



MICROTECH
only innovative
MEASURER



Integration
WIRELESS
to the meter

2010



A new
complex was built
MICROTECH

2008



Founded

production sites

2004



Founded

metrological
laboratory

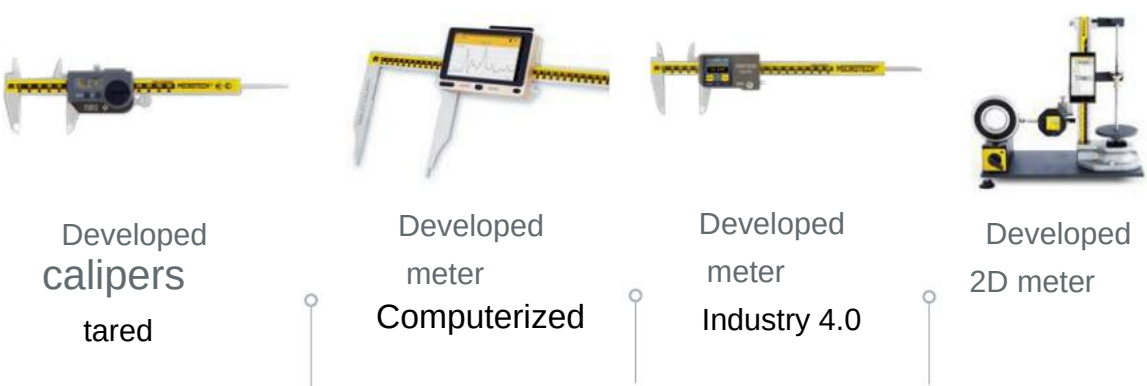
2003



Founded

MICROTECH

1995



Developed
calipers
tared

Developed
meter
Computerized

Developed
meter
Industry 4.0

Developed
2D meter

Who is MICROTECH

- Development and production of tools since 1995 •
- Production process accredited according to **ISO 9001: 2015** •
- Accredited calibration laboratory according to **ISO 17025: 2019** • Own research and IT departments • More than 87 own patents US, UA • Export to **51** countries • Distribution of leading global brands in Ukraine



Vernier calipers are precision

Large range calipers

Barbells and altimeters

Micrometers and staples

Indicators and radius meters

Indicators are indicator and micrometric

Thickness gauges and wall gauges

Protractors and levels

Stands, tripods, prisms

Angle and plane control

Measures of length and caliber

Calibration stands

Microscopes and shape control

Length gauges and measuring machines

Coordinate measuring machines

Hardness testers

Roughness measurement

Torque equipment

Cutting tool

Lathe chucks, yews and equipment

6

16

20

24

34

41

49

54

56

58

61

64

67

72

75

77

81

83

87

89



- Software for data transfer from the meter and MICROTECH stands on Windows PC,
- FREE versions available and
- The MICROTECH meter allows to transfer data to **50** meters
- Export measurement data to other software (Excell, Word, Free office, Solidworks, SAP, 1C, etc.)
- Basic statistical and graphical functions
- **Adaptation of the Software to the terms of the Customer**
- Development of MICROTECH

MDS Windows			MDS Android		MDS iOS	
FREE	STANDARD	PRO	FREE	PRO	FREE	PRO
299100530	299100550	299100570	299100040	299100050	299100060	299100070
Operating system Number			Windows 7.8.10.4		Android 6+	
of connections Transmission			to 50		32	
distance, m-USB dongle			1 to 50		to 50	
required Pedal connection Display			+		-	
values Function PP / NO			+		-	
Graphic mode Voice mode			+		+	
Timer Formula mode Save			+		+	
data in csv Save data in xls			+		+	
Save data in pdf Graph			-		+	
			+		+	
			-		-	
			+		-	
			+		+	
			+		+	
2D Graph			-		+	
Language Selection			12 languages		3 languages	

ACCESSORIES AND SOFTWARE FOR WINDOWS PC CONNECTION

Code	Type	Connecting	Price
tools 1-4 32 to 8			Euro
299100530	Software MDS FREE for Windows 299100550	Software MDS STANDARD	0
for Windows 299100570			99
Software MDS PRO for Windows 299100001			179
USB Dongle for Windows			39
299190004	USB extension cable for USB dongle 1 m		7.0
299190003	USB cable for connection to indicator 299100000		79.0
USB pedal for Windows			39.0

WIRELESS CONNECTION KITS

Code	Type	Connection Program Tools 4	USB dongle USB extension cord Price
			Euro
299110504	MDS STANDARD set MDS	MDS STANDARD 10	129
299110810	PRO set MDS PRO	MDS PRO	249
299110840	set	16+	333



CALIBRATION ACCORDING TO ISO 17025



PRODUCTION FOR ISO 9001: 2015

SET OF ANALOGUAL MEASURING INSTRUMENTS

Code	Type	Storage	Price
Euro			
100100030 NAV-3 analog	Vernier caliper SHT-I-150 Micrometer MK-25 class 2 LR-150 line	45	
100100050 NAV-5 analog	Vernier caliper SHT-I-150 Micrometer MK-25 class 2 IR-10 indicator class 1 Rack magnetic ShM-IIN2 LR-150 line	93	
100100060 NAV-6 analog	Vernier caliper SHT-I-150 Micrometer MK-25 class 2 IR-10 indicator class 1 Rack magnetic ShM-IIN2 LR-300 line Protractor type 3-5	169	

SET OF DIGITAL MEASURING INSTRUMENTS

Code	Type	Storage	Price
Euro			
100300030 NCV-3 digital	Vernier caliper SHTs-I-150 IP54 Micrometer MCC-25 class 2 IP54 LR-150 line	115	
100300050 NCV-5 digital	Vernier caliper SHTs-I-150 IP54 Micrometer MCC-25 class 2 IP54 ICC-10 indicator Rack magnetic ShM-IIN2 LR-300 line	259	
100300060 NCV-7 digital	Vernier caliper SHTs-I-150 IP54 Micrometer MKC-25 k11 IP54 MIGC-13 indicator Rack 15-STM Rack magnetic ShM-IIN2 LR-300 line Protractor type 3-5	449	

SET OF DIGITAL MEASURING INSTRUMENTS

Code	Type	Storage	Price
Euro			
100400020 NSV-2 digital IP67	Sylvac S_Cal_EVO 150mm IP67 caliper S_Mike 0-30mm IP67	499	
100400040 yyy-4 digital IP67	Caliper Sylvac S_Cal_EVO 150mm IP67 Micrometer S_Mike 0-30mm IP67 Indicator 0-12.5x0.001mm IP67 Rack steel Kaefer P7	1250	

SET OF INDUSTRY 4.0 MEASURING INSTRUMENTS

Code	Type	Storage	Communication	Price
Wireless Euro				
100500030 NKV-3	Vernier caliper computer SHTSK-150 Micrometer computer submicron 0-25 mm Set of wireless connection and MDS 5.0 PRO software	up to 30m	545	
100500050 NKV-5	Vernier caliper computer SHTSK-150 Micrometer computer submicron 0-25 mm Indicator submicron 0-13mm class.000 Granite rack Set of wireless connection and software MDS 5.0 PRO	up to 30m	930	

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995

www.microtech-ua.com

VERSUS type 1

AUTOMATED COMPUTER VERSUS

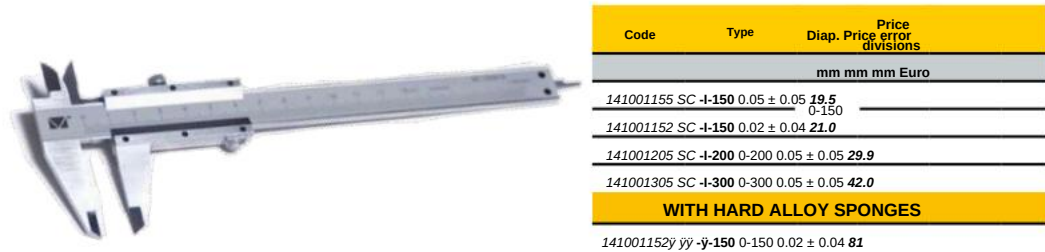


Code	Type	Diap.	Diskr.	Error	Efforts	Protection	N	Communication	Price
		mm	mm	mm					Euro
141077015A	yyyy-y-150	0-150	0.005	± 0.010	0.001	1-20		WIRELESS + USB	249
141097015A	yyyy-y-150	0-150	± 0.005	0.005	0.010	1-20		WIRELESS + USB	399
141077020A	yyyy-y-200	0-200	0.001	± 0.007	0.005	1-20		WIRELESS + USB	284
141097020A	yyyy-y-200	0-200	1-20	0.001	± 0.020	1-20	IP54	WIRELESS + USB	459
141077030A	SHTCA-300	0-300	WITH CARBIDE SPONGES					WIRELESS + USB	319
141097030A	yyyy-y-300	0-300						WIRELESS + USB	489
141077015AC	SCA-150T	0-150	0.005	± 0.010	1-20			WIRELESS + USB	375
141077020AC	SCA-200T	0-200	0.005	± 0.010	1-20		IP544	WIRELESS + USB	463
141077030AC	SCA-300T	0-300	0.005	± 0.015	1-20			WIRELESS + USB	567



- STP MK 15.06.001-01-MTU
- Computerized display system (Memory, Statistics, measurement error compensation Limits (PR / NO), Max / Min, formula)
- Choice of measuring force 1-20N
- Auto-save measurement results when the specified effort is reached
- Wireless data transmission
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

ANGLE ANGLE SHANGS

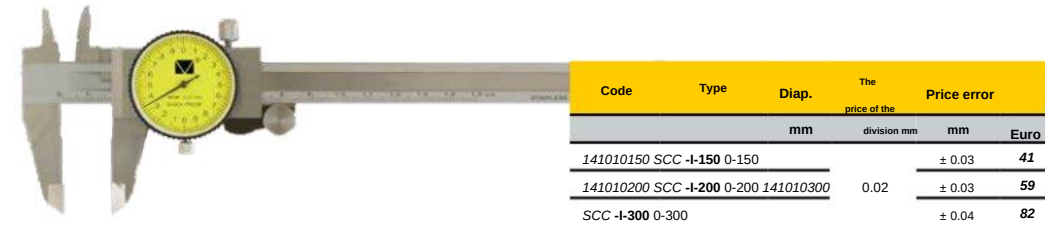


Code	Type	Diap.	Price error divisions	Price
mm mm mm Euro				
141001155	SC -I-150	0.05 ± 0.05	19.5	0.15
141001152	SC -I-150	0.02 ± 0.04	21.0	
141001205	SC -I-200	0.05 ± 0.05	29.9	
141001305	SC -I-300	0.05 ± 0.05	42.0	
WITH HARD ALLOY SPONGES				
141001152y	yy -y-150	0.02 ± 0.04	81	



- TU U 33.2-30291682-001-2004
- State Register of Ukraine yU1987-95
- 100 best goods of Ukraine in 2006
- Type 1 (external, internal, depth)
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

CRANKSHAFT WITH CIRCULAR SCALE SCC-I



Code	Type	Diap.	The price of the division	Price error
		mm	mm	Euro
141010150	SCC -I-150	0-150		± 0.03 41
141010200	SCC -I-200	0-200	0.02	± 0.03 59
SCC -I-300	0-300			± 0.04 82



- TU U 33.2-30291682-001-2004
- State Register of Ukraine yU1987-95
- Bar material - stainless steel
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

DIGITAL CRANKSHAFT DIGITAL DIN SHTSC-I

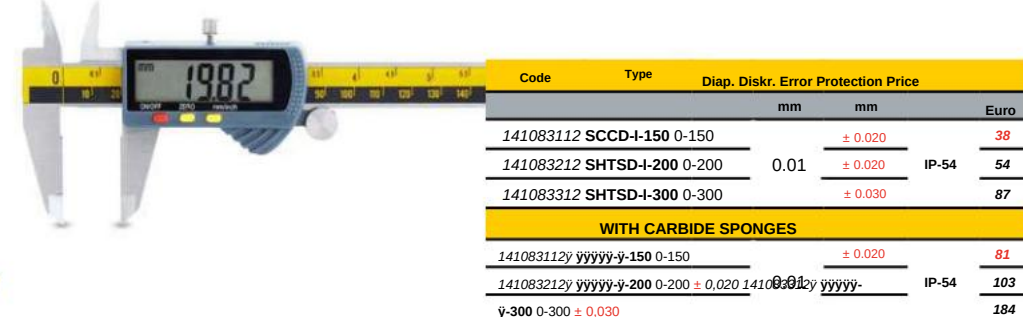


Code	Type	Diap.	Diskr.	Error	Protection	Price
		mm	mm	mm		Euro
141080113	SCC-I-150	0-150	0.01	± 0.03	IP-40	33



- DIN862 standard
- State Register of Ukraine yU1987-95
- Height of digits - 8 mm
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

DIGITAL CRANKSHAFT WITH LARGE DISPLAY SHTs-I IP54



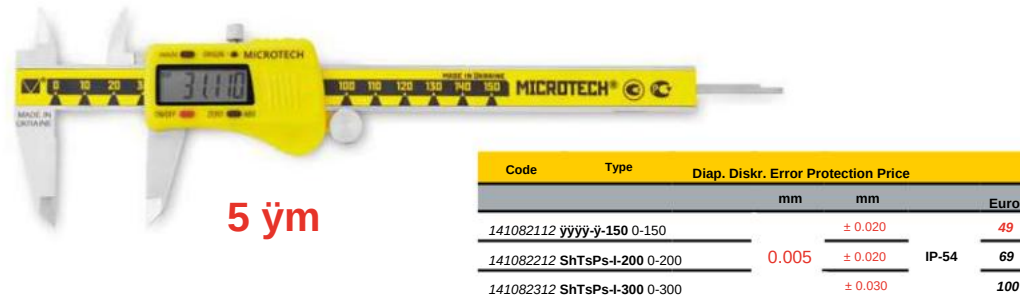
Code	Type	Diap.	Diskr.	Error	Protection	Price
		mm	mm	mm		Euro
141083112	SCCD-I-150	0-150		± 0.020		38
141083212	SHTSD-I-200	0-200	0.01	± 0.020	IP-54	54
141083312	SHTSD-I-300	0-300		± 0.030		87
WITH CARBIDE SPONGES						
141083112y	yyyy-y-150	0-150		± 0.020		81
141083212y	yyyy-y-200	0-200	± 0.020	0.020	IP-54	103
141083312y	yyyy-y-300	0-300	± 0.030			184



- STP MK 15.06.001-01-MTU
- State Register of Ukraine yU1987-95
- Large display. Height of figures 12.5 mm
- Manual finishing of surfaces Ra <0,36
- Modification with carbide sponges
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

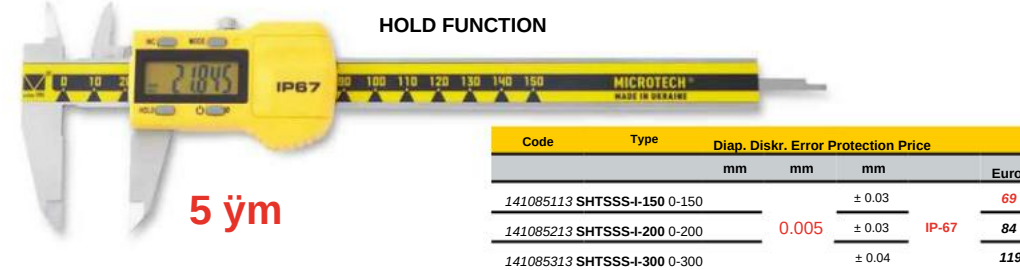
VERSUS type 1

NARROW CIRCULAR DIGITAL PRECISION SHTSC-I IP54



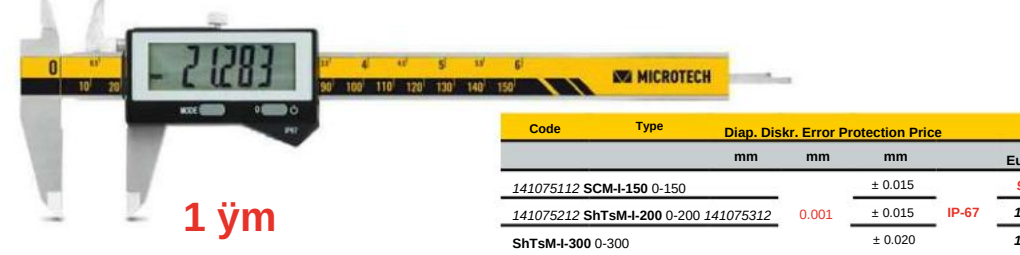
Code	Type	Diap.	Diskr.	Error	Protection	Price
		mm	mm	mm		Euro
141082112	yyyy-y-150	0-150		± 0.020		49
141082212	ShTsPs-I-200	0-200	0.005	± 0.020	IP-54	69
141082312	ShTsPs-I-300	0-300		± 0.030		100

DIGITAL CRANKSHAFT DIGITAL DIN SHTSC-I IP67



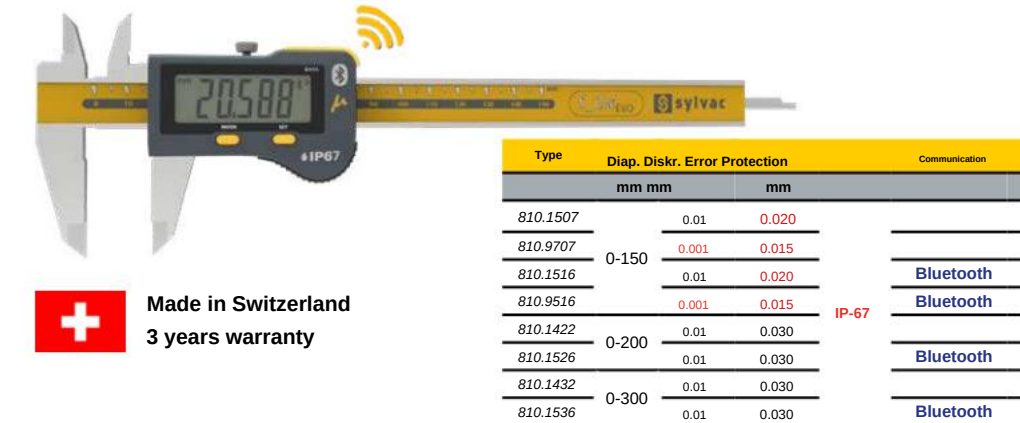
Code	Type	Diap.	Diskr.	Error	Protection	Price
		mm	mm	mm		Euro
141085113	SHTSSS-I-150	0-150		± 0.03		69
141085213	SHTSSS-I-200	0-200	0.005	± 0.03	IP-67	84
141085313	SHTSSS-I-300	0-300		± 0.04		119

CIRCULAR DIGITAL DIGITAL MICRON SHTs -I IP67



Code	Type	Diap. Diskr. Error Protection Price			
		mm	mm	mm	Eu
141075112	SCM-I-150	0-150		± 0.015	98
141075212	ShTsM-I-200	0-200	141075312	0.001 ± 0.015	IP-67 125
ShTsM-I-300	0-300			± 0.020	167

CRANKSHAFT S_Cal EVO PRECISION IP67



Type	Diap.	Diskr.	Error	Protection	Communication	Price
	mm	mm	mm			Euro
810.1507		0.01	0.020			119
810.9707	0-150	0.001	0.015			299
810.1516		0.01	0.020		Bluetooth	249
810.9516		0.001	0.015		Bluetooth	349
810.1422	0-200	0.01	0.030			224
810.1526		0.01	0.030		Bluetooth	359
810.1432	0-300	0.01	0.030			286
810.1536		0.01	0.030		Bluetooth	449

DIGITAL CRANKSHAFT NUMBER SHTs-I IP67



Code	Type	Diap.	Diskr.	Error	Protection	Communication	Price
		mm	mm	mm			Euro
141072122	SCC-150-IP67	0-150		± 0.020			105
141072192	SCC-150W-IP67			± 0.020		WIRELESS	177
141072222	SCC-200-IP67	0-200		± 0.020			133
141072292	SCC-200W-IP67			± 0.020		WIRELESS	205
141072322	SCC-300-IP67	0-300		± 0.030			175
141072392	SCC-300W-IP67			± 0.030		WIRELESS	262



- STP MK 15.06.001-01-MTU
- State Register of Ukraine yU1987-95
- Discreteness of the digital block 5 microns
- Height of digits 9 mm
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 15.06.001-01-MTU
- State Register of Ukraine yU1987-95
- Discreteness of the digital block 5 microns
- Dust and moisture protection IP67
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 15.06.001-01-MTU
- State Register of Ukraine yU1987-95
- Discreteness of the digital block 1 micron
- Dust and moisture protection IP67
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

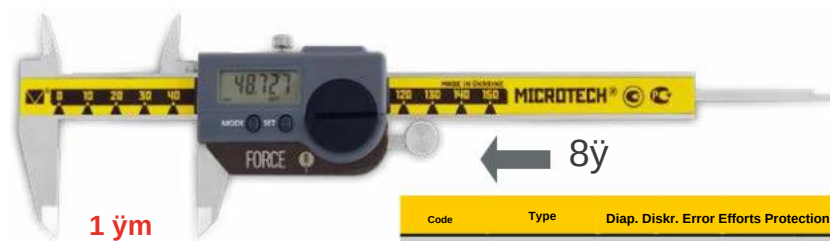


- Sylvac standard
- High quality electronics
- Large display. Height of figures 12.5 mm
- Dust and moisture protection IP67
- Wireless transmission up to 10 meters
- Sylvac software
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- STP MK 15.06.001-01-MTU
- State Register of Ukraine yU1987-95
- Swiss electronics IP67
- Wireless transmission up to 30 meters
- FREE MICROTECH software
- Manual surface finishing Ra <0.36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICRON VEHICLE CRANKS IP-67



Code	Type	Diap.	Diskr.	Error	Efforts	Protection	Price
		mm	mm	mm	mm	H	Euro
141099192	ShTsPM-150	0-150	0.001	141099293	± 0.005	8	259
	ShTsPM-199	0-199	0.001		± 0.007	8	299

MICROTECH



- STP MK 15.06.001-01-MTU
- 6 times better than DIN862
- Discreteness **of 1 micron**
- **Swiss electronics**
- Dust and moisture protection **IP67**
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

PRECISION VEHICLE CRANKS IP-54



Code	Type	Range.	Diskr.	Error	Efforts	Protection	Price
		mm	mm	mm	mm	H	Euro
141088152	yyyyy-150	0-150	0.005	± 0.010 ±	8		99
141088252	yyyyy-200	0-200	0.005	0.010 ±	8	IP-54	129
141088352	yyyyy-300	0-300	0.005	0.015	8		159

Patent UA y100613
Pat. US y10429165

MICROTECH



- STP MK 15.06.001-01-MTU
- Better than DIN862
- External force control module 8H
- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

PRECISIONARY DOUBLE CHANGES VAN-IP-67



Code	Type	Diap.	Diskr.	Error	Effort	Protection	Communication	Price
		mm	mm	mm	mm	N		Euro
141077122	yyyyy-150	0-150	0.01 ± 0.010	0.01	8 + 8			149
141077192	yyyyyB-150	0-150	± 0.010	0.01	8 + 8		WIRELESS	222
141077222	yyyyy-200	0-200	0.01 ± 0.010	0.020	8 + 8	IP-67		179
141077292	yyyyy-200	0-200	0.01 ± 0.020	WITH	8 + 8		WIRELESS	252
141077322	yyyyy-300	0-300			8 + 8			219
141077392	yyyyy-300	0-300			8 + 8		WIRELESS	295
141077122C	SCPP-150T	0.01 ± 0.010	8 + 8					222
141077192C	SCPB-150T	0.01 ± 0.010	8 + 8				WIRELESS	295
141077222C	SCPP-200T	0.01 ± 0.010	8 + 8			IP-67		252
141077292C	SCPB-200T	0.01 ± 0.010		8 + 8			WIRELESS	325
141077322C	SCPP-300T	0.01 ± 0.020		8 + 8				295
141077392C	SCPB-300T	0.01 ± 0.020		8 + 8			WIRELESS	367

CRANKSHAFT CONNECTED FOR SOFT MATERIALS



Code	Type	Range. Discrete. Error Efforts Protection Price						
		mm	mm	mm	H	Euro		
141077153	SHTsMM-150	0-150	141077253	0.01	± 0.030 ±	0.8	193	
	SHTsMM-200	0-200	141077353	SHTsMM-300	0.01	0.030 ±	0.8	222
		0-300		0.01	0.040	0.8	262	

MICROTECH



- STP MK 15.06.001-01-MTU
- Patented lubrication system for soft running
- **Swiss electronics**
- Calibrated force 0.8N for measuring soft materials
- Dust and moisture protection **IP67**

- Manual finishing of surfaces Ra <0,36
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

STANGENTZIRKULIANOLOGOVY SHTs-II



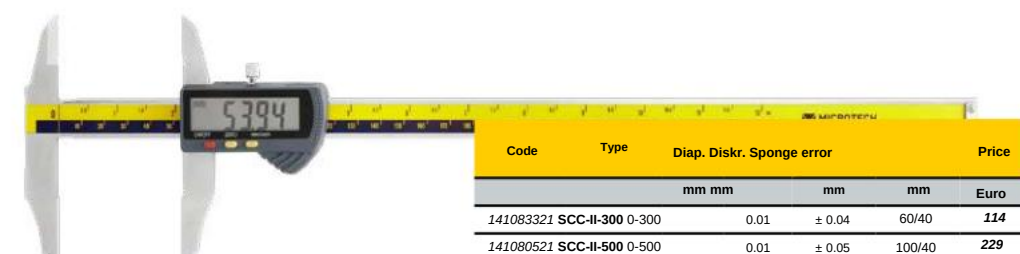
Code	Type	Diap.	The	Sponge error	Price
			price of the division		
		mm	mm mm	mm	Euro
141002205 ShTs	II-200	0-200	0.05 ± 0.05	141002505 250TS 65/40	43
141002302 ShTs	II-300	0-300	0.02 ± 0.04	141002505 300TS 60/40	54
141002502 ShTs	II-500	0-500	0.02 ± 0.04	141002505 500TS 60/40	59
SPONGES				100/40	144
				100/55	205
141005255 ShTs	II-250TS	0-250	0.05 ± 0.05	141005255 250TS 60/40 TS	139
					165

MICROTECH



- TU U 33.2-30291682-001-2004
- State Register of Ukraine yU1987-95
- Bar material - **stainless steel**
- Modification with carbide sponges
- Manual finishing of surfaces Ra <0,36
- Type 2 (external and internal measurements)
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

DIGITAL CRANKSHAFT SCR-II



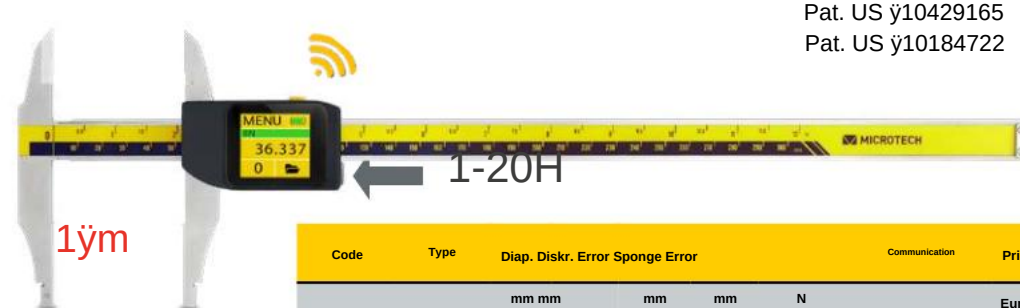
Code	Type	Diap. Diskr. Sponge error			Price	
		mm mm	mm	mm	Euro	
141083321	SCC-II-300	0-300	0.01	± 0.04	60/40	114
141080521	SCC-II-500	0-500	0.01	± 0.05	100/40	229

MICROTECH



- TU U 33.2-30291682-001-2004
- State Register of Ukraine yU1987-95
- Digital electronic module with large display (digit height 12.5 mm)
- Type 2 (external and internal measurements)
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

COMPUTER VERSICULAR SHTSK-II



Pat. US y10429165
Pat. US y10184722

Code	Type	Diap.	Diskr.	Error	Sponge Error	Communication	Price
		mm	mm	mm	mm	N	Euro
141077321A	SCCC-II-300	0-300	0.005 ± 0.025		60/40	1-20 WIRELESS + USB	379
141097321A	yyyy-yy-300		0.001 ± 0.015			1-20 WIRELESS + USB	536
141077521A	SCCC-II-500	0-500	0.005 ± 0.030		100/40	1-20 WIRELESS + USB	494
141097521A	yyyy-yy-500		0.001 ± 0.020			1-20 WIRELESS + USB	649

MICROTECH



- TU U 33.2-30291682-001-2004
- Computerized **MICS** display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Choice of measuring force 1-20N
- Auto-save measurement results when the specified effort is reached
- Wireless data transmission •
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

CRANKSHAFT_Cal EVO FORM B IP-67



Type	Diap. Diskr. Error Sponge Protection Communication					Price
	mm	mm	mm	mm		Euro
810.1358 0-300		0.01	0.030	100/31	IP-67	Bluetooth 655
810.1558 0-500		0.01	0.030			Bluetooth 789

sylvac

- Sylvac standard
- Large display. Height of figures 12.5 mm
- Dust and moisture protection **IP67**
- 100% metrological control
- **Calibration ISO 17025: 2017**
- **3-year warranty**
- Production SYLVAC (Switzerland)

MICROTECH



- Standard STP MK19.06.001-MTU
- Application of carbide for marking to the caliper SHC-II
- Are established on a caliper type 2
- Production of MICROTECH (Ukraine)

CARBIDE TIPS for calipers type 2



Code	Type	Fastening material Price		
				Euro
141002001	PTRSH-1	mm TV. alloy	+	35

CRANKSHAFT ANALOGUE SHTs-III



- TU U 33.2-30291682-001-2004
- State Register of Ukraine ÝU1987-95
- 100 best goods of Ukraine in 2006
- Made of stainless steel
- Special configuration and length of jaws on order
- Type 3 (external and internal measurements)
- Manual finishing of surfaces for softness of the course and roughness of sponges Ra <0,36
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

Code	Type	Range	The price of the division		Sponges	Price error
			mm	mm		
141003051 yy -yyy-500				0.02 100 ± 0.08	87	steel
141003052 SC -III-500	0.02 150 ± 0.08	500				steel
141003055 SC -III-500	0.02 300 ± 0.10	288				steel
141003064 SC -III-630	0.02 100 ± 0.08	630				steel
141003101 yy -yyy-1000				0.02 125 ± 0.10	252	steel
141003102 SC -III-1000	0.02 150 ± 0.10	985				steel
141003105 SC -III-1000	0.02 300 ± 0.20	650				steel
141003153 SC -III-1500	0.02 200 ± 0.18	690				steel
141003155 SC -III-1500	0.02 300 ± 0.18	1070				steel
141003203 SC -III-2000	0.02 200 ± 0.18	900				steel
141003205 SC -III-2000	0.02 300 ± 0.18	1350				steel
141003255 SC -III-2500	0.02 300 ± 0.25	950				steel
141003305 SC -III-3000	0.02 300 ± 0.30	990				steel
141003405 SC -III-4000	0.02 300 ± 0.30	850				steel
141003505 SC -III-5000	0.02 300 ± 0.30	790				steel
Vernier caliper SHC-III with sponges made of hard alloy						
141003051 yy -yyy-500	0-500	0.02 ± 0.08	100	0.02 ± 0.08	87	165
141003052 SC -III-500	0-500	0.02 ± 0.08	150	0.02 ± 0.08	87	195
141003055 SC -III-500	0-500	0.02 ± 0.10	288	0.02 ± 0.10	87	471

NUMERICAL CRANKSHAFT NUMBER SHTs-III



- Standard STP MK15.06.001-1-MTU
- State Register of Ukraine ÝU1987-95
- 100 best goods of Ukraine in 2006
- Special configuration and length of sponges to order
- Type 3 (external and internal measurements)
- Manual finishing of surfaces for softness of the course and roughness of sponges Ra <0,36
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

Code	Type	Diap. Diskr. Error		Sponges Price				
		mm	mm	mm	mm material Euro			
141105111	SHTs-500/100		0.01 100	± 0.050	steel			
141105121	SCC-500/150	0.01 150	198	± 0.050	steel			
141105151	SCC-500/300	0.01 300	483	± 0.050	steel			
141106111	SCC-600/100	0.01 100	226	± 0.050	steel			
141110121	SCC-1000/150	0.01 150	540	± 0.080	steel			
141110151	SCC-1000/300	0.01 300	1267	± 0.080	steel			
141115121	SCC-1500/150	0.01 150	1022	± 0.080	steel			
141115151	SCC-1500/300	0.01 300	1906	± 0.080	steel			
141120121	SCC-2000/150	0.01 150	1729	± 0.100	steel			
141120151	SCC-2000/300	0.01 300	2614	± 0.100	steel			
141125151	SCC-2500/300	0-2500 0.01 300	3543	± 0.100	steel			
141130151	SCC-3000/300	0-3000 0.01 300	4990	± 0.150	steel			
141140151	SCC-4000/300	0-4000 0.01 300	9100	± 0.150	steel			
Digital caliper ShTs-III with sponges from a hard alloy								
141105111	yyy-500/100	0-500 0.01 100	141105121	yyy-500/150	0-500 0.01 150	tv / alloy	292	
141105151	yyy-500/300	0-500 0.01 300	141110151	yyy-1000/150	0-1000 0.01 150	tv / alloy	380	
0-1500 0.01 150	141115151	yyy-1500/300	0-1500 0.01 300	141120151	yyy-2000/150	0-2000 0.01 150	tv / alloy	565
						± 0.080	tv / alloy	926
						± 0.080	tv / alloy	1150
						± 0.080	tv / alloy	1400
						± 0.080	tv / alloy	1990
						± 0.100	tv / alloy	2290
						± 0.100	tv / alloy	2790

NUMBER CRANKSHAFT DIGITAL EXTENSIONS SHTs-III



- Sylvac standard
- Ultra-light aluminum rod
- Sliding both measuring jaws
- Dust and moisture protection IP67
- Wireless data transmission up to 10 meters
- 100% metrological control
- **Calibration ISO 17025: 2017**
- **3-year warranty**
- Production SYLVAC (Switzerland)



Type	Diap. Diskr. Error		Sponge Effort Protection		Weight	Price
	mm	mm	mm	mm		
811.1404	0-400	0.01	0.030	202	H	IP-67 1.5 1480
811.1406	0-600	0.01	0.040	202	5-10	IP-67 1.6 1660
811.1410	0-1000	0.01	0.050	202	5-10	IP-67 1.9 1980
811.1415	0-1500	0.01	0.090	202	5-10	IP-67 2.3 2850
811.1420	0-2000	0.01	0.120	202	5-10	IP-67 2.6 3880
811.1425	0-2500	0.01	0.150	202	5-10	IP-67 2.9 4940
811.1430	0-3000	0.01	0.200	202	5-10 5-10	IP-67 3.3 5490

COMPUTER VANCES SHTSK-III



Pat. US ý10429165
Pat. US ý10184722

Code	Type	Diap. Diskr.	Sponges Error		The efforts of N	Communication	Price Euro
			mm	mm			
141005216	SCCC-500/100		0.01	100	± 0.030	1-20	WIRELESS + USB 455
141005217	SHTSKM-500/100		0.001	100	± 0.020	1-20	WIRELESS + USB 713
141005226	SHTSK-500/150	0-500	0.01	150	± 0.030	1-20	WIRELESS + USB 552
141005227	SHTSKM-500/150		0.001	150	± 0.025	1-20	WIRELESS + USB 807
141005256	141005256 SHTSK-500/300		0.01	300	± 0.030	1-20	WIRELESS + USB 769
SHTSKM-500/300	141010216		0.001	300	± 0.030	1-20	WIRELESS + USB 1024
SHTSK-1000/150			0.01	150	± 0.040	1-20	WIRELESS + USB 826
141010217	yyyyy-1000/150		0.001	150	± 0.040	1-20	WIRELESS + USB 1403
141010256	141010256 yyy-1000/300	0-1000	0.01	300	± 0.050	1-20	WIRELESS + USB 1553
141015216	yyyy-1500/150	141015256	0.001	300	± 0.040	1-20	WIRELESS + USB 1796
yyyy-1500/300	yyyy-1500/300		0.01	150	± 0.060	1-20	WIRELESS + USB 1308
yyyy-2500/300	0-2500 y 3000/300	0-1500	0.01	300	± 0.060	1-20	WIRELESS + USB 2192
141020216	SCCC-4000/300	0-2000	0.01	150	± 0.060	1-20	WIRELESS + USB 2043
141020256	0-4000		0.01	300	± 0.070	1-20	WIRELESS + USB 3045
141025256			0.01	300	± 0.090	1-20	WIRELESS + USB 3971
141030256			0.01	300	± 0.120	1-20	WIRELESS + USB 4742
141040256			0.01	300	± 0.130	1-20	WIRELESS + USB 9600

MICRON VERSEILS FOR A LONG TIME



DOUBLE RAILS
Patent UA ý117732



- Standard STP MK15.06.001-1-MTU
- Rail guides with carriages
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transfer and **FREE** software
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

Pat. US ý10429165
Pat. US ý10184722

Code	Type	Diskr.	Sponges		Error	Weight	Communication	Price Euro
			mm	mm				
142305243	0-500	0.001	200		± 0.020	2.7	WIRELESS + USB	1345
142305443	0-450	0.001	400		± 0.030	3.3	WIRELESS + USB	1426
142311243	0-1100	0.001	200		± 0.030	3.5	WIRELESS + USB	1790
142311443	0-1050	0.001	400		± 0.040	3.9	WIRELESS + USB	1890
142315243	0-1500	0.001	200		± 0.040	5.2	WIRELESS + USB	2849
142315443	0-1500	0.001	400		± 0.050	5.6	WIRELESS + USB	3071
142115152	0-1500	0.001	500		± 0.065	19	WIRELESS + USB	3772
142115182	0-1500	0.001	800		± 0.085	20	WIRELESS + USB	3857
142120132	0-2000	0.001	300		± 0.060	10.5	WIRELESS + USB	3621
142120152	0-2000	0.001	500		± 0.085	23	WIRELESS + USB	4478
142120102	0-2000	0.001	1000		± 0.120	26	WIRELESS + USB	4868
142125132	0-2500	0.001	300		± 0.090	13.3	WIRELESS + USB	3957
142125152	0-2500	0.001	500		± 0.105	26	WIRELESS + USB	5057
142125102	0-2500	0.001	1000		± 0.140	29	WIRELESS + USB	5542
142130132	0-3000	0.001	300		± 0.100	15.4	WIRELESS + USB	4285
142130152	0-3000	0.001	500		± 0.110	28	WIRELESS + USB	5991
142130102	0-3000	0.001	1000		± 0.160	32	WIRELESS + USB	6381
142135132	0-3500	0.001	300		± 0.120	17.4	WIRELESS + USB	5407
142135152	0-3500	0.001	500		± 0.160	33	WIRELESS + USB	6357
142135102	0-3500	0.001	1000		± 0.240	37	WIRELESS + USB	7125

UNIVERSAL VERSUS

UNIVERSAL DIGITAL CRANKSHAFT IP54



Code	Type	Diap. Diskr. Error Protection Price				Euro
		mm	mm	mm		
141630155	SHTSU-150	0-150	0.005	± 0.03	IP54	420
141630205	SHTSU-200	0-200	0.005	± 0.03		463
141630305	SHTSU-300	0-300	0.005	± 0.04		520

UNIVERSAL DIGITAL CRANKSHAFT IP67



Code	Type	Diap. Diskr. Communication Protection Error				Price
		mm	mm	mm		
141630153	yyyyy-150	0-150	0.01	± 0.03	IP-67	513
141630154	yyyyy-150	0-150	0.01	± 0.03		WIRELESS 599
141630203	yyyyy-200	0-200	0.01	± 0.03		556
141630204	yyyyy-200	0-200	0.01	± 0.03	IP-67	WIRELESS 642
141630303	yyyyy-300	0-300	0.01	± 0.03		613
141630303	yyyyy-300	0-300	0.01	± 0.03		WIRELESS 699

UNIVERSAL COMPENSATOR CRANKSHAFT IP67



Code	Type	Diap. Diskr. Error Protection Effort			Communication	Price
		mm	mm	mm		
141630157	yyyyyy-150	0-150	0.005	± 0.020	IP54	WIRELESS + USB 635
141630158	yyyyyy-150	0-150	0.001	± 0.015		WIRELESS + USB 805
141630207	yyyyyy-200	0-200	0.005	± 0.020		WIRELESS + USB 677
141630208	yyyyyy-200	0-200	0.001	± 0.025	1-20	WIRELESS + USB 849
141630307	yyyyyy-300	0-300	0.005	± 0.020		WIRELESS + USB 735
141630308	yyyyyy-300	0-300	0.001	± 0.025		WIRELESS + USB 920

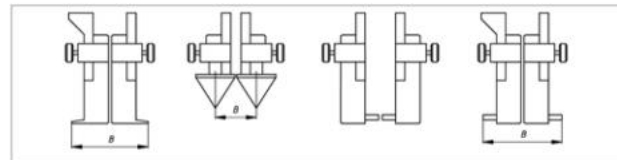
Pat. US ý10429165
Pat. US ý10184722



- Standard STP MK15.06.001-1-MTU
- 100% metrological control
- 3 pairs of interchangeable tips allow external, internal and inter-center measurements
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- 100% metrological control
- Dust and moisture protection IP67
- Swiss electronics
- Wireless data transmission up to 30 meters
- 3 pairs of interchangeable tips allow external, internal and inter-center measurements
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

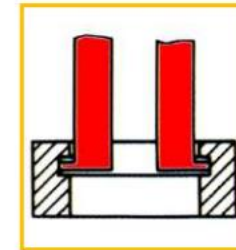


- Standard STP MK15.06.001-1-MTU
- 100% metrological control
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transmission
- 3 pairs of interchangeable tips allow external, internal and inter-center measurements

- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

INTERNAL VERSUS

NUMERICAL CRANKSHAFT FOR INTERNAL MEASUREMENTS



- Standard STP MK15.06.001-1-MTU
- Sponges for internal measurements
- Depth of sponges up to 300 mm
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

Code	Type	Diap.	Diskr.	Sponge error	Price
		mm	mm	mm	mm Euro
1413301500	ShTsV-150	22-172	1413302000	0.005	± 0.03 25 127
ShTsV-200		20-220	1413303000	ShTsV-300	0.005 ± 0.03 25 153
30-330	1413305151	ShTsV-500	75-500	0.005	± 0.04 43 198
1413310151	ShTsV-1000	85-1000		0.01 ± 0.06	300 767
				0.01 ± 0.08	300 1432

NUMBER VERSICULAR CIRCUITS FOR INTERNAL MEASUREMENTS



Code	Type	Diap. Diskr. Communication Protection Error			Price
		mm	mm	mm	
141330153	SHTSVP-150	20-170	0.01	± 0.03	223
141330154	SHTSVB-150	20-170	0.01	± 0.03	WIRELESS 308
141330203	SHTSVV-200	20-220	0.01	± 0.03	247
141330204	SHTSVB-200	20-220	0.01	± 0.03	WIRELESS 318
141330303	SHTSVP-300	30-300	0.01	± 0.03	288
141330304	SHTSVB-300	30-300	0.01	± 0.03	WIRELESS 373



- Standard STP MK15.06.001-1-MTU
- Sponges for internal measurements
- Dust and moisture protection IP67
- Swiss electronics
- Wireless data transmission up to 30 meters
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

COMPUTER VEHICLES FOR INTERNAL MEASUREMENTS



Pat. US ý10429165
Pat. US ý10184722



Code	Type	Diap. Diskr. Error Sponge Error				Communication	Price	
		mm	mm	mm	mm			N
141330157	SHTSVK-150	20-170	0.005	± 0.020	25	1-20	WIRELESS + USB 322	
141330158	SHTSVKM-150		0.001	± 0.015	25		WIRELESS + USB 515	
141330207	SHTSVK-200	20-220	0.005	± 0.020	25		WIRELESS + USB 354	
141330208	SHTSVKM-200		0.001	± 0.025	25		WIRELESS + USB 539	
141330307	SHTSVKM-300	30-300	0.005	± 0.020	43		WIRELESS + USB 395	
141330308	SHTSVKM-300		0.001	± 0.025	43		WIRELESS + USB 570	
141330506	SHTSVKM-500	751300	141331006	0.01	± 0.040		300	WIRELESS + USB 980
SHTSVKM- 500			0.01	± 0.060	300		WIRELESS + USB 1655	



- Standard STP MK15.06.001-1-MTU
- Sponges for internal measurements
- Stainless Steel
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

CRANKSHAFT FOR INTERNAL MEASUREMENTS



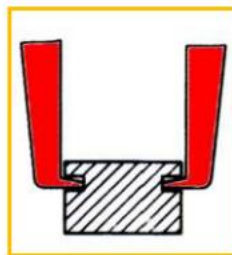
Code	Type	Diap. Diskr. Sponge error Price				Euro
		mm	mm	mm		
1413301506	ýýý-150	10-150	0.05	± 0.05	25	82
1413302006	ýýý-200	20-200	0.05	± 0.05	25	95

EXTERNAL VERSUS

NUMERICAL CRANKSHAFT FOR EXTERNAL MEASUREMENTS



- Standard STP MK15.06.001-1-MTU
- Sponges for internal measurements
- Depth of sponges up to 300 mm
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



Code	Type	Diap.	Diskr.	Error	Sponges	Price
		mm	mm	mm	mm	Euro
1414301500	SHTSN-150 0-150	1414302000	0.005	± 0.03	25	127
SHTSN-200 0-200	1414303000	SHTSN-300	0.005	± 0.03	25	153
0-300	1414305151	SHTSN-500 0-500	0.005	± 0.04	43	198
1414310121	SHTSN-1000 0-1000		0.01	± 0.06	300	767
			0.01	± 0.08	300	1432

NUMERICAL CRANKSHAFT FOR EXTERNAL MEASUREMENTS



- Standard STP MK15.06.001-1-MTU
- Sponges for external measurements
- Dust and moisture protection IP67

• Swiss electronics

- Wireless data transmission up to 30 meters

- 100% metrological control

• **Calibration ISO 17025: 2017**

- Production of MICROTECH (Ukraine)

Code	Type	Diap.	Diskr.	Communication	Protection	Error	Price
		mm	mm		mm		Euro
141430153	SHTSNP-150	0-150	0.01	± 0.03	IP-67		222
141430154	SHTSNB-150		0.01	± 0.03	IP-67 WIRELESS		308
141430203	SHTSNP-200	0-200	0.01	± 0.03	IP-67		247
141430204	SHTSNB-200		0.01	± 0.03	IP-67 WIRELESS		318
141430303	SHTSNP-300	0-300	0.01	± 0.03	IP-67		287
141430304	SHTSNB-300		0.01	± 0.03	IP-67 WIRELESS		373

COMPUTER VEHICLES FOR EXTERNAL MEASUREMENTS



- Standard STP MK15.06.001-1-MTU
- Sponges for external measurements
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transmission •
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

Code	Type	Diap.	Diskr.	Error	Sponge	Error	Communication	Price
		mm	mm	mm	mm	N		Euro
141430157	SHTSNK-150	0-150	0.005	± 0.020	25		WIRELESS + USB	322
141430158	SHTSNKM-150		0.001	± 0.015	25		WIRELESS + USB	515
141430207	SHTSNK-200	0-200	0.005	± 0.020	25		WIRELESS + USB	354
141430208	SHTSNKM-200		0.001	± 0.025	25	1-20	WIRELESS + USB	539
141430307	SHTSNKM-300	0-300	0.005	± 0.020	43		WIRELESS + USB	394
141430308	SHTSNKM -300		0.001	± 0.025	43		WIRELESS + USB	570
141405156	SHTSNKM -500 0-500	141410KM	0.01	± 0.040	300		WIRELESS + USB	980
			0.01	± 0.060	300		WIRELESS + USB	1655

RANGE CRANKSHAFT



- Standard STP MK15.06.001-1-MTU
- Sponges for measuring grooves
- Stainless Steel
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

Code	Type	Diap.	Diskr.	Sponge	error	Price
		mm	mm	mm	mm	Euro
1413301504	SHK-160	10-160	0.05	± 0.05	25	64
1413302004	SHK-200	26-200	0.05	± 0.05	60	132
1413303004	SHK-300	35-300	0.05	± 0.05	100	194

INTERCENTRAL CRANKSHAFT

DIGITAL INTERCENTRAL CRANKSHAFT



Code	Type	Diap.	Diskr.	Price	error
		mm	mm	mm	Euro
1417301500	SHTsM-150 10-160	0.005	1417302000	± 0.05	173
SHTsM-200 10-210	0.005	1417303000	SHTsM-300	± 0.05	211
10-310	0.005	1417305000	SHTsM-500 20-500	0.01	263
				± 0.10	520

DIGITAL INTERCENTRAL CRANKSHAFT



Code	Type	Diap.	Diskr.	Communication	Protection	Error	Price
		mm	mm		mm		Euro
141730153	SHTsCMP-150	10-160	0.01	± 0.03	IP-67		281
141730154	SHTsCMB-150		0.01	± 0.03	IP-67 WIRELESS		380
141730203	SHTsCMP-200	10-210	0.01	± 0.03	IP-67		312
141730204	SHTsCMB-200		0.01	± 0.03	IP-67 WIRELESS		412
141730303	SHTsCMP-300	10-310	0.01	± 0.03	IP-67		487
141730304	SHTsCMB-300		0.01	± 0.03	IP-67 WIRELESS		587

INTERCENTER CENTRAL CRANKSHAFT



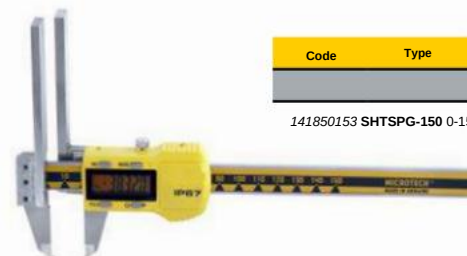
Code	Type	Diap.	Diskr.	Error	Communication	Price
		mm	mm	mm		Euro
141730157	yyyyyK-150 0-150	141730158	0.005	± 0.025	WIRELESS + USB	359
yyyyyy-150 0-150	141730207	yyyyyy-200	0.001	± 0.020	WIRELESS + USB	519
0-200	141730208	yyyyyy-200 0-200	0.005	± 0.030	WIRELESS + USB	398
141730307	yyyyyy-300 0-300	141730308	0.001	± 0.025	WIRELESS + USB	570
yyyyyy-300 0-300			0.005	± 0.040	WIRELESS + USB	450
			0.001	± 0.030	WIRELESS + USB	621

CRANKSHAFT WITH ANGLE INTERNAL SPONGES



Code	Type	Diap.	Diskr.	Error	Internal. sponges	Price
		mm	mm	mm	mm	Euro
141851122	SHTSKG-150 0-150		0.01	± 0.03	66 + 56	540

CRANKSHAFT WITH FLAT INTERNAL SPONGES



Code	Type	Diap.	Diskr.	Error	Internal. sponges	Protection	Price
		mm	mm	mm	mm		Euro
141850153	SHTSPG-150 0-150		0.005	± 0.03	60	IP-67	520



- Standard STP MK15.06.001-1-MTU
- For measuring center-to-center distances
- Discreteness of the digital block 5 microns
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- For measuring center-to-center distances
- Dust and moisture protection IP67
- Swiss electronics
- Wireless data transmission up to 30 meters
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- 100% metrological control
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- For measuring center-to-center distances
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- For deep measurements in hard-to-reach places with internal corner jaws (66 + 56 mm jaws)
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- For deep measurements with internal flat jaws (60mm jaws)
- Dust and moisture protection IP67
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

NUMBER CIRCUIT BODIES



Code	Type	Diap.	Diskr.	Price error
		mm	mm	mm Euro
1412301500	SHTsT-150	0-150	1412302000	0.005 ± 0.03 109
SHTsT-200	0-200	1412303000	SHTsT-300	0.005 ± 0.03 136
0-300				0.005 ± 0.04 182



- Sponges for measuring pipe walls
- Discreteness of the digital block **5 microns**
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



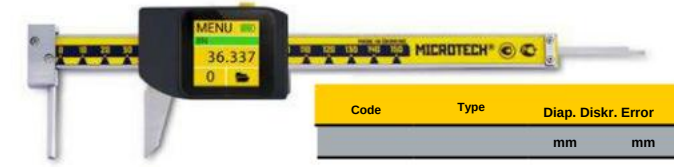
- Standard STP MK15.06.001-1-MTU
- Sponges for measuring pipe walls
- Dust and moisture protection **IP67**
- **Swiss electronics**
- Wireless data transmission up to **30** meters
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

DIGITAL NUTRITIONAL PIPES



Code	Type	Diap.	Diskr.	Communication	Protection Error	Price
		mm	mm		mm	Euro
141430153	SHTSNP-150	0-150	0.01	± 0.03	IP-67 206	
141430154	SHTSNB-150		0.01	± 0.03	IP-67 WIRELESS 292	
141430203	SHTSNP-200		0.01	± 0.03	IP-67 230	
141430204	SHTSNB-200	0-200	0.01	± 0.03	IP-67 WIRELESS 316	
141430303	SHTSNP-300		0.01	± 0.03	IP-67 272	
141430304	SHTSNB-300	0-300	0.01	± 0.03	IP-67 WIRELESS 387	

COMPUTER TUBES



Pat. US ý10429165
Pat. US ý10184722

Code	Type	Diap.	Diskr.	Error	Communication	Price
		mm	mm	mm		Euro
141230157	SHTsTK-150	0-150	141230158	0.005 ± 0.020	WIRELESS + USB 313	
SHTsTKM-150	0-150	141230207	0.001	± 0.015	WIRELESS + USB 485	
SHTsTK-200	0-200	141230208	0.005	± 0.020	WIRELESS + USB 338	
SHTsTKM-200	0-200	141230307	0.001	± 0.025	WIRELESS + USB 509	
SHTsTK-300	0-300	141230308	0.005	± 0.020	WIRELESS + USB 379	
SHTsTKM-300	0-300		0.001	± 0.025	WIRELESS + USB 551	



- Standard STP MK15.06.001-1-MTU
- 100% metrological control
- Computerized **MICS** display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

CRANKSHAFT WITH EXTENDED INTERNAL SPONGES



Code	Type	Diap.	Diskr.	Error	Inside.	Price
		mm	mm	mm	sponges mm Euro	
1419301500	SHTsCG-150	0-150	0.005	± 0.02	45	137

CRANKSHAFT WITH EXTENDED INTERNAL SPONGES



Code	Type	Diap.	Diskr.	Error	Inside.	Protection	Communication	Price
		mm	mm	mm	sponges	mm		Euro
141930153	ýýýýý-150	0-150	0.01	± 0.03	45	IP-67		250
141930154	ýýýýý-150		0.01	± 0.03	45	IP-67	WIRELESS 336	



- Standard STP MK15.06.001-1-MTU
- For deep measurements with internal jaws (45mm jaws)
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- For deep measurements with internal jaws (45mm jaws)
- **Swiss electronics**
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard STP MK15.06.001-1-MTU
- Computerized **MICS** display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- For deep measurements with internal jaws (45mm jaws)
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

CRANKSHAFT WITH EXTENDED INTERNAL SPONGES

Pat. US ý10429165
Pat. US ý10184722



Code	Type	Diap.	Diskr.	Sponge error	Inside.	Communication	Price
		mm	mm	mm	mm		Euro
141930157	ýýýýý-150	0-150	0.005	± 0.020	45	WIRELESS + USB 323	
141930158	ýýýýýý-150		0.001	± 0.015	45	WIRELESS + USB 509	

BAR MEETINGS



Code	Type	Diap.	Diskr.	Turkey.	Price
		module mm	1-26		Euro
142012600	SHZN-26	0.02		vernier	112
142022600	ýýýýý-25	1-25	145250000	0.01	315
ýýýýý-50	5-50			0.01 digital	450



- Standard STP MK19.06.001-MTU
- To measure the thickness of the tooth
- vernier or digital display
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

CATETOMETERS



Code	Type	Diap.	Diskr.	Error	Turkey.	Price
		mm	mm	mm		Euro
145102000	CT-20	0-20	0.1	± 0.1	vernier	43
145202000	KTC -20	0-20	0.01	± 0.03	digital	62



- Standard STP MK19.06.001-MTU
- To control the height of welds
- vernier or digital display
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

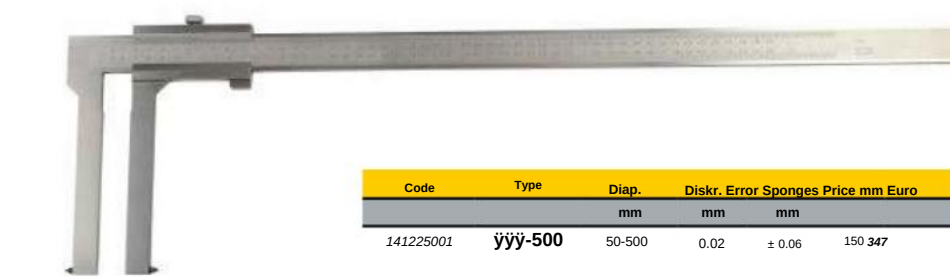
LAMP CRANKSHAFT TEMPLATES



Code	Type	Coefficient of affairs.	Tilt angle	Diap. measurement.	Diskr.	Error	Turkey.	Price
			city	straight. mm	incline mm	straight. mm	incline mm	city
142101000	ýýýý 3	142101050	19 ° 30 ' 19 ° 30 '	0-120	0-40	0.05	0.1	0.8
ýýýýý 3				0-120	0-40	0.005	0.05	0.5

- Standard STP MK19.06.001-MTU
- To control rubble and gravel
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

CRANKSHAFT FOR BRAKE DRUM



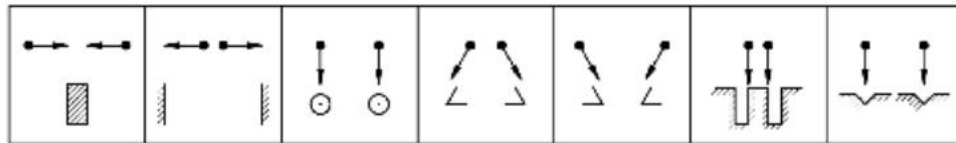
Code	Type	Diap.	Diskr.	Error	Sponges	Price
		mm	mm	mm	mm Euro	
141225001	ýýý-500	50-500	0.02	± 0.06	150	347



- Standard STP MK15.06.001-1-MTU
- For measuring brake drums
- Stainless Steel
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

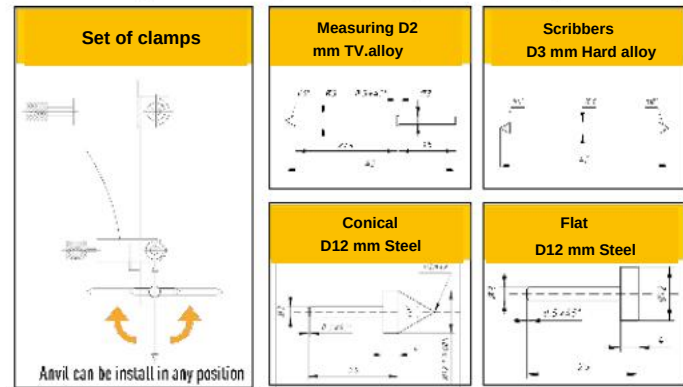
ACCESSORIES FOR CRANKSHAFT

SET OF TIP TOWARDS



- Standard STP MK19.06.001-MTU
- Sets of t / s tips to the calipers
- 2 or 4 pairs of tips in a set
- Installed on calipers type 1 and type 3
- Production of MICROTECH (Ukraine)

MICROTECH



Code	For calipers	Price
1410010001	ShTs-I-150/200/300	71
1410010005		157
1410030001	SHT-III-500	98
1410030005		181
1410032001	SHT-III-1000	112
1410032005		199

SET OF TIP TOWARDS



Code	For calipers	Price
1410070001	ShTs-I-150/200	39

MICROTECH



- Sets of tips to the calipers
- 4 pairs of tips in a set

CENTERING ATTACHMENT TO VERS



Code	For calipers	Centering	Price
141008001	ShTs-I-150/200	D 10mm	49
141008002	ShTs-I-300	Cone 60 deg	63

MICROTECH



- A pair of tips to the calipers
- Centering tip with a diameter of 10 mm and a cone of 60 degrees

BASE FOR MEASUREMENT OF DEPTH TO VAN



Code	For calipers	Base width	Price
1410020075	ShTs-I-150/200/300	75	15
1410020125		125	36

MICROTECH



- Removable base 75 and 125 mm wide for depth measurement for type I calipers
- Made of stainless steel
- Production of MICROTECH (Ukraine)

EXTENDED BASE TO BARS



Code	For rod depth gauges	Base width	Price
1410022180	SHGC	180	35
1410022320		320	54

MICROTECH



- Removable base with a width of 180 and 320 mm for bar gauges
- Made of stainless steel
- Production of MICROTECH (Ukraine)

BAR DEBT METERS

ANTHOLOGICAL BAR DEVICES



Code	Type	Diap.	The price of the device	Price error	Base
143102020y	yy-200	0-200	0.02	± 0.06 ± 0.04	102 37 45
143102030y	yy-300	0-300	0.02	± 0.06 ± 0.04	102 53 58
143102050y	yy-500	0-500	0.02	± 0.10 ± 0.08	102 90 108
143102100y	yy-1000	0-1000	0.02	± 0.14 ± 0.10	102 218 262

MICROTECH



- Standard STP MK 15.07.006 MTU
- To measure the depth of holes and protrusions
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

DRAGON DEPTH DIGITALS DIGITAL IP-54



Code	Type	Diap. Diskr.	Error class	Base	Price
143201015y	yyy -150	0-150	0.01	102 45 54	
143201030y	yyy -300	0-300	0.01	102 56 68	
143201050y	yyy -500	0-500	0.01	102 84 102	
143201100y	yyy -1000	0-1000	0.01	102 150 180	

MICROTECH



- Standard STP MK 15.07.006 MTU
- To measure the depth of holes and protrusions
- Digital electronics with large display
- Bar material - stainless steel
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

DRAGON DEPTH DIGITALS DIGITAL IP-54



Code	Type	Diap. Diskr.	Error class	Base	Price
143201015y	yyy -150	0-150	0.005	102 73 46	
143201030y	yyy -300	0-300	0.005	102 59 91	
143201050y	yyy -500	0-500	0.005	102 94 124	

MICROTECH



- Standard STP MK 15.07.006 MTU
- To measure the depth of holes and protrusions
- Discreteness of the digital block 5 microns
- Bar material - stainless steel
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

DRAGON DEPTH DIGITALS DIGITAL IP-67



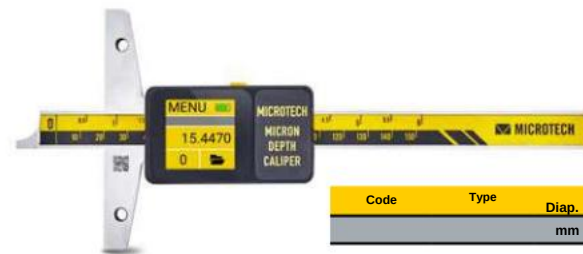
Code	Type	Diap. Diskr.	Error	Base	Protection	Communication	Price
1432010153	yyy -150	0-150	0.01	0.03	102		168
1432010154	yyy -150	0-150	0.01	± 0.03	102		168
1432010203	yyy -200	0-200	0.01	± 0.03	102		189
1432010204	yyy -200	0-200	0.01	± 0.03	102		189
1432010303	yyy -300	0-300	0.01	± 0.04	102		247
1432010304	yyy -300	0-300	0.01	± 0.04	102		247

MICROTECH



- Standard STP MK 15.07.006 MTU
- To measure the depth of holes and protrusions
- Dust and moisture protection IP67
- Swiss electronics
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICRON COMPUTER BARS



Code	Type	Diap. Diskr.	Error	Base	Protection	Communication	Price
1432010157	yyy-150	0-150	0.005	± 0.020	102		259
1432010158	yyy-150	0-150	0.001	± 0.015	102		455
1432010207	yyy-200	0-200	0.005	± 0.020	102		283
1432010208	yyy-200	0-200	0.001	± 0.015	102		487
1432010307	yyy-300	0-300	0.005	± 0.030	102		320
1432010308	yyy-300	0-300	0.001	± 0.020	102		525
1432010507	yyy-500	0-500	0.010	± 0.040	102		537
1432010508	yyy-500	0-500	0.001	± 0.025	102		894
1432011007	143201100	0-1000	0.010	± 0.050	102		922
1432011008	143201100	0-1000	0.001	± 0.035	102		1152

MICROTECH



- Standard STP MK 15.07.006 MTU
- To measure the depth of holes and protrusions
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Control of measuring force
- Wireless data transmission
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

Pat. US y10429165
Pat. US y10184722

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995

ANTHOLOGICAL BARS

Code	Type	Diap.	The price of the division	Error		Price	
				class 2	class 1	class 2	class 1
		mm	mm	mm	mm	Euro	Euro
144103020ŷ ŷŷ-300	0-300	0.02	± 0.06	± 0.04		99	120
144105020ŷ ŷŷ-500	0-500	0.02	± 0.08	± 0.06		150	180
144106320ŷ ŷŷ-630	0-630	0.02	± 0.08	± 0.06		189	226
144110020ŷ ŷŷ-1000	0-1000	0.02	± 0.10	± 0.08		580	750
144115020ŷ ŷŷ-1500	0-1500	0.02	± 0.18	± 0.12		1100	1350
144120020ŷ ŷŷ-2000	0-2000	0.02	± 0.20	± 0.16		1440	1650

DIGITAL BARS

Code	Type	Diap.	Diskr.	Error		Price	
				class 2	class 1	class 2	class 1
		mm	mm	mm	mm	Euro	Euro
144203020ŷ ŷŷŷ-300 0-300 144205020ŷ ŷŷŷ-500 0-500 144210020ŷ ŷŷŷ-1000 0-1000 144215020ŷ ŷŷŷ-1500 0-1500 144220020ŷ ŷŷŷ-2000 0-2000			0.01	± 0.06	± 0.04	199	240
			0.01	± 0.07	± 0.05	300	360
			0.01	± 0.09	± 0.07	690	840
			0.01	± 0.10	± 0.08	1500	1650
			0.01	± 0.12	± 0.09	1950	2180

DIGITAL BAR RACKS WITH SUPPLY

Code	Type	Diap.	Diskr.	Price error	
				class 1	class 1
		mm	mm	mm	Euro
1442030401 ŷŷŷŷ-300 0-300 1442060401 ŷŷŷŷ-600 0-500			0.01	± 0.04	444
			0.01	± 0.05	652

DIGITAL BARS

Code	Diap.	Diskr.	Error Repeat		Price
			mm	mm	
	mm	mm	mm	mm	Euro
840.0400	0-400	0.01	0.04	0.01	1250
840.0600	0-600	0.01	0.05	0.01	1390

MOTORIZED ALTIMETERS

Code	Diap. Diskr.	Error	Repeat.	Effort	Plugins. accum.	Price
	mm	ŷm	ŷm	ŷm	N	Euro
830.0150	0-150	1	2.5 + L / 175	2	0.7-1.5	3390
830.0300	0-300	1	2.5 + L / 175	2	0.7-1.5	3960
830.0450	0-450	1	2.5 + L / 175	2	0.7-1.5	4550



- Standard STP MK19.06.001-MTU
- Analog indication
- Made of stainless steel (except base)
- Precision drive module
- Manual finishing of surfaces for softness of a course and roughness of a sponge Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK19.06.001-MTU
- Digital display
- Made of stainless steel (except base)
- Precision drive module
- Manual finishing of surfaces for softness of a course and roughness of a sponge Ra <0,36
- 100% metrological control
- Calibration ISO 17025: 2017



- Standard STP MK19.06.001-MTU
- Digital display
- Made of stainless steel (except base)
- Manual finishing of surfaces for softness of a course and roughness of a sponge Ra <0,36
- Quick drive wheel and precision drive module
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Sylvac standard
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- Sylvac standard
- Motorized long range
- Discreteness of 1 micron
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)

COMPUTER BAR RACKS WITH EFFORT CONTROL

Code	Type	Diap. Diskr.	Error	The efforts of N	Communication	Price
		mm	mm	mm		Euro
1443030262 SHRK -300	0-300	0.01	± 0.030		WIRELESS + USB 492	
1443030261 ShRKM-300		0.001	± 0.020		WIRELESS + USB 664	
1443050262 SHRK -500	0-500	0.01	± 0.040		WIRELESS + USB 585	
1443050261 ShRKM-500		0.001	± 0.030		WIRELESS + USB 778	
1443100262 SHRK -1000	0-1000	0.01	± 0.050	1-20	WIRELESS + USB 1100	
1443100261 ShRKM-1000		0.001	± 0.040		WIRELESS + USB 1315	
1443150262 SHRK -1500	0-1500	0.01	± 0.070		WIRELESS + USB 1885	
1443150261 ShRKM-1500		0.001	± 0.060		WIRELESS + USB 2171	
1443200262 SRK -2000	0-2000	0.01	± 0.090		WIRELESS + USB 2499	
1443200261 ShRKM-2000		0.001	± 0.075		WIRELESS + USB 2828	

COMPUTER BAR RACKS WITH SUPPLY

Code	Type	Diap.	Diskr.	Base error	Communication	Price
		mm	mm	mm		Euro
1443030264 SHRK -300-K	0-300	0.01	± 0.020	cast iron	WIRELESS + USB 659	
1443030263 ShRKM-300-K		0.001	± 0.020	cast iron	WIRELESS + USB 842	
1443030266 ShRKM-300-G		0.001	± 0.015	granite	WIRELESS + USB 1121	
1443060264 ShRK -600-K	0-600	0.01	± 0.030	cast iron	WIRELESS + USB 845	
1443060263 ShRKM-600-K		0.001	± 0.030	cast iron	WIRELESS + USB 1050	
1443060266 ShRKM-600-G		0.001	± 0.025	granite	WIRELESS + USB 1371	

2D COMPUTER BARS

Code	Type	2D Disc range.	Error	Communication	Price
		mm	mm	mm	
		mm	mm	mm	Euro
1443030371 ShRK2D-300 0-300		0-13	0.001	± 0.015	WIRELESS + USB 1575
1443050371 ShRK2D-500 0-500		0-25	0.001	± 0.020	WIRELESS + USB 1882
1443100371 ShRK2D-1000 0-1000		0-50	0.001	± 0.035	WIRELESS + USB 2542

ALTITUDES PRECISION

Diap code .	Type	Diskr.	Error	Repeat. Effort	Air. pillow	Price
		mm	ŷm	ŷm	ŷm	Euro
B2-400			1	7	2 2 H	3130
V3-400	manual		1	7	0.7-1.5	3600
V4-400			1	5	0.7-1.5	4660
V5-400	0-400		1	2.5 + L / 300	0.7-1.5 0.7-1.5	4990
V6-400			1	2 + L / 400	0.7-1.5	6200
V7-400	motorization.		0.1	2 + L / 400	0.7-1.5	7888
V9-400			0.1	2 + L / 1000	0.7-1.5	8940
V3-700			1	8	0.7-1.5	4130
V4-700	manual			7	0.7-1.5	5500
V5-700			1	2.5 + L / 300	0.7-1.5	5850
V6-700	0-700		1	2 + L / 400	0.7-1.5	6870
V7-700			0.1	2 + L / 400	0.7-1.5	8420
V9-700			0.1	2 + L / 1000	0.7-1.5	9430
V5-1100			1	2.5 + L / 300	0.7-1.5	8850
V6-1100	0-1110		1	2 + L / 400	0.7-1.5	9880
V7-1100			0.1	2 + L / 400	0.7-1.5	12750
V9-1100			0.1	2 + L / 1000	0.7-1.5	14450
V7-1800 0-1810			0.1	2 + L / 400	0.7-1.5	30700

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995



- Standard STP MK19.06.001-MTU
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- USB and Wireless data transfer
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK19.06.001-MTU
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- USB and Wireless data transfer
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK19.06.001-MTU
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- USB and Wireless data transfer
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Trimos standard
- Motorized or manual rangefinder
- Discreteness of 1 and 0.1 microns
- Airbag
- Multifunction display unit
- Calculation of geometric objects
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRIMOS (Switzerland)

DIGITAL SCALES



SCALE COMPUTERIZED



Code	Diap.	Diskr. Error Guides			Communication	Price
		mm	mm	mm		
142501141	0-150	0.001	± 0.007		WIRELESS + USB	309
142502141	0-200	0.001	± 0.010	steel	WIRELESS + USB	341
142503141	0-300	0.001	± 0.015		WIRELESS + USB	385
142505141	0-550	0.001	± 0.015		WIRELESS + USB	1060
142510141	0-1150	0.001	± 0.020		WIRELESS + USB	1315
142515141	0-1500	0.001	± 0.025		WIRELESS + USB	1785
142520141	0-2000	0.001	± 0.030	rail with	WIRELESS + USB	2070
142525141	0-2500	0.001	± 0.035	carriages	WIRELESS + USB	2650
142530141	0-3000	0.001	± 0.040		WIRELESS + USB	3460
142535141	0-3500	0.001	± 0.045		WIRELESS + USB	4230

SCALES COMPUTERIZED WITH LED MICROSCOPE



Code	Diap.	Diskr. Error Guides			Indication	Microscope	Communication	Price
		mm	mm	mm				
142505158	0-550	0.001	± 0.020		computerized display system		Wireless	Euro
142510158	0-1150	0.001	± 0.030					
142515158	0-1500	0.001	± 0.040					
142520158	0-2000	0.001	± 0.050	rail with				
142525158	0-2500	0.001	± 0.055	carriages				
142530158	0-3000	0.001	± 0.060					
142535158	0-3500	0.001	± 0.065					

BLOCKS AND SCALES ARE LINEAR

Type	Diap.	Price	Type	Diap.	Price
mm	Euro	mm	Euro		
WTA-50	50	236	WTA-900	900	325
WTA-100	100	238	WTA-1000	1000	331
WTA-150	150	242	WTB-1100	1100	448
WTA-200	200	244	WTB-1200	1200	485
WTA-250	250	246	WTB-1300	1300	513
WTA-300	300	248	WTB-1400	1400	566
WTA-350	350	249	WTB-1500	1500	593
WTA-400	400	251	WTB-1600	1600	674
WTA-450	450	253	WTB-1700	1700	728
WTA-500	500	255	WTB-1800	1800	755
WTA-550	550	263	WTB-1900	1900	809
WTA-600	600	281	WTB-2000	2000	890
WTA-650	650	288	WTB-2400	2400	1214
WTA-700	700	294	WTB-3000	3000	1753
WTA-750	750	313	WTC-4000	4000	2669
WTA-800	800	319	WTC-5000	5000	3290



MICROTECH

- STP MK 06.07.002 MTU
- For modernization of measuring machines, microscopes and machines
- Horizontal and vertical installation
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROTECH

- STP MK 06.07.002 MTU
- For modernization of measuring machines, microscopes and machines
- Horizontal and vertical installation

- Rail guides with carriages for the range from 550 mm
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless transmission
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROTECH

- STP MK 06.07.002 MTU
- Rail guides with carriages for the range from 550 mm
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless data transmission • 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROTECH

- STP MK 19.06.010 MTU
- For modernization of measuring machines, microscopes. machines
- Movement indication on digital display units

- Discreteness of scales 1 micron
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

WE6800-2 WE6800-3		
Type Number of	2 3	
coordinates Discrete,	0.05-50	
μm Memory, values	1000	
Data output Weight,	RS-232	
kg Price, Euro	1.5	1.5
	300	390

MICROMETERS ARE LEVELY



MICROMETERS ARE LEVELY



LOCKS ARE LEVELY



LOCKS ARE LEVELY



LEVELS LEVEL DIGITAL



LOCKS ARE LEVELY



LOCKS ARE LEVELY

Code	Type	Diap.	C.p. Error Price Indicator		
			mm mm	mm	μm ± Euro
114010025	MR-25	0-25	0.001	± 0.0015	70 ± 360
114010075	MR-75	50-75	0.001	± 0.002	70 ± 420
MR-100	75-100	0.001	± 0.0025	70 ± 530	± 0.003 70 630

Code	Type	Range	Ts.p.	Price indicator		
				mm mm	ym ±	Euro
76053705320	MR-25	0-25	0.001	70 ±	1030	
76053756120	MR-75	50-75	0.001	70 ±	1290	
76053756320	MR-125	100-125	0.001	70 ±	1440	
MR-150	125-150	0.001	76053707520	MR-175	70 ±	1570
150-175	0.002	76053707620	MR-200	175-200	70 ±	1750
0.002	76053707720	MR-225	200-225	0.002	70 ±	1860
76053707820	MR-250	225-250	0.002	140 ±	2560	
76053707920	MR-275	250-275	0.002	140 ±	2770	
76053708020	MR-300	275-300	0.002	140 ±	3895	
				140 ±	4177	
				140	4480	
				± 140	5110	

Code	Type	Diap.	The price of the division	Error		Price	
				mm	mm	class 2 class 1	class 2 class 1
115021025X	SRV-25	0-25	0.001	± 0.002 ± 0.0014	350 415		
115021050X	SRV-50	25-50	0.001	± 0.002 ± 0.0014	410 499		
115021075X	SRV-75	50-75	0.001	± 0.002 ± 0.0014	514 610		
115021100X	SRV-100	75-100	0.001	± 0.002 ± 0.0014	565 725		

Code	Type	Diap.	The price of the division	The range of the indicator	Price
				mm	is μm ± Euro
76390105120	yy-25	0-25	0.001	70 ± 70 ±	1110
76390105220	yy-50	25-50	0.001	70 ± 70	1280
76390105320	yy-75	50-75	0.001		1390
76390105420	yy-100	75-100	0.001		1550
76390100520	SR-125	100-125	0.002	± 140	1680
76390100620	yy-150	125-150	0.002	± 140	1880
76390100720	yy-175	150-175	0.002	± 140	2100
76390100820	yy-200	175-200	0.002	± 140	2350

Code / Type	Discrete range Repeat.		Error per 1 mm		Price
	mm	mm	mm	mm	
76390200120	0-30	0.0001	0.0003	0.0006	2780
76390200220	25-55	0.0001	0.0003	0.0006	3150
76390200320	50-80	0.0001	0.0003	0.0007	3510
76390200420	75-105	0.0001	0.0003	0.0007	ordered
76390200520	100-130	0.0001	0.0003	0.0008	ordered

Code	Type	Disc range.	Error	Indication	Price
1150500505	SRC-50	0-50	0.001	509	± 0.004
1150501005	SRC-100	50-100	0.001	539	± 0.005
1150501505	SRC-150	100-150	0.001	579	± 0.006
1150502005	SRC-200	150-200	0.001	629	± 0.006

Code	Type	Disc range.	Error	Indication	Price
1150500503	SRI-50	0.002	1150500503	SRI-100	± 0.004
50-100	0.002	1150501503	SRI-150	100-150	0.002 ± 0.004 610
1150502003	SRI-200	150-200	0.002	± 0.006 650	2IG Kaefer
				± 0.006 698	

MICROTECH

- Standard MK 15.07.007 MTU
- For control in serial precision production
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

STEINMEYER

- Steinmeyer standard
- Rod diameter 8 mm
- Stroke 2.5 mm
- For control in serial precision production
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)

MICROTECH

- Standard STP MK 15.07.008 MTU
- For control in serial precision production

- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

STEINMEYER

- Steinmeyer standard
- For control in serial precision production

- Diameter of a core is 10 mm
- Stroke 2.5 mm
- The flatness of the measuring surface is 0.3 μm
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)

STEINMEYER

- Steinmeyer standard
- For control in serial precision production

- Dust and moisture protection IP65
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)

MICROTECH

- Standard STP MK 15.07.008 MTU
- For control in serial precision production

- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices • 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROMETERS ARE LARGE

SMOOTH LARGE ANALOG MICROMETERS



Code	Type	Range	The price of the division	Price error			
				class 2	class 1	class 2	class 1
		mm	mm	mm	mm	Euro	Euro
110114002	MK-400	300-400	0.01	± 0.010 ± 0.007	330	396	
110115002	MK-500	400-500	0.01	± 0.010 ± 0.007	385	462	
110116002	MK-600	500-600	0.01	± 0.012 ± 0.008	485	582	
110117002	MK-700	600-700	0.01	± 0.012 ± 0.008	510	612	
110118002	MK-800	700-800	0.01	± 0.032 ± 0.015	605	726	
110119002	MK-900	800-900	0.01	± 0.032 ± 0.015	745	894	
110119102	MK-1000	900-1000	0.01	± 0.032 ± 0.015	840	1008	
110119122	MK-1200	1000-1200	0.01	± 0.032 ± 0.015	1480	1776	
110119142	MK-1400	1200-1400	0.01	± 0.032 ± 0.015	1620	1944	
110119162	MK-1600	1400-1600	0.01	± 0.032 ± 0.015	1830	2196	
110119182	MK-1800	1600-1800	0.01	± 0.032 ± 0.015	1980	2376	
110119202	MK-2000	1800-2000	0.01	± 0.032 ± 0.015	2170	2604	

SMOOTH LARGE DIGITAL MICROMETERS



Code	Type	Disc range.	Price error			
			mm	mm	mm	mm
110174002	MKC -400	300-400	110175002	0.001 ± 0.010 ± 0.007	430	516
MKC -500	400-500	110176002	MKC	0.001 ± 0.010 ± 0.007	495	594
-600	500-600	110177002	MKC -700	0.001 ± 0.012 ± 0.008	595	714
600-700	110178002	MKC -800	700-800	0.001 ± 0.012 ± 0.008	630	756
110179002	MKC -900	800-900	110179102	0.001 ± 0.032 ± 0.015	725	870
MKC -1000	900-1000	110179	MCC-1200	0.001 ± 0.032 ± 0.015	875	1050
1000-1200	110179142	MCC-1400	0.001 ± 0.032 ± 0.015	970	1164	
1200-1400	110179162	MCC-1600	0.001 ± 0.032 ± 0.015	1630	1956	
1400-1600	110179182	MCC-1800	0.001 ± 0.032 ± 0.015	1770	2123	
1600-1800	110179202	MCC-2000	0.001 ± 0.032 ± 0.015	1980	2376	
1800-2000	0.001 ± 0.032 ± 0.015	2160	2592			
	0.001 ± 0.032 ± 0.015	2375	2850			

SMOOTH LARGE COMPUTER MICROMETERS



Code	Type	Disc range.	Error	Communication	Price
mm	110174008	MKK-400	300-400 0.0001 ± 0.005	WIRELESS + USB	806
110175008	MKK-500	400-500 0.0001 ± 0.005	WIRELESS + USB	914	
110176008	MKK-600	500-600 0.0001 ± 0.006	WIRELESS + USB	1043	
110177008	MKK-700	600-700 0.0001 ± 0.007	WIRELESS + USB	1122	
110178008	MKK-800	700-800 0.0001 ± 0.008	WIRELESS + USB	1307	
110179008	MKK-900	800-900 0.0001 ± 0.010	WIRELESS + USB	1543	
110179108	MKK-1000	900-1000 0.0001 ± 0.010	WIRELESS + USB	1729	
110179128	MKK-1200	1000-1200 0.0001 ± 0.014	WIRELESS + USB	2265	
110179148	MKK-1400	1200-1400 0.0001 ± 0.016	WIRELESS + USB	2565	
110179168	MKK-1600	1400-1600 0.0001 ± 0.020	WIRELESS + USB	2746	
110179188	MKK-1800	1600-1800 0.0001 ± 0.024	WIRELESS + USB	3127	
110179208	MKK-2000	1800-2000 0.0001 ± 0.030	WIRELESS + USB	3243	

COMPUTER MICROMETERS-TRANSFORMERS



Code	Type	Disc range.	Error	Modules	Weight	Price
mm	mm	mm	pcs			Euro
110160155	MKT-1500	1000-1500 0.001	110160205	± 0.028	2.2	kg 18 2590
MKT-2000	1500-2000 0.001	110160305	MKT-3000	± 0.032	3.4	22 3290
2000-3000 0.001	110160405	MKT-4000	3000-4000	± 0.050	5.6	35 4790
0.001	110160505	MKT -5000	4000-5000 0.001	± 0.060	7.8	47 6390
110160605	MKT-6000	5000-6000 0.001	110160705	± 0.075	9	60 7990
-7000	6000-7000 0.001	110160805	MKT-8000	± 0.090	10	79 9590
7000-8000 0.001	110160905	MKT-9000	8000-9000	± 0.105		95 11190
0.001	110161005	MKT-10000	9000-10000 0.001	± 0.120		115 12790
				± 0.135		135 14390
				± 0.150		160 15990



- Standard STP 15.06.021 MTU
- Microscrew with ratchet
- Equipped with installation measures
- Manual adjustment of carbide heel and microscrew
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP 15.06.021 MTU
- Microscrew with ratchet
- Equipped with installation measures
- Manual adjustment of carbide heel and microscrew
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP 15.06.021 MTU
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- FREE MICROTECH software for Android, Windows, iOS devices
- Equipped with installation measures
- Manual adjustment of carbide heel and microscrew
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



SPECIAL MICROMETERS

MICROMETRIC DIGITAL HEADS



Code	Type	Diap.	Diskr.	Error	Protection	Price
110180020	MHz-25	0-25	110180050	0.001	± 0.002	IP-65 105
MHz-50	0-50			0.001	± 0.004	IP-65 215

MICROMETRIC COMPUTER HEADS



Code	Type	Diap.	Diskr.	Error	Protection	Type	Communication	Price
110180027	MGK-25	0-25	0.0001	± 0.002	IP-65	turn.	WIRELESS + USB	345
110181027	MGKN-25		0.0001	± 0.002	IP-65	nepovor.	WIRELESS + USB	469
110181057	MGK-50	0-50	0.0001	± 0.003	IP-65	turn.	WIRELESS + USB	534

MICROMETRIC DIGITAL NON-ROTARY HEADS



Code	Diap.	Diskr.	Error	Communication	Price
852.2601	0-25	0.001	0.005	RS-232	915
852.2611	0-50	0.001	0.008	RS-232	1210

DIGITAL MICROMETRIC DIGOMETERS



Code	Type	Diap.	Diskr.	Base Inserts	Error	Price
117050100	yyy -100	0-100	0.001	100	4	± 0.004 179
117050150	yyy -150	0-150	0.001	100	6	± 0.005 193
117050200	yyy -200	0-200	0.001	100	8	± 0.006 247
117050300	yyy -300	0-300	0.001	100	12	± 0.008 270

DEVICES MICROMETRIC COMPUTER



0.1µm

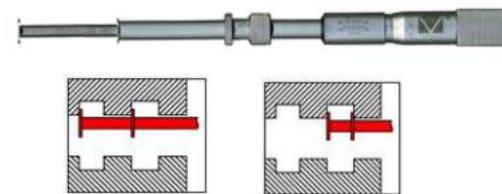
Code	Type	Diap.	Diskr.	Base Insert	Error	Communication	Price
mm	mm	mm	pcs	mm			Euro
117050108	MMC-100	0-100 0.0001	100	4	± 0.003	WIRELESS + USB	379
117050158	MMC-150	0-150 0.0001	100	6	± 0.004	WIRELESS + USB	393
117050208	MMC-200	0-2050 0.0001	100	8	± 0.005	WIRELESS + USB	447
117050308	MMC-300	0-300 0.0001	100	12	± 0.006	WIRELESS + USB	470

MICROMETERS FOR INTERNAL MEASUREMENTS



Code	Type	Diap.	Price division	Error	Price
mm	mm	mm	mm		Euro
112010300	MKV-30	5-30 112010500	0.01	± 0.010	75
MKV-50	25-50 112010750	MKV-75	0.01	± 0.010	87
50-75 112011000	MKV-100	75-100	0.01	± 0.010	108
			0.01	± 0.010	121

DROW MICROMETERS



Code	Type	External range, internal	The price of the division	Price error
mm	mm	mm	mm	Euro
110910025	MKN-25	0-25	mm 1.6-26.5	0.01 ± 0.01 375
110910050	MKN-50	25-50 26.5-51.5	110910075	0.01 ± 0.01 465
MKN-75	50-75 51.5-76.5	110910100	MKP-100	0.01 ± 0.01 510
75-100	76.5-101.5			0.01 ± 0.01 585

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995



- Standard MK 15.11.001 MTU
- Discreteness of 1 micron
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard MK 15.11.001 MTU
- Discreteness of 0.1 microns
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

- Micrometric head with non-rotating spindle and force adjustment

- Suitable for measuring film
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- Standard STP MK 15.10.015 MTU
- To measure depth
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 15.10.015 MTU
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 16.09.001 MTU
- To measure internal dimensions
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 15.11.032 MTU
- For measuring internal grooves
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

SPECIAL MICROMETERS

MICROMETERS UNIVERSAL FLEXIBLE



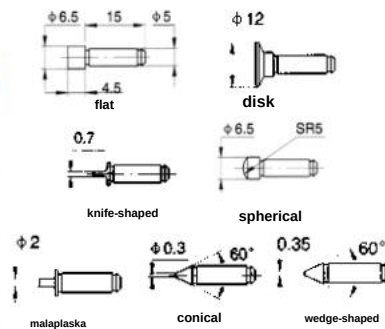
Code	Type	Diap.	The price of the division	Price error	
				mm	Euro
1107100251	MKU-25	0-25	0.01	± 0.004	269
1107100501	MKU-50	25-50	0.01	± 0.005	290
1107100751	MKU-75	50-75	0.01	± 0.006	315
1107101001	MKU-100	75-100	0.01	± 0.007	350
1107101251	MKU-125	100-125	0.01	± 0.008	375
1107101501	MKU-150	125-150	0.01	± 0.008	399
1107101751	MKU-175	150-175	0.01	± 0.008	415
1107102001	MKU-200	175-200	0.01	± 0.008	444

Code	Type	Diap.	Diskr.	Price error	
		mm	mm	mm	Euro
1107500251	yyyy-25	0-25	1107500501	0.001	± 0.004 345
yyyy-50	25-50	1107500751	yyyy-75	0.001	± 0.005 365
50-75	1107501001	yyyy-100	75-100	0.001	± 0.006 392
100-125	1107501251	yyyy-125	100-125	0.001	± 0.007 414
125-150	1107501501	yyyy-150	125-150	0.001	± 0.008 433
150-175	1107501751	yyyy-175	150-175	0.001	± 0.008 465
175-200	MKUC-200	175-200		0.001	± 0.008 499
				0.001	± 0.008 520

Code	Type	Diap.	Diskr.	Error	Communication	Price
		mm	mm	mm		Euro
1107500258	MKUK-25	0-25	0.0001	1107500508	± 0.003 WIRELESS + USB	509
MKUK-50	25-50	0.0001	1107500758	MKUK-75	± 0.003 WIRELESS + USB	540
1107501008	MKUK-100	75-100	0.0001	MKUK-125	± 0.003 WIRELESS + USB	565
1107501508	MKUK-150	125-150	0.0001	1107501758	± 0.004 WIRELESS + USB	589
MKUK-175	150-175	0.0001	1107502008	MKUK-200	± 0.004 WIRELESS + USB	634
175-200	0.0001				± 0.004 WIRELESS + USB	678
					± 0.004 WIRELESS + USB	707
					± 0.004 WIRELESS + USB	757



- Standard TU U 33.2-30291682-002-2004
- 7 pairs of inserts included
- **Non-rotating spindle**
- Manual adjustment of measuring surfaces and microscREW
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



MICROMETERS WITH SMALL SPONGES MKM



Code	Type	Diap.	The price of the division	Error		Price	
				class 2	class 1	class 2	class 1
		mm		mm	mm	Euro	Euro
mm 1106100252	MKM-25	0-25	0.01	1106100502	± 0.006 ± 0.004	73	89
MKM-50	25-50	0.01	1106100752	MKM-75	± 0.006 ± 0.004	79	98
1106101002	MKM-100	75-100	0.01	1106101252	± 0.007 ± 0.005	85	108
MKM-125	100-125	0.01	1106101502	MKM-150	± 0.007 ± 0.005	96	120
125-150	0.01	1106101752	MKM-175	150-175	± 0.008 ± 0.006	115	142
0.01					± 0.008 ± 0.006	142	175
					± 0.008 ± 0.006	165	199

Code	Type	Diap.	Diskr.	Error	Protection	Price
		mm	mm	mm		Euro
1106500251	MKMTs-25	0-25	0.001	1106500501	± 0.004	IP65 210
MKMTs-50	25-50	0.001	1106500751	MKMTs-75	± 0.004	IP65 262
0.001	1106501001	MKMTs-100	75-100	0.001	± 0.005	IP65 301
					± 0.005	IP65 355

Code	Type	Diap.	Diskr.	Error	Communication	Price
		mm	mm	mm		Euro
1106500258	MKMK-25	0-25	0.0001	± 0.003	WIRELESS + USB	397
1106500508	MKMK-50	25-50	0.0001	± 0.003	WIRELESS + USB	450
1106500758	MKMK-75	50-75	0.0001	± 0.004	WIRELESS + USB	525
1106501008	MKMK-100	75-100	0.0001	± 0.004	WIRELESS + USB	567

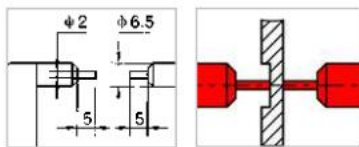
MICROMETERS WITH SMALL SPONGES MKM



Diap code . Diskr. Error D Sponge Communication Protection Price						
mm	mm	mm	mm			Euro
803.0301	0-25	0.001	0.003	2	RS-232 IP-67	665
803.0307		0.001	0.003	2	BLUETOOTH IP-67	810
903.0601	25-60	0.001	0.004	2.2	RS-232 IP-67	960
903.1001	60-95	0.001	0.005		RS-232 IP-67	1102



- Standard TU U 33.2-30291682-002-2004
- To measure grooves
- Analog or digital display
- Equipped with installation measures (from MK-50)
- Manual adjustment of measuring surfaces and microscREW
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- To measure grooves
- **Micrometric head with non-rotating spindle and force adjustment**
- Dust and moisture protection IP67
- 100% metrological control
- **Calibration ISO 17025: 2017**
- 3-year warranty
- Production SYLVAC (Switzerland)

MICROMETERS ZUBOMIRNI



Code	Type	Diap.	The price of the division	D	Price error			
					class 2	class 1	class 2	class 1
		mm	mm	mm	mm	Euro	Euro	Euro
mm 1104100252	MZ-25	0-25	0.01	20	± 0.006 ± 0.004	79	95	
1104100502	MZ-50	25-50	1104100752		± 0.006 ± 0.004	93	112	
MZ-75	50-75	1104101002	MZ-100		± 0.006 ± 0.004	108	129	
1104101252	MZ-125	100-125	0.01		± 0.006 ± 0.004	126	151	
1104101502	MZ-150	125-150	0.01	30	± 0.010 ± 0.006	145	174	
1104101752	MZ-175	150-175	0.01		± 0.010 ± 0.006	159	191	
1104102002	MZ-200	175-200	0.01		± 0.015 ± 0.008	185	222	
			0.01		± 0.015 ± 0.008	211	253	

Code	Type	Diap.	Diskr.	D	Error	Price
		mm	mm	mm	mm	Euro
mm 1104500251	yyy-25	0-25	1104500501	0.001	± 0.004	215
yyy-50	25-50	1104500751	yyy-75	50-75	± 0.004	242
1104501001	yyy-100	75-100	1104501251	0.001	± 0.004	259
yyy-125	100-125	1104501501	yyy-150	0.001	± 0.004	281
125-150	1104501751	yyy-175	150-175	0.001	± 0.006	304
1104502001	MZC-200	175-200	0.001	± 0.006	320	
			0.001	± 0.008	352	
			0.001	± 0.008	373	

MICROMETERS ZUBOMIRNI



Code	Diap.	Diskr.	Error	D	Sponge	Communication	Protection	Price
	mm	module	mm	803.0303	mm	mm		Euro
0-30> 0.5	0.001	RS-232	IP-67	885	0.004	25		

SHEET MICROMETERS



Code	Type	Diap.	The price of the division	D	Error		Price	
					class 2	class 1	class 2	class 1
		mm	mm	mm	mm	mm	Euro	Euro
110510025X	ML-25	0-25	0.01	60	± 0.016 ± 0.008	±	169	205
110510050X	ML-50	25-50	0.01		0.020 ± 0.010	±	211	255
ML-75	50-75	0.01	110510100X		0.020 ± 0.010	±	243	292
75-100	0.01				0.020 ± 0.010		270	324

MICROMETERS WITH A WIDE BASE



Code	Type	Diap.	The price of the division	Error	Price
		mm	mm	class 2 class 1	class 2 class 1
111210025y	yyy-25	0-25	0.01	± 0.008 ± 0.004	151 170
111210050y	yyy-50	25-50	0.01	± 0.008 ± 0.004	216 198



Code	Type	Diap.	Diskr.	Error	Price
		mm	mm	mm	Euro
1112150251	yyyy-25	0-25	0.001	± 0.004	287
1112150501	yyyy-50	25-50	0.001	± 0.004	366

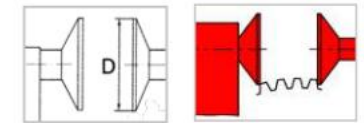
MICROMETERS WITH KNIFE SPONGES



Diap code . Diskr. Error Sponge						
mm	mm	mm	mm			Euro
803.0302	0-25	0.001	0.003	0.75x6.5	RS-232	IP-67 874
803.0308		0.001	0.003	0.75x6.5	BLUETOOTH	IP-67 977
903.0602	25-60	0.001	0.004	0.75x6.5	RS-232	IP-67 1080
903.1002	60-95	0.001	0.005	0.75x6.5	RS-232	IP-67 1229



- Standard TU U 33.2-30291682-002-2004
- To measure gear teeth
- Analog or digital display
- Manual adjustment of measuring surfaces and microscREW
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- To measure gear teeth
- **Micrometric head with non-rotating spindle and force adjustment**
- Dust and moisture protection IP67
- 100% metrological control
- **Calibration ISO 17025: 2017**
- 3-year warranty
- Production SYLVAC (Switzerland)



- Standard TU U 33.2-30291682-002-2004
- For measuring sheet and soft materials
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- Standard TU U 33.2-30291682-002-2004
- For measuring body parts
- Analog or digital display
- Manual adjustment of measuring surfaces and microscREW
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



- For measuring slots
- **Micrometric head with non-rotating spindle and force adjustment**
- Dust and moisture protection IP67
- 100% metrological control
- **Calibration ISO 17025: 2017**
- 3-year warranty
- Production SYLVAC (Switzerland)

TUBE MICROMETERS



Code	Type Diap.	The price of the division	D	Price error			
				class 2	class 1	class 2	class 1
	mm	mm	mm	mm	mm	Euro	Euro
110310035X MT-25	0-25	0.01	1.8	± 0.004	± 0.002	48	59
110310025X MT-25		0.01		± 0.004	± 0.002	48	59
110310050X MT-50 25-50		0.01		± 0.005	± 0.003	60	72



Code	Type	Diap. Diskr.	D	Price error			
				class 2	class 1	class 2	class 1
	mm	mm	mm	mm	mm	Euro	Euro
110350035X ITC-25	0-25	0.001	1.8	± 0.004	± 0.002	189	210
110350025X ITC-25		0.001		± 0.004	± 0.002	189	210
110350050X ITC-50 25-50		0.001		± 0.005	± 0.003	225	262



Code	Type	Diap. Diskr.	D	Error	Communication	Price
	mm	mm	mm	mm		Euro
1103500358 MTK-25 0.0001	0-25	1103500258	1.8	± 0.002	WIRELESS + USB	399
MTK-25 0.0001		1103500508 MTK-50 25-50 0.0001	4.7	± 0.002	WIRELESS + USB	449

WIRED MICROMETERS



Code	Type Diap.	The price of the division	Price error			
			class 2	class 1	class 2	class 1
	mm	mm	mm	mm	Euro	Euro
111010010X MP-10 0-10		0.01	± 0.004	± 0.002	90	114



Code	Type	Diap. Diskr.	Error	Price
	mm	mm	mm	Euro
111010025X MPC-25 0-25		0.001	± 0.004 ± 0.002	189 210



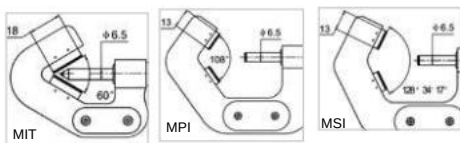
Code	Type Diap. Diskr.	Error	Communication	Price
	mm	mm	mm	Euro
1110100258 IPC-25 0-25		0.0001	± 0.002	WIRELESS + USB 409

DIGITAL WIRE MICROMETERS



Diap code . Diskr.	Error	Sponge	Communication	Protection	Price
mm	mm	mm			Euro
803.0309 0-25	0.001	0.003	0.5 mm / 60 deg	Bluetooth IP-67	986

PRICMATIC MICROMETERS

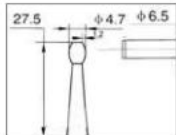
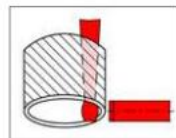


Code	Type	Diap. C.p.	Error	Notes	Price
	mm	mm	mm		Euro
111610200 MTI -20 5-20 0.01	111610350		± 0.004		199
MTI -35 20-35 0.01	111610500 MTI -50		± 0.004	for 3 blade tool	232
35-50 0.01	111610650 MTI -65 50-65 0.01		± 0.004		278
111610800 MTI -80 65-80 0.01	111620250		± 0.004		310
MPI -25 5-25 0.01	111620450 MPI -45 25-45		± 0.004		333
0.01	111620650 MPI -65 45-65 0.01		± 0.004		205
111620850 MPI -85 65-85 0.01	111621050		± 0.004	for 5 blade tool	245
MPI -105 85-105 0.01	111630250 MSI -25		± 0.004		290
5-25 0.01	111630450 MSI -45 25-45 0.01		± 0.004		333
111630650 MSI -65 45-65 0.01	111630850		± 0.004		385
MSI -85 65-85 0.01	111631050 MSI -105		± 0.004		210
85-105 0.01			± 0.004	for 7 blade tools	245
			± 0.004		280
			± 0.004		345
			± 0.004		388

MICROTECH



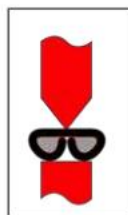
- Standard TU U 33.2-30291682-002-2004
- To measure the wall thickness of pipes
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



MICROTECH



- Standard TU U 33.2-30291682-002-2004
- To measure the thickness of the wire
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



sylvac



- For measuring wire and insulated cable

- Micrometric head with non-rotating spindle and force adjustment

- Dust and moisture protection IP67

- 100% metrological control

- Calibration ISO 17025: 2017

- 3-year warranty

MICROTECH



- Standard STP MK 10.12.012 MTU
- Modifications for 3-5-7 blade tool
- Manual adjustment of measuring surfaces and microscrow
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROMETERS FOR HOT ROLLING



MICROMETERS FOR DEEP MEASUREMENTS



LIMIT MICROMETERS



THREAD MICROMETERS



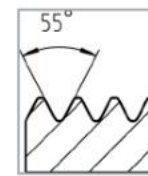
SPECIAL MICROMETERS

Code	Type	Range	The price of the division	Error	Max. tempo.	Price
		mm	mm	mm	° y	Euro
113010015	MGP-15	0-15	0.05	± 0.15	800	365
113010030	MGP-30	15-30	0.05	± 0.15	800	395
113010045	MGP-45	30-45	0.05	± 0.20	800	425
113010060	MGP-60	45-60	0.05	± 0.20	800	455
113010075	MGP-75	60-75	0.05	± 0.20	800	485
113010090	MGP-90	75-90	0.05	± 0.20	800	485
113010105	MGP-105	90-105	0.05	± 0.20	800	515
113010120	MGP-120	105-120	0.05	± 0.30	800	515
113010135	MGP-135	120-135	0.05	± 0.30	800	515
113010150	MGP-150	135-150	0.05	± 0.35	800	540
113010165	MGP-165	150-165	0.05	± 0.35	800	555

Code	Type	Diap. Depth	Price division	Error	Price
		mm	mm	mm	mm Euro
110812020 ICG-25/150	0-25	150	0.01	± 0.008	129
110814020 MKG-25/300		300	0.01	± 0.012	195
110815020 MKG-25/500		500	0.01	± 0.018	297
110812050 MKG-50/150	25-50	300	0.01	± 0.008	150
110814050 ICG-50/300		300	0.01	± 0.012	265
110815050 ICG-50/500		500	0.01	± 0.018	396

Code	Type	Diap.	The price of the division		Price error
			mm	mm	
1111100251	MKP-25	0-25	0.002	± 0.002	120
1111100501	MKP-50	25-50	0.002	± 0.002	139

INSERTS



INSERTS METRIC 60 °

Code	Type	Diap.	The price of the division	Price
		mm	mm	Euro
76933040120 MVM-25 0-25			0.01	420
76933040220 MVM-50 25-50			0.01	496
76933040320 MVM-75 50-75			0.01	580
76933040420 MVM-100 75-100			0.01	643
76933040520 MVM-125 100-125			0.01	744
76933040620 MVM-150 125-150			0.01	795
76933040720 MVM-175 150-175			0.01	970
76933040820 MVM-200 175-200			0.01	1040
76933040920 MVM-225 200-225			0.01	1130
76933070120 MVM-200R 100-200			0.01	2595
76933070220 MVM-300R 200-300			0.01	3150
76933070320 MVM-400R 300-400			0.01	3430

INCHES IN 55 °

Code	Angle	Step	Price
	city	mm	Euro
76920600024 60		0.2	279
76920600324 60		0.225	279
76920600624 60		0.25	279
76920600924 60		0.3	279
76920601224 60		0.35	279
76920602024 60		0.4 / 0.45	195
76920602424 60		0.5 / 0.6	195
76920602824 60		0.7 / 0.75 / 0.8	195
76920603624 60		1.0 / 1.25	195
76920604024 60		1.5 / 1.75	195
76920604424 60		2.0 / 2.5	195
76920604824 60		3.0 / 3.5	195
76920605224 60		4.0 / 4.5 / 5.0	205
7692060 _		5.5 / 6.0	205

Code	Angle	Step	Price
	city	TP1	Euro
76920500924 55 80		277	
76920501224 55 72/64		277	
76920501424 55 195		60/48	
76920501824 55 195		40/32	
76920502224 55 195		28/26/24/22	
76920503024 55 195		20/19/18/16	
76920503824 55 195		14/12/11	
76920504424 55 195		10/9/8	
76920505024 55 195		7/6	
76920505424 55 5/4 1/2 // 4		195	
76920506424 55 31/2/31/4/3/27/8/23/4		205	
76920507424 55 25/8/21/2/2		205	

INSERTS AND INSTALLATION
MEASURES ARE ORDERED ADDITIONALLY

MICROTECH



- Standard STP MK 09.06.006 MTU
- Micrometer and bracket stand
- Production of MICROTECH (Ukraine)



UNIVERSAL STAND

Code	Type	Range	Price
		mm	Euro
161801500	15ST-M	4-20	27

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995



INDICATORS

CLOCK INDICATORS

Code	Type	Diap.	Error class				Price
			The price of the division	class 1	0	Effort	
		mm	mm	mm	mm	H	Euro Euro
120111031 IR-03		0-3	0.01	± 0.014	± 0.010	1.5	23 29
120111051 IR-05		0-5	0.01	± 0.016	± 0.012	1.5	23 29
120111101 IR-10		0-10	0.01	± 0.020	± 0.015	1.5	23 29
120111301 IR-30		0-30	0.01	± 0.030	± 0.025	3.0	65 77
120111501 IR-50		0-50	0.01	± 0.040	± 0.035	3.0	97 119
120111991 IR-100	0-100		0.01	± 0.050	± 0.040	5.0	250 295

CLOCK INDICATORS

Code	Type	Range.	The price of the division Ext. D housing				Price
			mm	mm	H	mm	Euro
MU28	IR-03	0-3.45		0.01	0.7	28	104
KM6T	IR-03			0.01	0.7	32	85
KM4X	IC-03	0-3		0.01	0.7	40	51
KM4T	IC-03			0.01	0.7	40	71
KM5a	IC-05			0.1	0.7	40	72
KM4 / 5X	IR-05	0-5		0.01	0.7	40	51
KM4 / 5T	IR-05			0.01	0.7	40	72
M3T	IR-05			0.01	0.7	58	82
KM10a	IR-10			0.1	0.7	40	75
M10a	IR-10			0.1	0.7	58	58
MU52T	IR-10	0-10		0.01	0.7	58	37
M2X	IR-10			0.01	0.7	58	45
M2T	IR-10			0.01	0.7	58	59
M2 / 20T	IR-20	0-20		0.01	0.8	58	121
M2 / 25T	IR-25	0-25		0.01	0.8	58	123
M10c	IR-30	0-30		0.1	0.7	58	175
M2 / 30T	IR-30			0.01	0.8	58	127
M2 / 50T	IR-50	0-50		0.01	0.9	58	169
M2 / 80T	IR-80	0-80		0.01	0.9	58	355
M2 / 100T	IR-100	0-100		0.01	0.9	58	444

CLOCK INDICATORS IMPACT AND MOISTURE RESISTANT

Code	Type	Diap.	Strike Wet Wim.				D housing Price
			The price of the division	protection	protection	zusil. N	
		mm	mm				mm Euro
KM4S IR-3U		0-3	0.01	+		0.9	40 65
KM4XS IR-3U			0.01	+		0.9	40 91
M3S IR-5U		0-5	0.01	+		0.9	58 99
M2S IR-10U			0.01	+		0.7	58 112
M2XS IR-10U		0-10	0.01	+		0.7	58 52
MU52ST IR-10U			0.01	+		0.7	58 45
M2SW IR-10UV			0.01	+	+	0.9	61.5 128
M2 / 20S IR-20U		0-20	0.01	+		0.9	58 133
M2 / 25S IR-25U		0-25	0.01	+		0.9	58 135
M2 / 30S IR-30U			0.01	+		0.9	58 139
MU52 / 30ST IR-30U		0-30	0.01	+		0.8	58 115
M2 / 30SW IR-30UV			0.01	+	+	0.9	61.5 222
M2 / 50S IR-50U		0-50	0.01	+		0.9	58 175
M2 / 80S IR-80U			0.01	+		0.9	58 377

INDICATORS PRECISION IMPACT AND MOISTURE RESISTANT

Code	Type	Diap.	Strike Wet Wim.				D housing Price
			The price of the division	protection	protection	zusil.	
		mm	mm			H	mm 40 Euro
KM500T 1MIG			0.002			1.2	58 40 135
FM500T 1MIG			0.002			1.2	58 58 135
KM1000T 1MIG			0.001			1.2	61.5 80 142
FM1000T 1MIG		0-1	0.001			1.2	80 58 135
FM1000S 1MIG			0.001	+		1.2	58 61.5 149
FM1000SW 1MIG			0.001	+	+	1.2	80 80 212
FM1000 / 80T 1MIG			0.001			1.2	211
FM1000 / 80S 1MIG			0.001	+		1.2	209
FM1000 / 5T 5MIG			0.001			1.2	145
FM1000 / 5S 5MIG			0.001	+		1.2	169
FM1000 / 5SW 5MIG		0-5	0.001	+	+	1.2	232
FM1000 / 80-5T 5MIG			0.001			1.2	217
FM1000 / 80-5S 5MIG			0.001	+		1.2	232



- TU U 33.2-30291682-006: 2010
- State Register of Ukraine yU3071-10
- 100 best goods of Ukraine in 2013
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Kaefer standard
- Discreteness of 0.1 mm and 0.01 mm
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- DIN878, DIN879
- Impact and moisture resistant
- Discretion of 0,01 mm
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- DIN879
- Precision series of indicators
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)

INDICATORS

LARGE DIAMETER INDICATORS IMPACT AND MOISTURE RESISTANT

Code	Type	Diap.	Strike Wet Wim.				D Price
			The price of the division	protection	protection	zusil.	
		mm	mm			H	case mm Euro
GM80T IR-10			0.01			0.9	80 131
GM80S IR-10U			0.01	+		0.9	80 157
GM80SW IR-10UV		0-10	0.01	+	+	0.9	233
GM100T IR-10			0.01			0.9	100 165
GM100S IR-10U			0.01	+		0.9	100 182
GM10 / 80 IR-20		0-20	0.1			0.7	80 119
GM80 / 30T IR-30		0-30	0.01			0.9	80 199
GM100 / 30T IR-30			0.01			0.9	100 242
GM80 / 50T IR-50		0-50	0.01			0.9	80 255
GM100 / 50T IR-50			0.01			0.9	100 282
GM80 / 100T IR-100	0-100		0.01			0.9	80 485

END INDICATORS

Code	Diap.	D Scale Vim.zusil. case mm Euro				Price
		mm	mm		H	
SI-45R	0-0.4	0.01	20-0-20	1.5		40 154
SI-45 / 0.8R		0.01	40-0-40	1.5		40 165
SI90R	0-0.8	0.01	40-0-40	1.5		58 149
SI-18R	0-1.6	0.01	80-0-80	1.5		58 142
FM500R		0.002	0-100	1.5		58 215
FM1000R	0-1	0.001	0-100	1.5		58 210
KM4R	0-3	0.01		1.5		40 139
M2R		0.01		1.5		58 135
KM4 / 5R		0.01		1.5		40 143
M2 / 5R	0-5	0.01		1.5		58 143

IG INDICATORS INDICATORS

Code	Type	Diap.	Strike Scale				Zusil 's defense.	D housing Price
			The price of the division	protection				
		mm	mm				mm	Euro
101 10IG 101wa			0.01	25-0-25	+	-	H	62 188
10IG 505 5IG 502		0.5	0.01	25-0-25	+	IP53	1.4	62 214
2IG 1001 1IG			0.005	100-0-100	+	-	1.4	62 232
1001wa 1IG		0.2	0.002	100-0-100	+	-	1.4	62 232
			0.001	50-0-50	+	-	1.4	62 232
		0.1	0.001	50-0-50	+	IP53	1.4 1.4	62 259

INDICATORS OF DENTAL DISTRIBUTION

Code	Diap.	The Diameter of the indicator		Tip Price
		mm	mm	
				Euro
Saw standard 0-2		0.1	40	flat D 10 mm 82
Saw standard B 0-2		0.1	40	point 82
Saw standard C 0-2		0.1	40	flat D 4.8 mm 82
K 2/61 0-2		0.1	40	flat D 10 mm 105
K 2/61 B 0-2		0.1	40	point 105
K 2/61 C 0-2		0.1	40	flat D 4.8 mm 105



- DIN878
- Large body diameter
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- DIN878, DIN879
- End type
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- Kaefer standard
- type of IG
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- Kaefer standard
- Easy measurement of diluted teeth dust
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)

TIPS, ARRESTS AND EXTENDERS

AVAILABLE



DIGITAL INDICATORS

Code	Type	Diap. Diskr.	Error			Price
			class 1	class 0	class 1 class 0	
		mm	mm	mm		Euro
12012613y	ICC-13	0-13	0.01	± 0.020 ± 0.010	58 ± 0.008 ±	69
12012813y	1MIGC-13		0.001	0.005	149 169	
12012625y	ICC-25		0.01	± 0.020 ± 0.010	93 111	
12012825y	1MIGC-25	0-25	0.001	± 0.008 ± 0.005	199 219	
120126501	ICC-50		0.01	± 0.020	199	
120128501	1MIGC-50		0.001	± 0.010	299	
120126901	ICC-100	0-100	0.01	± 0.020	750	
120128901	1MIGC-100		0.001	± 0.012	950	

DIGITAL PRECISION INDICATORS 1MIGCP

Code	Type	Diap. Class Diskr.			Price error
		mm	mm	mm	
120128132 1MIGCP-13	0-13	00	0.001	± 0.003	239
120128133 1MIGCP-13		000	0.001	00	± 0.002 299
120128252 1MIGCP-25		0-25	0.001	0.001	± 0.003 259
1MIGCP-50 0-50		00		± 0.005	349

SUB-MICRON COMPUTER INDICATORS

Code	Type	Diap. Diskr.		Error	Communication	Price
		mm	mm			
120129132 1MIGC-12-0	0-12.5	0.0001		± 0.005	WIRELESS + USB	249
120129135 1MIGC-12-00				± 0.003	WIRELESS + USB	299
120129137 1MIGC-12-000				± 0.002	WIRELESS + USB	369
120129253 1MIGC-25-0	0-25.4			± 0.006	WIRELESS + USB	259
120129257 1MIGC-25-00				± 0.003	WIRELESS + USB	379
120129503 1MIGC-50-1				± 0.010	WIRELESS + USB	399
120129507 1MIGC-50-0	0-50.8	0.0005		± 0.004	WIRELESS + USB	499
120129907 1MIGC-100-1				± 0.015	WIRELESS + USB	1020
120129907 1MIGC-100-00				± 0.005	WIRELESS + USB	1270

LABORATORY COMPUTER INDICATORS

Code	Type	Diap. Diskr.		Error	Communication	Price
		mm	mm			
120129138 1MIGC-12-LAB	0-12.5	0.0001		± 0.0016	WIRELESS + USB	443
120129139 1MIGC-12-LABP				± 0.0012	WIRELESS + USB	507
120129258 1MIGC-25-LAB				± 0.002	WIRELESS + USB	479
120129259 1MIGC-25-LABP	0-25.4	0.0005		± 0.0016	WIRELESS + USB	599
120129508 1MIGC-50-LAB				± 0.003	WIRELESS + USB	630
120129509 1MIGC-50-LABP				± 0.0022	WIRELESS + USB	780

SUB-MICRON COMPUTER INDICATORS WITH EXTERNAL SENSOR

Code	Type	Diap. Diskr. Error Length Indication				Communication	Price
		mm	mm	mm	m		
120129133L 1MIGC-12-1	0-12.5	0.0001	± 0.005	2		computer	WIRELESS + USB 355
120129135L 1MIGC-12-0							WIRELESS + USB 439
120129137L 1MIGC-12-00							WIRELESS + USB 499
120129253L 1MIGC-25-1	0-25.4	0.0001	± 0.007	2		terized system	WIRELESS + USB 399
120129257L 1MIGC-25-0							WIRELESS + USB 615
120129503L 1MIGC-50-1							WIRELESS + USB 499
120129507L 1MIGC-50-0	0-50.8	0.0001	± 0.004	2		MICS	WIRELESS + USB 585
120129907L 1MIGC-100-00							WIRELESS + USB 1199

PROFILES OF LINEAR MOVEMENTS

Code	Type	Diap. Diskr.	Error		Measurement, force H	Supply	Display Price
			mm	microns			
76401190220 IKF 100D 103	0.06 ± 0.3	0.01	0.01	0.01	0.01	4.3 "	12620
76387620225							4830

0.01μm



CALIBRATION ACCORDING TO ISO 17025



PRODUCTION FOR ISO 9001: 2015



• STP MK 15.06.005.MTU

- Digital display
- Discreteness of 0.001 mm
- Functions: PR / NO, Max / Min, Basic value.
- State Register of Ukraine yU3071-10
- 100 best goods of Ukraine in 2013
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



• STP MK 15.06.005.MTU

- Reinforced aluminum housing
- Functions: PR / NO, Max / Min, Basic value.
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



• STP MK 15.06.005.MTU

- Case of precision indicators from aluminum
- Modification with a separate display unit
- Discreteness of 0.1 microns
- Computerized MICS display system (Memory, Statistics, measurement error compensation Limits (PR / NOT), Max / Min, 0.1μm formula, built-in battery)
- Wireless data transmission • 100% metrological control on an automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Steinmeyer standard
- Incremental probes of linear displacements
- Complete with PU26 display
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)



DIGITAL PRECISION INDICATORS

Code	Diap. Diskr.	Error Protection Indication			Communication	Price
		mm	mm	mm		
805.4121	0-12.5	0.01	0.010	IP-51	digits mini	RS-232 299
805.6121					WIRELESS	416
805.1201		0.001	0.004	IP-51	digits	RS-232 365
805.5307					digit-analog	RS-232 592
805.5305					IP-67	RS-232 625
805.6301	0-25	0.01	0.010	IP-51	digits	WIRELESS 689
805.1401					RS-232	399
805.1501		0.001	0.005	IP-51	digits	RS-232 469
805.5507					digit-analog	RS-232 644
805.5505					digits digits	RS-232 695
805.6501	0-50	0.01	0.020	IP-51	digits digits	WIRELESS 739
805.1601					RS-232	684
805.1621		0.001	0.007	IP-51	digits digits	RS-232 733
805.5625					digits digits	RS-232 1196
805.6621					digits digits	WIRELESS 913
805.5641	0-100	0.01	0.020	IP-54	digits	RS-232 1210
805.5661					IP-54	RS-232 1300
805.6661		0.001	0.006	IP-54	WIRELESS	1486
805.5671					RS-232	1566
805.5681					IP-54	RS-232 1750

SUBMICRON INDICATORS S_Dial WORK NANO

Code	Diap. Diskr.	Communication Protection Error			Price indication
		mm	mm	mm	
805.5306	0-12.5	0.0001	0.0018	IP-54	RS-232 digits 755
805.6306		0.0001	0.0018	IP-54	WIRELESS digits 895
805.6307		0.0001	0.0018	IP-54	WIRELESS analog- 959
805.5506	0-25	0.0001	0.0022	IP-54	RS-232 digit 814
805.6506		0.0001	0.0022	IP-54	WIRELESS digits 959
805.6507		0.0001	0.0022	IP-54	WIRELESS digit-analog 1030
805.8501		0.0001	0.0013	IP-54	RS-232 digits 1489
805.8601		0-50 0.0001	0.0015	IP-54	RS-232 1840 digits 2210
805.8662			0.0022	IP-54	RS-232 digits

PROFILES OF LINEAR MOVEMENTS

Code	Type	Diap.	Again			Measurement, effort	Price protection
			toughness	Nonlinearity	Vacuum		
		mm	μm				Euro
P2I	inductive	± 2	0.15	0.5%		H	IP-65 449
P2IP		± 2	0.15	0.5%	+	0.7	IP-65 565
P5I		± 5	0.15	0.5%			IP-65 578
P5IP		± 5	0.15	0.5%	+	0.18-2.5 0.7 0.18-2.5	IP-65 599

Code	Type	Diap.	Again			Measurement, effort	Price protection
			ruemist	Vacuum	effort		
		mm	μm				Euro
P5	capacitive	5	11	0.2	option	H 0.6-1.2	IP-64 715
P5V		5	1	0.2	+	0.6-1.2	IP-64 733
P10		10		0.2	option 0.6-0.8	0.6-1.2	IP-40 1150
P10S		10		0.2	option 0.7-1.2	0.7-1.2	IP-40 1215
P10LS		10	1	0.2	Repeat Measurement.		IP-50 1350
P25S		25	1.2	0.2			IP-40 1760

Code	Type	Diap. Diskr. Rupture error			Communication	Price
		mm	mm	0.01		
801.1012 P12D EN USB 12.7 801.1018	P12D EN USB CF ± 2 801.2012 P12D	0.1	0.6	0.08	H 0.2-0.3	USB 1470
801.2012 P12D EN USB CF ± 2 801.2012 P12D					0.08	USB 1525
801.2017 P12D USB LF ± 5					0.4-0.8	USB 1399
				0.2	0.2-0.3	USB 1465

DISPLAYS TO THE TAILORS OF LINEAR MOVEMENTS

Code	Compatible probes	Several. channels	Diskr.	Display	Price
			μm		Euro
D70I	inductive	2	0.01	4.3 "touch screen	
D50S	capacitive	2	0.1	digital	
D50SPRO	capacitive	2	0.1	digital	
D70S	capacitive	2	0.01	4.3 "touch screen	
D300S-4	capacitive	4 + 32	0.1	8.5 touch display	

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995



- Sylvac standard
- Digital or digital-analog display
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- Sylvac standard
- Discreteness of 0.1 microns
- Digital or digital-analog display
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- Sylvac standard
- For use in linear measurement systems
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- Sylvac standard
- To indicate the linear movements of the probes
- It is possible to connect displays to a PC
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)

INDICATORS

LEVER-TEETH INDICATORS

Code	Type	Diap.	The Error				Price	
			price of the division	class 1 class 0		Effort	class 1 class 0	
		mm	mm	mm	mm	N	Euro Euro	
120310082	IRB	0-0.8	0.01	± 0.015	± 0.010	0.4	46 55	
120310322	IRBB -1.6 - +1.6		0.01	± 0.020	± 0.012	0.4	99 120	
120310022	IRBPT 0-0.2		0.002	± 0.010	± 0.008	0.4	95 114	

LEVER-TEETH INDICATORS

Code	Type	Diap.	Price division	Scale	Leg	Diameter	Price
		mm	mm			mm	mm Euro
K30	IRB	0-0.8	0.01	0-40-0	12.8	32	105
K40AD	IRB		0.01	0-40-0	12.8	40	123
K30 / 1	IRB	0-1.0	0.01	0-50-0	16.6	32	127
K40 / 2	IRB		0.02	0-100-0	35.7	40	188
0-2.0							
K36	IRBPT		0.002	0-100-0	12.8	32	133
K46	IRBPT	0-0.2	0.002	0-100-0	12.8	40	141
K49AD	IRBPT		0.001	0-100-0	12.8	40	158

LEVER-GEAR DIGITAL INDICATORS

Code	Type	Diap.	Diskr.	Error	Protection	Probe	Price
		mm	mm				mm Euro
805.4321	IRBC-0.8	0-0.8	905.4322	0.001	0.010	IP65	12.5 444
IRBC-0.5	0-0.5			0.001	0.010	IP65	36.5 482

LEVER-TOOTH INDICATORS COMPUTERIZED

Code	Type	Diap.	Diskr.	Error	Communication	Price
		mm	mm			Euro
120129018	IRBK-1			0.0001	± 0.005	WIRELESS + USB 279
120129038	IRBK-3	mm 0-1 -1.6 - +1.6		0.0001	± 0.010	WIRELESS + USB 333

INDICATOR FOR CRANKSHAPS

Code	Type	Diap.	Price division	Error	Indication	Communication	Price
		mm	mm	mm			Euro
126050007	ICHK-500	100-500	0.0001	± 0.020	computer rized	WIRELESS + USB 707	

CENTER SEARCH



Code	Type	Diap.	The division	Probes	Indication	Communication	Price
127000030	Ct-3		price is 0.04	straight (45, 100, 154mm); curved (45, 100, 154mm);	analog.	-	180
12705040407	CEC-3	0-3.5	0.0001	centering 52.5 mm	computerization.	WIRELESS + USB 424	



- TU U 33.2-30291682-006: 2010
- State Register of Ukraine yU3071-10
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- DIN 2270
- Standard and precision modifications
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



- DIN 878
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



- STP MK 15.06.005.MTU
- Discreteness of 0.1 microns
- Computerized display system • Wireless data transmission • 100% metrological control on an automated calibration stand

- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 04.07.001 MTU
- Computerized indicator
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 04.07.001 MTU
- Computerized or analog indicator
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

RADIOMETERS

RADIOMETERS



Code	Type	Measurement	Diskr.	Range	Error	Indication	Communication	Price
			mm	mm		%		Euro
1250511000	RIC-1000		0.001	5-1000	1	digital		380
1250511008	RIK-1000	External and	0.0001		1		WIRELESS + USB	680
1250511307	RIK-5500	Internal	0.0001	225-5500	0.3-1	computer	WIRELESS + USB	1985
1250511507	RIC -15600		0.0001	625-15600	0.3-1		WIRELESS + USB	2255
1250511006	RIKZ-1000	External	0.0001	100-1000	1		WIRELESS + USB	555

RADIOMETERS FOR LARGE RADIUSES

Code	Measurement	Range	Base	Error	Communication	Price
		mm	mm	mm		Euro
1250530256		60-2550	600	0.1%	WIRELESS + USB 1420	
1250531156	External	100-11200	1200	0.1%	WIRELESS + USB 1930	
1250533356		200-32200	2000	0.1%	WIRELESS + USB 2520	

COMPUTER SPHEROMETER

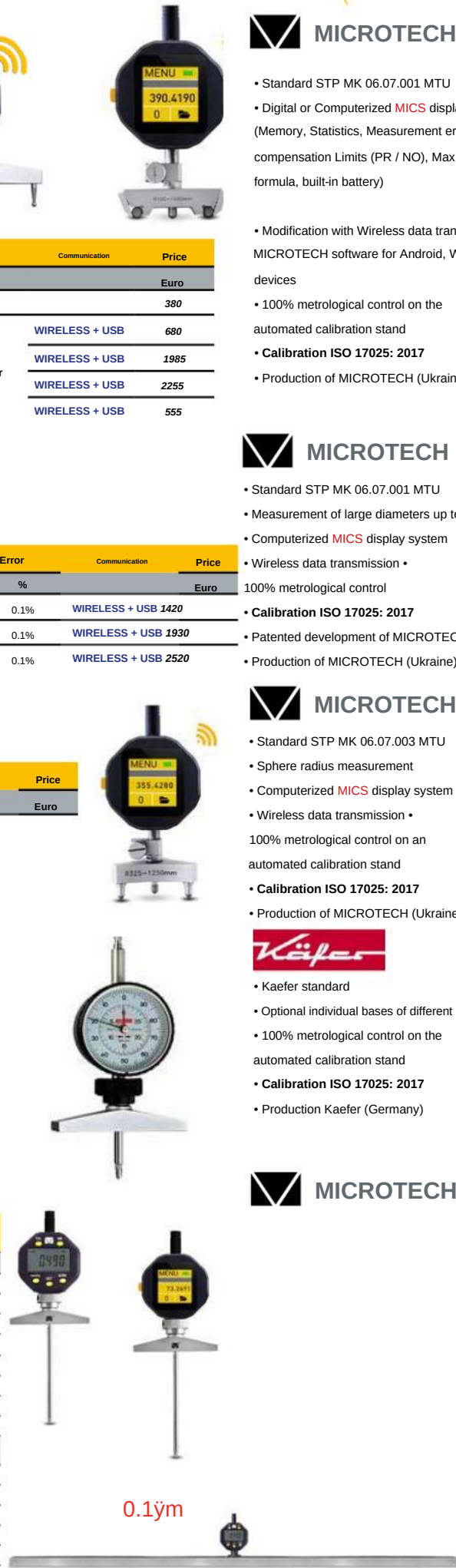
Code	Type	Measurement	Diskr.	Range	Indication	Communication	Price
			mm	mm			Euro
1250511007	yyyy-1250	External	0.0001	320-1250	computer	WIRELESS + USB 595	

DEPTH GAUGE INDICATORS

Code / Type	Diap.	Diskr.	Error	Effort	Indication	Price
	mm	mm	mm			Euro
TM2	0-10	0.01	± 0.017	H	analog.	176
TM2 / 30	0-30	0.01	± 0.022	2.0	analog.	249
TMD12	0-12	0.01	± 0.020	2.0 2.0	digital	475
VARIABLE MEASUREMENT VARIABLES (without indicator)						
TB100			Base 100x16			84
TB150			Base 150x20			132
TB200			Base 200x20			266
TB300			Base 300x25			645

DEPTH GAUGE INDICATORS

Code	Type	Disc indicator.	Error	Base	Type	Diap.	Communication	Price
				mm	mm	mm		Euro
128000010	GI-10		± 0.012	80		74		
128000030	GI-30	analog.	0-30	0.01	± 0.018	80	122	
128000211	GIC-13		0-13	0.01	± 0.010	80	114	
128000221	GIC-25		0-25	0.001	± 0.012	80	156	
128000210	GICPT-13	digital	0-13	0.001	± 0.004	80	214	
128000220	GICPT-25		0-25	0.001	± 0.006	80	264	
128000710	GIC -13		0-13	0.0001	± 0.003	80	WIRELESS + USB 344	
128000720	GIC -25	computer	0-25	0.0001	± 0.005	80	WIRELESS + USB 414	
VARIABLE MEASUREMENT VARIABLES (without indicator)								
128001080			flat base 80x16					45
128001088			V-shaped base 80x16 flat					65
128001150			base 150x20 flat base					79
128000005			500 flat base 1000 flat					330
128000010			base 2000					650
128000020								1420



- Standard STP MK 06.07.001 MTU
- Digital or Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)

- Modification with Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 06.07.001 MTU
- Measurement of large diameters up to 32 mm
- Computerized MICS display system
- Wireless data transmission • 100% metrological control
- Calibration ISO 17025: 2017
- Patented development of MICROTECH 2019
- Production of MICROTECH (Ukraine)



- Standard STP MK 06.07.003 MTU
- Sphere radius measurement
- Computerized MICS display system
- Wireless data transmission • 100% metrological control on an automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Kaefer standard
- Optional individual bases of different lengths
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)



PRECISION STEEL STAND

Code	Type	Coffee table details	Height	Diam.	Planes. D Supply	Weight Price	
		mm	mm	mm	mm	mm	kg Euro
161001010	C-III-100	D58	100	25	3	8	- 2.8 89
161001110	C-III-125T	D58	125	25	3	8	+ 4.25 169
161001120	C-III-300	D58	300	25	3	8	+ 5 289
161001020	C-IV-150	150x100	200	28	3	8	- 7.8 149
161001150	C-IV-110T	110x110	180	30	3	8	+ 8 185
161001170	C-IV-150T	150x150	300	35	3	8	+ 14.5 299
161001190	C-IV-145T	145x100	130	30	3	8	+ 8 120

PRECISION STEEL STANDS

Type	Height	Diam.	Table	The roughness	Planes. bases	Price
	of details	columns	mm	of the base Ra	mm	Euro
P 6	100	22	65x60		<4.0	225
P 7	100	22	D 50		<4.0	227
P 9	150	28	98y115	Ra 0.1 μm	<1.0	590

PRECISION CERAMIC STANDS

Type	Height	Diam.	Table	The roughness	Planes. bases	Price
	of details	columns	mm	of the base Ra	mm	Euro
P 6K	100	22	65x60	Ra 0.1 μm	<1.0	790
P 7K	100	22	D 50	Ra 0.1 μm	<1.0	565

PRECISION GRANITE STAND

Code	Table type	Height of details	Diam. columns	Planes. D bases	Supply fastener	Weight	Price
	mm	mm	mm	ym	mm		kg Euro
161001210	CG-150 150x100	180	16	3	8	-	3 79
161001230	CG-250 250x150	200	35	3	8	+	10 219
161001260	CG-400 400x300	200	35	5	8	+	35 360

GRANITE PRISMS

Type	Dimensions of D shafts Non-parallel. Material			The price of the pair
	mm	mm	mm	Euro
TRC420-5620	70x70x50	6-75	0.005	granite 450
TRC420-5640	100x70x50	6-99	0.005	granite 590

STEEL PRISMS

Type	Dimensions	D shafts	Unparalleled. Material	The price of the pair
	mm	mm	mm	Euro
TRC420-5420	35x35x30	3-16	0.005	steel 85
TRC420-5430	60x60x50	5-34	0.005	steel 144
TRC420-5440	105x105x78	8-66	0.005	steel 299

CAST IRON PRISM

Type	Dimensions	Material	Price
	mm		Euro
P303012	300x300x120	cast iron	595

MICROTECH

- Standard STP MK 09.06.006 MTU
- Reinforced precision steel struts
- Hardness of the HRC 60 workbench
- For mounting indicators and probes
- Possible production of racks of special configurations
- Modifications with precise supply
- Production of MICROTECH (Ukraine)

Kaifer

- Kaifer standard
- Rack with precision steel base
- For mounting indicators and probes
- Production Kaifer (Germany)

Kaifer

- Kaifer standard
- Rack with precision ceramic base
- For mounting indicators and probes
- Production Kaifer (Germany)

MICROTECH

- Standard STP MK 09.06.006 MTU
- Base from high-quality rigid granite
- For fastening of indicators and probes
- Modifications with precise supply
- Production of MICROTECH (Ukraine)

TRC group

- TRC standard
- Sets of granite prisms
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRC-group (Italy)

TRC group

- TRC standard
- Sets of steel prisms
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRC-group (Italy)

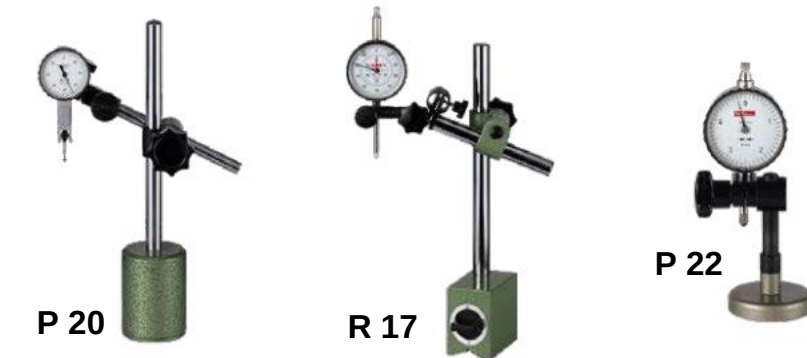
MICROTECH

- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MAGNETIC TRANDS

Code	Type	The				Price
		Detachment effort	Dimensions of the rack rod base			
		kgf	mm	mm	mm Euro	
161108000	CMM-IH2	80	170 Ø12	120 Ø10	50y60y55	30
161108250	SHM-IH-250	80	250 Ø12	120 Ø10	50y60y55	79
161108350	yy -IIy-350	130	355 Ø16	200 Ø12	50y120y55	85
161113410	yy -IIy-400	130	400 Ø25	250 Ø18 50x120x55	159	
161113610	yy -IIy-630	130	630 Ø32	400 Ø25 50x120x55	212	
161126210	yy -IIy-800	260	800 Ø51	500 Ø32 200x120x70	289	
161126310	yy -IIy-1000	260	1000 Ø51	600 Ø32 200x120x70	329	
161152410	yy -IIy-1250	390	1250 Ø76	700 Ø51 250x120x80	544	
161152510	yy -IIy-1500	520	1500 Ø76	800 Ø51 250x250x80	649	

MAGNETIC TRANDS



Code	Detachment effort	The racks	The dimensions of the rod	foundations	Basis	Price
	kgf	mm	mm	mm		Euro
R 17	45	220 Ø16	180 Ø16	70x65x46	flat flat	350
R 18	18	46 49	35 35	73x11x46		85
R 19	18	140	130	72x26x59	prismatic	144
R 20	15	Ø10 40	Ø8 13	D40	flat	199
R 22	13	Ø8		D40		64

MAGNETIC-BASED STAND FLEXIBLE

Code	Type	Detachment effort	Dimensions	Price
		kgf	Height Base	mm Euro
161208010	MS-29S	80	380	50y60y55 36
161213010	MS-29S2	130	380	50y60y55 99

MAGNETIC-BASED STAND HINGED

Type	Detachment effort	Dimensions	Price
	kgf	Height Basis	mm Euro
P 280	45	280	70x65x46 330

MAGNETIC-BASED STAND HINGED

Code	Detachment effort	Dimensions	Price
	kgf	Height Basis	mm Euro
1611080300	80	300	50y60y55 45

MAGNETIC PRISMS

Type	Dimensions	D shafts	Unparalleled	Separation	Euro
	mm	mm	mm	kgf	price
TRC420-5520	70y60y73	6-44	0.01	56	115
TRC420-5530	120y70y95	6-67	0.01	125	232

MICROTECH

- Standard STP MK 09.06.006 MTU
- Reinforced tripod design
- Increased separation force of 80-520 kg
- Production of non-standard magnetic tripods to order
- Production of MICROTECH (Ukraine)

Kaifer



- Kaifer standard
- Tripods of special configurations for fastening of indicators and probes
- Production Kaifer (Germany)

MICROTECH

- Standard STP MK 09.06.006 MTU
- Increased breaking force of 80 or 130 kg
- Production of MICROTECH (Ukraine)

Kaifer

- Kaifer standard
- Robust hinged construction
- Production Kaifer (Germany)

MICROTECH

- Standard STP MK 09.06.006 MTU
- Increased separation force
- Robust hinged construction
- Production of MICROTECH (Ukraine)

TRC group

- TRC standard
- Individual magnetic prisms
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRC-group (Italy)

INDOMETER INDICATORS

INDOMETER INDICATORS

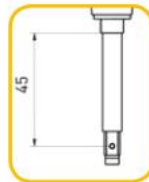


MICROTECH

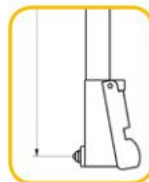
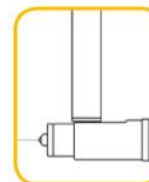


- TU U 33.2-30291682-003-2004
- State Register of Ukraine ýU2073-09
- Analog IR indicator installed
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

Code	Type	Diap. Depth	ANALOGUE				DIGITAL				COMPUTER				Price
			discreteness of 0.01 mm				discreteness 0.01 mm				discreteness 0.0001 mm				
			Error Price class 2 class 1				Error Price Error Price Error				Communication				
			class 2	class 1			mm	Euro	mm	Euro	mm	Euro	mm	Euro	
131003100	NI-3	2.3-3.8	45		0.008 ± 0.012 ± 0.008	360 ±				± 0.003	570 ± 0.003	WIRELESS + USB	660		
131009100	NI-9	4.3-9.7	45		± 0.012 ± 0.008	100 ±				± 0.003	570 ± 0.003	WIRELESS + USB	660		
131010100	ýý-10	6-10	45		± 0.015 ± 0.012	78 ±	± 0.012	230		± 0.003	380 ± 0.003	WIRELESS + USB	480		
131018100	ýý-18	10-18	45		0.012 ± 0.012 ± 0.018 ± 0.015	78 ±	± 0.008	220		± 0.003	370 ± 0.003	WIRELESS + USB	470		
131050100	NI-50	18-50	150		0.015 ± 0.015 ± 0.015 ± 0.018 ±		± 0.012	195		± 0.003	345 ± 0.003	WIRELESS + USB	445		
131050111			500		0.015 ± 0.015 ± 0.015 ± 0.012	520 ±		± 0.004	559 ± 0.004	WIRELESS + USB	659				
131050122			1000		± 0.017	± 0.012	650 ±		± 0.004	750 ± 0.004	WIRELESS + USB	870			
131050144			2000			0.012	95 ± 0.015	750		± 0.005	900 ± 0.005	WIRELESS + USB	1000		
131160100			150			0.015	520 ± 0.015	195		± 0.003	345 ± 0.003	WIRELESS + USB	448		
131160111	NI-160	50-160	500			650 ± 0.015	98 ±	409		± 0.004	559 ± 0.004	WIRELESS + USB	688		
131160122			1000		0.015	338 ± 0.015	620		± 0.004	760 ± 0.004	WIRELESS + USB	900			
131160144			2000			550 ± 0.015	690 ± 0.015	750		± 0.005	910 ± 0.005	WIRELESS + USB	1040		
131250100			200			± 0.022 ± 0.022 ± 0.025	198		± 0.005	360 ± 0.005	WIRELESS + USB	470			
131250111			500			± 0.030 ± 0.030	438		± 0.006	589 ± 0.006	WIRELESS + USB	715			
131250122	NI-250	160-250	1000			± 0.030 ± 0.035	650		± 0.006	800 ± 0.006	WIRELESS + USB	940			
131250144			2000			± 0.030	1195 ± 0.030	790		± 0.007	940 ± 0.007	WIRELESS + USB	1100		
131450100			200	± 0.022	120		1350	220		± 0.008	380 ± 0.008	WIRELESS + USB	480		
131450111			500	± 0.022	365		1338 ±	465		± 0.009	615 ± 0.009	WIRELESS + USB	715		
131450122			1000	± 0.025	590		0.035	690		± 0.009	840 ± 0.009	WIRELESS + USB	940		
131450144	NI-450	250-450	2000	± 0.030	750		1499	850		± 0.010	1000 ± 0.010	WIRELESS + USB	1100		
131800200			400	± 0.030	410			550		± 0.009	728 ± 0.009	WIRELESS + USB	825		
131800222			1000	± 0.030	872			935		± 0.011	1121 ± 0.011	WIRELESS + USB	1214		
131800244			2000	± 0.035	1064			1190		± 0.012	1327 ± 0.012	WIRELESS + USB	1371		
131900100			400	± 0.030	535			665		± 0.012	831 ± 0.012	WIRELESS + USB	921		
131900122	NI-1000	700-1000	1000	± 0.030	EXTENDED RANGE					± 0.014	1514 ± 0.014	WIRELESS + USB	1585		
131900144			2000	± 0.035						± 0.015	1728 ± 0.015	WIRELESS + USB	1828		
131110X00	NI-100R	10-100	45	± 0.015	-	557	-	± 0.015	638	± 0.003 ± 0.003	574	WIRELESS + USB	850		
131220X00	NI-200R	20-200	500	± 0.015	-	257	-	± 0.015	336	± 0.003	507 ± 0.003	WIRELESS + USB	572		
131224X00	NI-250R	50-250	500	± 0.015	-	222	-	± 0.015	307	± 0.003	460 ± 0.003	WIRELESS + USB	548		
131225X00	NI- 250U	18-250	500	± 0.020	-	587	-	± 0.020	659	± 0.003	801 ± 0.003	WIRELESS + USB	880		
131951X00	NI-1500	130-1500	500	± 0.025	-	1792	-	± 0.025	1878	± 0.008	2010 ± 0.008	WIRELESS + USB	2085		



6-10 mm

10-18 mm
18-50 mm

over 50 mm

INDOMETER INDICATORS

NUTROMERS INDICATOR TRANSFORMERS EXTREMELY



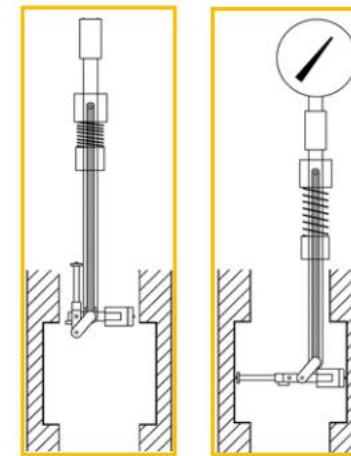
Code	Type	Diap. Disc Depth , Module Error					Communication	Price
		mm	mm	mm	mm	pcs		
131050745	NIT-50	35-50	3000	0.0001	± 0.012	2	WIRELESS + USB	1530
131160745	NIT-160	50-160	3000	0.0001	± 0.010	2	WIRELESS + USB	1491
131160755		85-160	5000	0.0001	± 0.012	3	WIRELESS + USB	2200
131250745	NIT-250	160-250	3000	0.0001	± 0.012	2	WIRELESS + USB	1444
131250755			5000	0.0001	± 0.017	4	WIRELESS + USB	2385
131260770	NIT-260	105-260	7000	0.0001	± 0.020	4	WIRELESS + USB	4171
131260790			10000	0.0001	± 0.020	5	WIRELESS + USB	6090
131450745	NIT-450	250-450	3000	0.0001	± 0.017	2	WIRELESS + USB	1507
131450755			5000	0.0001	± 0.020	4	WIRELESS + USB	2399
131450790			10000	0.0001	± 0.025	5	WIRELESS + USB	6757
131800745	NIT-800	400-800	3000	0.0001	± 0.020	2	WIRELESS + USB	1835
131800755			5000	0.0001	± 0.025	4	WIRELESS + USB	3167
131900745	NIT-1000	700-1000	3000	0.0001	± 0.025	2	WIRELESS + USB	2100
131900755			5000	0.0001	± 0.030	4	WIRELESS + USB	3385
131990770	NIT-1000 + 400-1000		7000	0.0001	± 0.040	4	WIRELESS + USB	6028
131900790			10000	0.0001 0.0001	± 0.045	5	WIRELESS + USB	7157



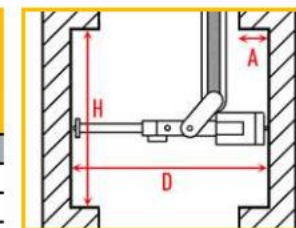
INDICATORS INDICATOR THROAT



ENTRY MEASUREMENT



Code	Type	Diap. Depth	ANALOGUE		DIGITAL		COMPUTER		
			discreteness of 0,01 mm		discreteness of 0,001 mm		discreteness 0.0001 mm		
			Error	Price	Error	Price	Error	Price	
			Communication						
		mm	mm	Euro	mm	Euro	mm	Euro	
139160y00	NIV-160	70-160	150	± 0.020	1080	± 0.015	1380	± 0.012	WIRELESS + USB 1380
139160y11			1000	± 0.030	1505	± 0.025	1805	± 0.020	WIRELESS + USB 1805
139160y22			2000	± 0.035	2232	± 0.030	2520	± 0.025	WIRELESS + USB 2520
139160y33			3000	± 0.040	2805	± 0.035	3090	± 0.030	WIRELESS + USB 3090
139250y00	NIV-250	160-250	150	± 0.020	1097	± 0.015	1397	± 0.012	WIRELESS + USB 1397
139250y11			1000	± 0.030	1524	± 0.025	1824	± 0.020	WIRELESS + USB 1824
139250y22			2000	± 0.035	2252	± 0.030	2540	± 0.025	WIRELESS + USB 2540
139250y33			3000	± 0.040	2967	± 0.035	3252	± 0.030	WIRELESS + USB 3252
139450y00	SIC-450	250-450	150	± 0.030	2188	± 0.015	2488	± 0.012	WIRELESS + USB 2488
139450y11			1000	± 0.030	2645	± 0.025	2945	± 0.020	WIRELESS + USB 2945
139450y22			2000	± 0.035	2878	± 0.030	3787	± 0.025	WIRELESS + USB 3787
139450y33			3000	± 0.040	3501	± 0.035	4592	± 0.030	WIRELESS + USB 4592



max A = 20mm

min H = D-30mm



MICROTECH



- TU U 33.2-30291682-003-2004
- Patented sliding design for measuring in hard-to-reach places
- Modifications with a depth of up to 3 meters
- Analog, Digital or Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Modification with Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- 100% metrological control n
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

NUTROMETERS MICROMETRIC

NUTROMIMERS MICROMETRIC THREE-POINT



Code	Type	Diap.		C.p. Error		Depth	Price	
		mm	mm	mm	mm		mm	Euro
133100210	yyy-2 2-2.5	133100310	yyy-3	0.001	± 0.004	22.5	478	
2.5-3	133100410	yyy-4 3-4	133100510	yyy-5	0.001	± 0.004	22.5	478
4-5	133100610	yyy-6 5-6	133100810	yyy-8	0.001	± 0.004	22.5	345
6-8	133101010	yyy-10 8-10	133101110	yyy-11	0.001	± 0.004	22.5	345
12-10-12	133101610	yyy-16 12-16	133101710	yyy-17	0.001	± 0.004	22.5	345
133102010	yyy-20 16-20	133102510	yyy-25	0.001	± 0.004	154	325	
20-25	133103010	yyy-30 25-30	133103110	yyy-31	0.001	± 0.004	154	325
133104010	yyy-40 30-40	133105010	yyy-50	0.001	± 0.004	154	325	
40-50	133107010	yyy-70y 50-70	133107110	yyy-71	0.005	± 0.005	230	262
133107010	yyy-100y 70-100	133107110	yyy-101	0.005	± 0.005	230	262	
				0.005	± 0.005	240	345	
				0.005	± 0.005	240	345	
				0.005	± 0.005	247	422	
				0.005	± 0.005	247	422	
				0.005	± 0.005	293	525	
				0.005 0.005	± 0.005	293	620	



- Standard STP MK 15.11.036 MTU
- TUU 33.2-30292682-005: 2010
- Self-centering design
- Complete with extension cord and calibration ring
- State Register of Ukraine yU2073-09
- Analog indication
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 15.11.036 MTU
- TUU 33.2-30292682-005: 2010
- Self-centering design
- It is completed with an extension and a calibration ring (to 200 mm)
- State Register of Ukraine yU2073-09
- Digital display
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Standard STP MK 04.10.010 MTU
- Discreteness of 0.1 microns
- Self-centering design
- It is completed with an extension and a calibration ring (to 200 mm)
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

NUTROMETERS MICROMETRIC

NUTROMETERS MICROMETRIC THREE-POINT (gun)



0.1 ym

Code	Diap.		Diskr. Error		Depth	Along Price	
	mm	mm	mm	mm		mm	Euro
133500810	6-8	0.0001 ± 0.003	0.0003	50	100	622	
133501010	8-10	0.001 ± 0.003	132516610	50	100	615	
133501210	10-12	0.001 ± 0.003	150	641	50	100	636
				65			
133502010	16-20	0.0001 ± 0.003	150	662	65		
133502510	20-25	0.0001 ± 0.003	150	687	91		
133503010	25-30	0.0001 ± 0.003	91	150	715		
133504010	30-40	0.0001 ± 0.003	97	150	747		
133505010	40-50	0.0001 ± 0.004	97	150	779		
133506310	50-63	0.0001 ± 0.004	112	150	812		
133507510	62-75	0.0001 ± 0.004	112	150	847		
133508810	75-88	0.0001 ± 0.004	112	150	884		
133510010	87-100	0.0001 ± 0.004	112	150	924		
133512510	100-125	0.0001 ± 0.004	130	150	903		
133515010	125-150	0.0001 ± 0.004	130	150	999		
133517510	150-175	0.0001 ± 0.004	130	150	1117		
133520010	175-200	0.0001 ± 0.004	130	150	1266		
133522510	200-225	0.0001 ± 0.006	130	150	1434		
133525010	225-250	0.0001 ± 0.006	130	150	1640		
133527510	250-275	0.0001 ± 0.006	130	150	1888		
133530010	275-300	0.0001 ± 0.006	130	150	2098		
SETS OF NUTROMERS OF MICROMETRIC THREE-POINT							
133570612	6-12		base, 3 heads, 3 rings	base, 2			1276
133571220	12-20		heads, 1 ring	base, 4 heads, 2			1047
133572050	20-50		rings	base, 4 heads, 2 rings			1989
133575090	50-100						2350



- STP standard
- Self-centering pistol-type design
- High speed of measurements
- Discreteness of 0.1 microns
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- Big savings when ordering kits
- 100% metrological control on the automated calibration stand
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

NUTROMETERS MICROMETRIC DIGITAL THREE-POINT



Code	Type	Diap.		Diskr.	Error		Depth	Price	
		mm	mm		mm	mm		mm	Euro
133200210	NMMC-2.5 2-2.5	0.001	133200310			± 0.004	12.5	750	
	NMMC-3 2.5-3	0.001	133200410	NMMC-4 3-4	0.001	± 0.004	12.5	750	
133200510	NMMC-5 4-5	0.001	133200610	NMMC-6		± 0.004	22.5	630	
133200810	NMC-8 6-8	0.001	133201010	NMTTC-10		± 0.004	22.5	630	
133201210	NMTC-12 10-12	0.001	133201610	NMTTC-16	0.0006	± 0.004	22.5	630	
133202010	NMTC-20 16-20	0.001	133202510	NMTTC-25	0.0005	± 0.006	154	555	
133203010	NMTC-30 25-30	0.001	133204010	yyy-40		± 0.006	154	555	
133205010	yyyy-50 40-50	0.001	133207010	yyy-70y		± 0.006	154	555	
50-70	0.001	133210010	yyyy-100y 70-100	0.001		± 0.006	230	545	
133215010	yyyy-150y 100-150	0.001	133225010	yyyy		± 0.006	230	545	
-250	133230010	NMTC-300R 200-300	0.001			± 0.006	240	562	
						± 0.006	240	562	
						± 0.006	247	633	
						± 0.006	247	686	
						± 0.006	250	799	
						± 0.006	250	1095	
						± 0.007	250	1280	
						± 0.008	250	2720	
						± 0.009	250	4480	

NUTROMERS MICROMETRIC SUB-MICRONIC THREE-POINT

Patent UA y99688



0.1 ym

EXTENSIONS UP TO 3m ON ORDER

Code	Type	Diap.		Diskr.	Error		Depth	Price	
		mm	mm		mm	mm		mm	Euro
133700210	yyyy-2.5 133700310	2-2.5	0.0001		± 0.004	12.5	1035		
yyyy-3	133700410	yyyy-4	2.5-3	0.0001	± 0.004	12.5	1035		
133700510	yyyy-5 133700610	3-4	0.0001		± 0.004	22.5	855		
yyyy-6	133700810	yyyy-8	4-5	0.0001	± 0.004	22.5	855		
133701010	yyyy-10 133701210	5-6	0.0001		± 0.004	22.5	855		
yyyy-12	133701610	yyyy-16	6-8	0.0001	± 0.004	154	789		
133701610	yyyy-16 133	8-10	0.0001		± 0.004	154	789		
						± 0.004	154	789	
						± 0.004	230	789	
						± 0.004	230	789	
						± 0.004	240	789	
133703010	NMTC-30 25-30	0.0001	133704010	NMTC-40		± 0.004	240	789	
133705010	yyyy-50 40-50	0.0001	133707010	yyy-70y		± 0.004	247	855	
133710010	yyyy-100y 70-100	0.0001	133712010	yyy-120y 100-150		± 0.004	247	956	
133725010	yyyy-250y 150-250	0.0001	133730010			± 0.005	250	1035	
yyyy-300y	200-300	0.0001	133750010	yyyy-500y 200-500		± 0.005	250	1405	
0.0001	133790010	yyyy-1000y 200-1000	0.0001			± 0.005	250	1605	
						± 0.006	250	2963	
						± 0.007	250	3810	
						± 0.008	650	6420	
						± 0.011	1150	7440	



- Standard STP MK 04.10.010 MTU
- Discreteness of 0.1 microns
- Self-centering design
- It is completed with an extension and a calibration ring (to 200 mm)
- Computerized MICS display system (Memory, Statistics, Measurement error compensation Limits (PR / NO), Max / Min, formula, built-in battery)
- Wireless data transfer from MICROTECH software for Android, Windows, iOS devices
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

NUTROMIMERS MICROMETRIC PRECISION THREE-POINT



Code	Diap.	Diskr.	Error	Depth.	Price	
					mm	Euro
950.5006	2-2.5	0.001	1896	0.004	9	
950.5007	2.5-3	0.001	1896	0.004	9	
950.5008	3-4	0.001	1896	0.004	12	
950.5010	5-6	0.001	1896	0.004	18	
950.5012	8-10	0.001	1896	0.004	18	
10-12.5	950.5014	0.001	1315	0.004	58	
12.5-16	950.5015	0.001	1315	0.004	58	
950.5016	20-25	950.5017	0.001	1330	0.004	58
25-35	950.5018	950.5019	0.001	1365	0.004	62
50-65	950.5020	950.5021	0.001	1365	0.004	62
80-100	950.5022	950.5023	0.001	1610	0.004	66
125-150	950.5024	950.5025	0.001	1850	0.004	66
950.5025	175-200	950.5026	0.001	1910	0.004	80
200-225	950.5027	950.5028	0.001	2110	0.005	80
950.5028	250-275	950.5029	0.001	2110	0.005	80
275-300			0.001	2224	0.005	100
			0.001	2310	0.006	115
			0.001	2410	0.006	115
			0.001	2620	0.007	115
			0.001	2780	0.005	115
			0.001	3350	0.008	118
			0.001	3710	0.006	118
			0.001	3820	0.007	118
			0.001	4310	0.007 0.008 0.008 0.008 0.009	
SETS OF NUTROMERS OF MICROMETRIC THREE-POINT						
951.5102	2-6	5 heads	3 rings	4580		
951.5103	6-10	2 heads	1 ring	1799		
951.5104	10-20	2199	3 heads	2 rings		
951.5105	20-50	3 heads	2 rings	2990		
951.5106	50-100	3 heads	2 rings	3350		
951.5107	100-150	2850	2 heads	1 ring		
951.5108	150-200	2 heads	1 ring	3780		
951.5109	100-200	4 heads	2 rings	5990		

Code	Diap.	Diskr.	Error.	Depth.	Price
	mm	mm		mm	mm Euro
954.5006	2-2.5 0.001 9	2180		0.004	
954.5007	2.5-3 0.001 9	2180		0.004	
954.5008	3-4 0.001 12	2180		0.004	
954.5009	4-5 0.001 18	2180		0.004	
954.5010	5-6 0.001 18	2180		0.004	
954.5011	6-8 0.001 58	1550		0.004	
954.5012	8-10 0.001 58	1495		0.004	
954.5013	10-12.5 0.001 58	1595		0.004	
954.5014	12.5-16 0.001 62	1595		0.004	
954.5015	16-20 0.001 62	1720		0.004	
954.5016	20-25 0.001	1840		0.004	66
954.5017	25-35 0.001 66	1990		0.004	
954.5018	35-50 0.001 80	2040		0.004	
954.5019	50-65 0.001 80	2110		0.005	
954.5020	65-80 0.001 80	2111		0.005	
954.5021	80-100 0.001 85	2277		0.005	
954.5022	100-125 0.001 100	2360		0.006	
954.5023	125-150 0.001 100	2490		0.006	
954.5024	150-175 0.001 100	2650		0.007	
954.5025	175-200 0.001 100	2750		0.007	
954.5026	200-225 0.001 100	3570		0.008	
954.5027	225-250 0.001 103	3940		0.008	
954.5028	250-275 0.001 103	4080		0.009	
954.5029	275-300 0.001 103	4490		0.009	
SETS OF NUTROMERS OF MICROMETRIC THREE-POINT					
955.5102	2-6 5 heads 3 rings		4890		
955.5103	6-10 2 heads 1 ring		1880		
955.5104	10-20		2240	3 heads 2 rings	
955.5114	6-20 5 heads 3 rings		2680		
955.5105	20-50 3 heads 2 rings		2890		
955.5106	50-100 3 heads 2 rings		3210		
955.5107	100-150 2 heads 1 ring		2910		
955.5108	150-200 2 heads 1 ring		3880		

NUTROMETERS MICROMETRIC

Code	Type	Range of Ts.p. Price error			Euro
		mm	mm	mm	
132005030	yy-300	50-300	0,01	132005060	yy-600 ± 0.008 215
50-600	0,01	132005100	yy-1000	50-1000	0,01 ± 0.015 255
132005150	yy-1500	50-1500	0,01	132005200	± 0.020 590
yy-2000	1000-2000	0, 01	132005300	yy-3000	± 0.025 1040
1000-3000	0,01	132005400	yy-4000	1000-4000	± 0.030 1160
0,01	132005500	yy-5000	1000-5000	0,01	132005600 ± 0.050 1790
yy-6000	1000-6000	0,01			± 0.060 3770
					± 0.075 6900
					± 0.090 8100



NUTROMETERS MICROMETRIC

Code	Type	Diap. Discrete Price		Euro
		mm	mm	
76938500120	yy-150	50-150	0.01	690
76938500220	yy-250	50-250	0.01	986
76938500320	NM-450	50-450	0.01	1219
76938500420	NM-850	50-850	0.01	1650
76938500520	NM-1450	50-1450	0.01	2390
76938500820	NM-2100	1000-2100	0.01	2970



NICROMETERS MICROMETRIC DIGITAL

Code	Type	Disc range . Price error			
		mm	mm	mm	Euro
132005152	NMC-1500	125-1500	0.001	132005202	± 0.025 960
NMC-2000	125-2000	0.001	132005302	NMC-3000	± 0.030 1160
125-3000	0.001	132005402	NMC-4000	125-4000	0.001 ± 0.040 1480
					± 0.050 1999



NICROMETERS MICROMETRIC DIGITAL

Code	Type	Diap.	Discrete Price	
			mm	Euro
76062670120	NMC-175	150-175	0.001	1090
76062670220	NMC-350	150-350	0.001	1620
76062670320	NMC-550	150-550	0.001	1830
76062670420	NMC-950	150-950	0.001	2040
76062670520	NMC-1550	150-1550	0.001	2620
76062670620	NMC - 3000	150-3000	760626	0.001 4700
			0.001	6990



NUTROMETERS MICROMETRIC COMPUTER

Code	Type	Disc range . Error		Communication	Price Euro
		mm	mm	mm	
133800100	NMK-1000	150-1000	0.0001	133800150	± 0.012 WIRELESS + USB 842
NMK-1500	150-1500	0.0001	133800200	NMK-2000	± 0.015 WIRELESS + USB 1128
150-2000	0.0001	133800300	NMK-3000	150-3000	± 0.020 WIRELESS + USB 1350
0.0001	133800400	NMK-4000	150-4000	0.0001	± 0.030 WIRELESS + USB 1660
					± 0.040 WIRELESS + USB 2210



NUTROMETERS MICROMETRIC THREADED



Code	Type	Diap.	Price divisions	
			mm	Euro
76937000120	MVMV-45	20-45	0.01	1210
76937000220	MVMV-70	45-70	0.01	1240
76937000320	MVMV-95	70-95	0.01	1320
76937000420	MVMV-120	95-120	0.01	1320
76937400120	NMV -205	100-205	0.01	1150
76937400220	NMV -505	100-505	0.01	1630
76937400320	NMV -905	100-905	0.01	2420
76937400420	NMV -1150	150-1150	0.01	2710

INSERTS METRIC 60 ° INSERTS INCH 55 °

Code	Angle Step Price	City	TPI	Euro
76922601824	60 0.35	55	60/48	300
76922602024	60 0.4 / 0.45	55	40/32	300
76922602424	60 0.5 / 0.6	55	28/26/24/22	300
76922602824	60 0.7 / 0.75 / 0.8	55	20/19/18/16	300
76922603624	60 1.0 / 1.25	55	14/12/11	300
76922604024	60 1.5 / 1.75	55	10/9/8	300
76922604424	60 2.0 / 2.5	55	7/6	300
76922604824	60 3.0 / 3.5	55	5/4 1/2	300
76922605224	60 4.0 / 4.5 / 5.0	55	31/2/31/4/3/27/8/23/4	300
76922605524	60 5.5 / 6.0	55	25/8/21/2/2	300

MICROTECH



- TU U 33.2-30291682-005: 2010
- To measure internal dimensions
- State Register of Ukraine yU2073-09
- Analog indication
- 100% metrological control
- **ISO 17025 calibration**
- Production of MICROTECH (Ukraine)



- Steinmeyer standard
- To measure internal dimensions
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Steinmeyer-Suhl (Germany)

MICROTECH



- TU U 33.2-30291682-005: 2010
- To measure internal dimensions
- State Register of Ukraine yU2073-09
- Digital display
- 100% metrological control
- **ISO 17025 calibration**
- Production of MICROTECH (Ukraine)



- Steinmeyer standard
- To measure internal dimensions
- Digital display
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Steinmeyer-Suhl (Germany)

MICROTECH



- TU U 33.2-30291682-005: 2010
- Diameter of a pipe is 22 mm
- Computerized MICS display system
- Wireless data transmission from software • 100% metrological control
- **ISO 17025 calibration**
- Production of MICROTECH (Ukraine)



- Steinmeyer standard
- For measuring internal threads
- Inserts are supplied separately
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Steinmeyer-Suhl (Germany)



INSTRUMENTS ARE LEVELY ANALOGUE



INSTRUMENT LEVELS ELECTRONIC



NUTROMERS ELECTRONIC IP-67



LEVEL COMPUTER INSTRUMENTS



Code	Type	Diap.	C.p. Error Depth. The end. Price		
			mm	mm	mm mm Euro
135103580	HP-35	15-35	135105580	0.01	± 0.05 50 3 132
HP-55	35-55	135107580	HP-75-75	0.01	± 0.05 80 6 145
135109580	HP-95	75-95	135111580	0.01	± 0.05 100 8 160
95-115	135113580	HP-135	115-135	0.01	± 0.05 100 8 177
135113580	HP-155	135-155		0.01	± 0.05 150 10 191
135113580	HP-175	155-175		0.01	± 0.05 150 10 199
135113580	HP-195	175-195		0.01	± 0.07 150 10 218
135113580	HP-215	195-215		0.01	± 0.07 150 10 234
135113580	HP-235	215-235		0.01	± 0.07 150 10 256
				0.01	± 0.08 150 10 280
				0.01	± 0.08 150 10 299

Code	Type	Diap. Diskr. Error Depth. The end. Price	mm	mm	mm	mm	Euro
134102500	NE-25	5-25	134103000	0.005	± 0.05	30	1x1.5 198
NE-30	10-30	134104000	NE-40	0.005	± 0.05	60	2x3.5 210
20-40	134105000	NE-50	30-50	0.005	± 0.05	80	3x6.5 222
134106000	NE-60	40-60		0.005	± 0.05	80	3x8.5 235
				0.005	± 0.05	80	3x8.5 242

Diap code. Diskr. Error Depth End. Price	mm	mm	mm	mm	mm	Euro
G102 2.5-12.5	0.005	± 0.015	12	R0.1	670	
G105 5-15	0.005	± 0.015	12	D0.6	670	
G210 10-30	0.01	± 0.03	35	D1	670	
G220 20-40	0.01	± 0.03	85	D1	670	
G230 30-50	0.01	± 0.03	85	D1	670	
G240 40-60	0.01	± 0.03	85	D1	670	
G250 50-70	0.01	± 0.03	85	D1	670	
G260 60-80	0.01	± 0.03	85	D1	670	
G280 80-100	0.01	± 0.03	85	D1	670	
G415 15-65	0.02	± 0.06	188	D1.5	955	
G440 40-90	0.02	± 0.06	192	D2	943	
G850 50-150	0.01	± 0.15	395	D5	1555	
G4100 100-150	0.02	± 0.06	192	D2	930	
G4150 150-200	0.02	± 0.06	192	D2	930	
ID60150 150-250	0.1	± 0.30	535	D5	1880	
ID80200 200-400	0.2	± 0.40	735	20	2110	

Code	Type	Diap.	Diskr.	Error Depth. The end. Price	mm	mm	mm	mm	Euro
134102505	NEK -25	5-25	0.001	134103005	± 0.02	30	1x1.5	450	
NEK -30	10-30	0.001	134104005	NEK -40	± 0.02	60	2x3.5	450	
20-40	0.001	134105005	NEK -50	30-50	± 0.02	80	3x6.5	460	
0.001	134106005	NEK -60	40-60	0.001	± 0.02	80	3x8.5	475	3x8.5
					± 0.02	80		499	

NUTROMETERS MICROMETRIC FOR GEARS



Code	Type	Diap.	Price of	Price
76937550120	NMS-205	100-205	0.01	1170
76937550320	NMSH-505	100-505	0.01	1390
76937550520	NMSH-905	100-905	0.01	1570
76937550720	NMSH-1150	150-1150	0.01	2620
76062801120	yyyy-400	200-400	0.001	2530
76062801220	yyyy-600	200-600	0.001	2590
76062801320	yyyy-1000	200-1000	0.001	2640
76062801420	yyyy-1600	200-1600	0.001	3070

Code	Diameter sphere	Module Price
76933910024	1.2	495
76933913524	3.4	355
76933919024	5.6	210
76933923024		210
76933926024		210
76933928524	4	210
76933931024	7	210
76933932524	8	295
76933933524	9	295
76933935024	10	295

Code	Diameter	Module Price
	sphere	
mmOf the Euro		
76933937024	11	295
76933938024	12	8 333
76933938524	13	333
76933939524	14	333
76933940024	15	10 333
76933941024	16	333
76933941524	17	333
76933942024	18	333
76933942524	19	333
76933944024	20	440
76933943524	21	440

WALL METERS LEVEL-ANALOGUE

Code	Type	The Diap.		Error Depth. The end. Price	
		mm	mm	mm mm mm Euro	
135200200	yyy-20 0-20	0.01	± 0.05	138 60	6
135200400	yyy-40 20-40	0.01	± 0.05	145 60	6
135200600	yyy-60 40-60	0.01	± 0.05	159 55	6
135200800	yyy-80 60-80	0.01	± 0.05	168 55	6
135201000	yyy-100 80-100	0.01	± 0.05	180 55	6



MICROTECH



- Standard STP MK 08.10.003 MTU
- To measure external dimensions
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

MICROTECH



- Standard STP MK 08.10.003 MTU
- To measure external dimensions
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

LEVER ELECTRONIC WALL METERS

Type	Type	Diap. Diskr. Error Depth. The end. Price	
		mm	mm mm mm Euro
134202000	NEN-20 0-20 134203000	0.005	± 0.05 80 6.5x25 198
NEN-30 10-30		0.005	± 0.05 80 6.5x25 210
134204000	NEN-40 20-40	0.005	± 0.05 80 6.5x25 222
134205000	NEN-50 30-50	0.005	± 0.05 80 6.5x25 235
134206000	NEN-60 40-60	0.005	± 0.05 80 6.5x25 242



LEVER COMPUTER WALL METERS

Type	Type	Diap. Diskr. Error Depth. The end. Price	
		mm mm	mm mm mm Euro
134202005	NENK-20 0-20 0.001 134203005	± 0.03	80 6.5x25 450
NENK-30 10-30 0.001 134204005	NENK-40	± 0.03	80 6.5x25 450
20-40 0.001 134205005	NENK-50 30-50	± 0.03	80 6.5x25 460
0.001 134206005	NENK-60 40-60 0.001	± 0.03	80 6.5x25 475 80 6.5x25
		± 0.05	499



MICROTECH



- Standard STP MK 08.10.003 MTU
- Computerized MICS display system
- Wireless data transmission
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

LEVER WALL METERS IP-67

Diap. code. Diskr. Error Depth Final Price					
mm	mm	mm	mm	mm	Euro
C1R10 0-10	0.005	± 0.015	35	D 1.5	672
C2R20 0-20	0.01	± 0.03	80	D 1.5	672
C3R30 0-30	0.02	± 0.03	116	D 3	672
C4R50 0-50	0.02	± 0.06	169	D 3	915
C8R100 0-100	0.05	± 0.15	382	D 5	1550



LEVER ELECTRONIC WALL METERS IP-67

Code	Diap.	Diskr. Error Depth Final Price	
		mm	mm mm mm Euro
C110	0-10	0.005	± 0.015 35 D 1.5 672
C220	0-20	0.01	± 0.03 85 D 1.5 672
C330	0-30	0.02	± 0.04 116 D 1.5 672
C450	0-50	0.02	± 0.06 167 D 3 745
C4100	50-100	0.02	± 0.08 167 D 3 793
C4150	100-150	0.02	± 0.08 167 D 3 793
C8100	0-100	0.05	± 0.15 382 D 5 139
OD80200	0-200	0.20	± 0.40 725 20 1960



DENTAL WALL METERS

Code	Diap. Diskr. Error Effort Price	
		H Euro
Paco 2D	0-10 0.1 ± 0.1	3 133
E110D	0-2 0.01 ± 0.02	6 242



TUBE WALL METERS

Code	Type	Diap. Final Diskr. Price error	
		mm	mm mm mm Euro
137011105	TT-10 0-10 137011106	d6	0.01 ± 0.030 105
TTC-12 0-12		d6	0.001 ± 0.012 265



TUBE WALL METERS

Code	Diap. Diskr. Depth Error Turkey. Final Price	
		mm Euro
J50W 0-10	0.01 50 ± 0.015 analog. ±	d6 242
JD50W 0-10	0.01 200 0.020 digits.	d6 795



Kroeplin



- Kroeplin standard
- For use in dentistry to measure the wall of dentures
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Kroeplin (Germany)

MICROTECH



- Standard STP MK 08.10.004 MTU
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

Kaefer



- Kaefer standard
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)

THICKNESS METERS

THICK METERS WITH A CONSTANT LOAD



Code	Type	Diap. Depth Disc. Load Error. Indication of mPA		Communication	Price
		mm	mm mm	mm	Euro
137320101	TPNA-1 0-1		0.001 ± 0.005	analog	240
137320105	TPNC-5	0-5	50 ± 0.005	digital	390
137320108	TPNC-5		0.001 ± 0.003	comp	WIRELESS + USB 490

THICK METERS FOR SOFT MATERIALS



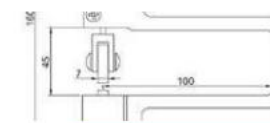
Code	Type	Diap. Depth Disc. Error Plane Load. Base Indication mm2 104 104 104 104		Communication	Price
		mm mm 200	mm mm 0.01 ±		Euro
137330251	TMPC-25	0-25	200 0.050 0.001 ± 0.040	digital	520
137330253	TMPP-25		0.01 ± 0.060 0.060 ±	digital	645
137330503	TMPC-50	0-50	200 0.01 ± 0.080 ± 0.065	digital	654
137330507	TMPP-50		STANDS-THICKNESS	digital	795
137331001	TMPC-100	0-100	200 WITH GRANITE	digital	1250
137331003	TMPP-100		104 104 1	digital	1370
137340253	CMPP-25	0-25	100 0.001 ± 0.030 104 1 granite 0.0001 ± 0.025 granite 0.001 ± 0.040	digital	910
137340257	CMPC-25		granite 0.0001 ± 0.030 granite 0.001 ± 0.055 granite 0.0001 ±	comp	WIRELESS + USB 1105
137340503	CMPP-50	0-50	100 104	digital	1050
137340507	CMPC-50		100 104	comp	WIRELESS + USB 1279
137341003	CMPP-100	0-100	100 104	digital	1750
137341007	CMPC-100		100 104	comp	WIRELESS + USB 1920

THICK METERS FOR SOFT MATERIALS

Code	Diap. Diskr. Error Depth Final Price	
		mm mm mm mm Euro
C110T 0-10	0.005 ± 0.02	35 D 6 672
C220T 0-20	0.01 ± 0.04	116 D 10 672
C330T 0-30 C450T	0.02 ± 0.06	116 D 50 672
0-50 C8100T 0-100	0.02 ± 0.08	167 D 50 911
	0.05 ± 0.15	382 D 50 1490



THICKNESS METERS FOR FILM



Code	Type	Diap. Depth Disc. Error Indication Price	
		mm	mm mm mm mm Euro
137010105	TPA-10 0-10	100	0.01 ± 0.030 analog. 180
137010104	TPC-10 0-10 137010106	100	0.01 ± 0.020 digits. 225
TPC-10 0-10 137010108	TPC-10 0-10	100	0.001 ± 0.012 digits. 330
		100	0.0001 ± 0.008 comp. 445

THICK METERS FOR FILM

Code	Diap. Diskr. Depth		Turkey.	The ending	Price
					Euro
J50R	0-5	0.01	50 analog.	rollers d 8.4	333
JD50R	0-5	0.01	50 digits.	rollers d 8.4	798



MICROTECH



- Standard STP MK 08.10.004 MTU
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

Kaefer

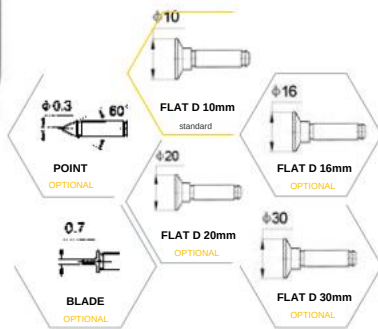


- Kaefer standard
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Kaefer (Germany)

THICKNESS METERS



- Standard STP MK 08.10.004 MTU
- Production of special configurations of brackets to order
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)



INDICATOR COMPUTER DIGITAL											
Code	Type	Diap Depth	disc. 10 μm disc. 1 μm disc. 10 μm disc. 0.1 μm						disc. 1 μm		
			Error	Price	Error	Price	Error	Price	Error	Price	Price
			mm	μm	± 35 ± 40 ± 20 ± 30	Euro	μm	±	Euro	μm	Euro
13700102X TRPT-1		mm 0-1	25			135		3 ±	335	± 3	435
13701012X TR-10/120		0-10	120	± 30	120	249	± 20	205	12 ±	335	± 11
13702012X TR-10/200			200	± 30	320	449	± 25	420	15 ±	535	± 14
13702012X TR-20/120		0-20	120	± 40	180	309	± 25	280	15 ±	437	± 14
13702520X TR-25/200			200	± 40	370	499	± 30	470	18 ±	627	± 16
13702540X TR-25/400			400	± 50	633	761	± 40	732	25 ±	890	± 22
13705020X TR-50/200			200	± 50	420	691	± 40	620	20 ±	734	± 18
13705030X TR-50/300			300	± 60	520	820	± 40	720	25 ±	834	± 21
13705040X TR-50/400		0-50	400	± 70	720	991	± 50	905	30 ±	1034	± 25
13705060X TR-50/600			600	± 80	920	1191	± 60	1112	35 ±	1234	± 32
13705080X TR-50/800			800	± 90	1131	1402	± 80	1347	40 ±	1445	± 45
13710020X TR-100/200			200	± 50	795	1265	± 40	1252	20 ±	1608	± 20
13710040X TR-100/400			400	± 70	1092	1407	± 50	1521	30	1878	± 27 ±
13710060X TR-100/600		0-100	600	± 80	1271	± 40	1757	± 60	1729	± 40	2085 ± 36
13710080X TR-100/800			800	± 100	1514	± 55	1971	± 90	1943	± 55	2271 ± 48
											2429

THICKNESS METERS ANALOGUE

Diap code . Diskr. Depth Error Final Price						
	mm	mm	mm	mm	mm	Euro
F1000 / 30	0-1	0.001	30	± 0.005	d6.35	295
F50	0-5	0.001	50	± 0.010	d10	272
J12	0-8	0.01	12	± 0.015	d6.35	143
K15		0.1	15	± 0.050	d6.35	67
J45		0.01	45	± 0.015	d6.35	149
K50		0.1	50	± 0.050	d10	142
J50	0-10	0.01	50	± 0.015	d10	171
J100		0.01	100	± 0.015	d10	202
J200		0.01	200	± 0.015	d10	265
J300		0.01	300	± 0.015	d10	322
J400		0.01	400	-	d10	355
K15 / 2		0.1	15	± 0.050	d10	79
J15	0-20	0.01	18	± 0.015	d6.35	141
K50 / 2		0.1	50	± 0.050	d6.35	141
K100		0.1	100	± 0.050	d10	183
K200		0.1	200	± 0.050	d10	208
K300		0.1	300	± 0.050	d10	225
K400		0.1	400	± 0.050	d10	272
J50 / 30	0-30	0.01	50	-	d10	228
J100 / 30		0.01	100	-	d10	287
J200 / 30		0.01	200	-	d10	339
J400 / 30		0.01	400	-	d10	435
K50 / 5	0-50	0.1	50	± 0.080	d10	2248
K600 / 50		0.1	600	± 0.080	d10 d10 d10 d10	

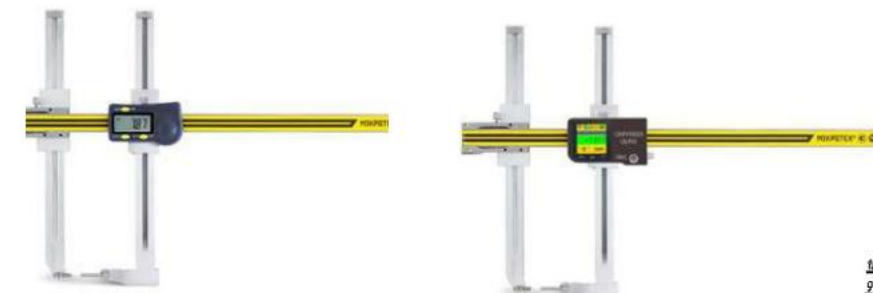


- Kaefer standard
- Analog indication with a resolution of 0.1; 0.01; 0.001mm
- Special extensions to order
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Kaefer (Germany)

THICKNESS METER THICK METERS

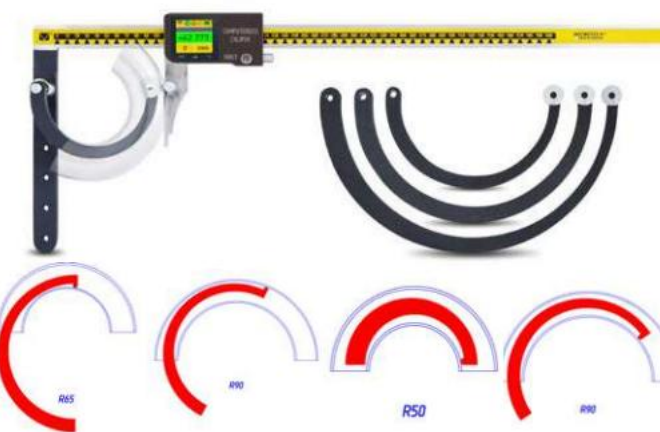
Code	Diap. mm	Diskr. mm	Depth mm	Error mm	The ending mm	Price Euro
FD1000 / 30	0-3	0.001	30	± 0.003	d6.35	825
FD50 TOP	0-5	0.001	50	± 0.005	d10	611
FD200	0-10	0.001	200	± 0.005	d10	896
JD50 TOP		0.01	50	± 0.020	d10	440
JD100	0-12.5	0.01	100	± 0.020	d10	765
JD200		0.01	200	-	d10	811
JD300		0.01	300	-	d10	865
JD400		0.01	400	-	d10	955
JD50 / 25		0.01	50	-	d10	560
FD50 / 25		0.001	50	± 0.005	d10	855
JD100 / 25		0.01	100	± 0.020	d10	810
FD100 / 25	0-25	0.001	100	-	d10	895
JD200 / 25		0.01	200	-	d10	965
FD200 / 25		0.001	200	± 0.005	d10	1030
JD400 / 25		0.01	400	-	d10	

2D BAR-THICKNESS METERS



Code	Range Z mm	Diskr. X mm	Depth ZX mm	Error Z mm	X mm	Indication	Communication	Price Euro
149020151	0-150	0.01	0.01 ± 30	0-300	0.01	± 30	-	390
149020301		0.01 ± 30	0-500	0.01 ± 30	0.01	± 30	Digital	483
149020501	0-150	0.001 ± 20	0-300	0.0150	0.01 ± 20	± 50	-	699
149020157		0.001 ± 20				± 15	WIRELESS + USB	900
149020307						± 15	computer WIRELESS + USB	1034
149020507						± 20	WIRELESS + USB	1580

WALL METERS FOR CURVED TUBES



Code	Radius inserts mm	Thickness mm	Diameter mm	Diskr. mm	Error mm	Pipe indication	Communication	Price Euro
	mm	mm	mm	μm	μm			
	55	0-350	25-35					
149010010	75	0-300	30-40	0.01	± 60	Digital	-	741
	115	0-250	30-45					
	150	0-200	30-45					
	55	0-350	25-35					
149010030	75	0-300	30-40	0.01	± 50	computer	WIRELESS + USB	1130
	115	0-250	30-45					
	150	0-200	30-45					

THICKNESS MEASURES ULTRASONIC PROFESSIONAL

Characteristic Code	TU2-2
Range mm	191100002
Discretion of	1.2-225
reference mm Error mm Test	0.1
materials Memory values	± (0.1 + 0.5%)
Dimensions mm Weight g	12
Price AUC-2 Euro Additional	+
calibration	145y70y30
	750
	195
	110



- MICROTECH standard
- Extended range
- Improved performance
- Large LED display • Built-in calibration unit
- 3 AAA batteries are used
- Optional **Calibration ISO 17025: 2017**
- Assembly, alignment of MICROTECH (Ukraine)

The price of a replaceable sensor is 29 Euros

BRICK LEVELS WITH SUPPORT

Code	Type	Base	Diskr. Non-area. Price error			
			mm	mm /	mm	mm / m Euro
152120020	UB-200-0.02	200x45	152130020	m	0.02	0.003 ± 0.06 150
UB-300-0.02	300x45			0.02	0.004	± 0.06 240



BRUSK LEVELS

Code	Type	Base	Max Non-area.	Price / discreteness		
				0.1mm / m	0.02mm / m	0.01mm / m
		mm	mm	Euro	Euro	Euro
402y / 160 yy-160		160y42	0,005 402y / 200	210	365	-
yy-200		200y42	0,005 402y / 250 yy-250	229	440	555
250y42		0,005 402y / 300 yy-300	300y42	245	475	586
0,005 402y / 500 yy-500		500y44	0,005	265	511	659
				525	833	976



BRICK LEVELS WITH SUPPORT

Code	Type	Base	Max	Exact	Price / discreteness		
			Non-area.	drive	0.1mm / m	0.02mm / m	0.01mm / m
			mm	mm	mm / m Euro	Euro	Euro
608y / 160 yyy -160 160y42 608y /			0.005	+ -4	255	411	-
200 yyy -200 200y42			0.005	+ -4	308	495	610
608y / 250 yyy -250 250y42 608y /			0.005	+ -4	319	528	641
300 yyy -300 300y42 608y / 500			0.005	+ -4	361	575	727
yyy -500 500y44			0.005	+ -4	662	925	1070



LEVELS BRUSKOVI WITH A WIDE BASE

Code	Type	Base Diameter	Price / discreteness		
			0.1mm / m	0.02mm / m	
		mm	mm	Euro Euro	
452y / 160 yyy -160	160y140	54-600	452y / 200	1387	1835
yyy -200	200y160	54-690	452y / 250 yyy -250	1520	1995
250y200	58-950			1850	2320



LEVELS OF BRUSH ALUMINUM

Code	Type	Base	Price / discreteness	
			0.6 mm / m	
			mm	Euro
462X / 150 UBA-150	200x22		75	
462X / 200 UBA-200	200x22		85	
462X / 250 UBA-250	250x22		105	
462X / 300 UBA-300	300x22		123	



BRICK LEVELS MICROMETRIC

Code	Type	Base	Diskr. Price error	
			mm	mm / m mm / m Euro
152315710	UBM-167	165x60	0.01 ± 0.020	600



2D DISK LEVEL

Code	Type	Base	Price /	
			discreteness	
			0.3 mm / m	
		mm	Euro	
4860 UD-60	4831	D60	276	
UD-80	D80		740	



- STP MK 09.07.004 MTU
- Ampoule display (horizontal and vertical)

- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



Neigungsmesstechnik e.K.



- Ampoule display (horizontal and vertical)

- Steel prismatic and flat bases

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



Neigungsmesstechnik e.K.



- Ampoule display (horizontal and vertical)

- Steel prismatic and flat bases

- Precise supply allows you to

quickly set zero in the range of + -4 mm / m

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



Neigungsmesstechnik e.K.



- Ampoule indication

- Steel prismatic and flat bases

- Wide base with the possibility of control

of cylindrical parts up to 950 mm

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



Neigungsmesstechnik e.K.



- Ampoule display (horizontal)

- Budget aluminum level

- Aluminum prismatic and flat base

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



- STP MK 09.08.005 MTU

- Microscrew adjustment

- 100% metrological control

- Calibration ISO 17025: 2017

- Production of MICROTECH (Ukraine)



Neigungsmesstechnik e.K.



- Ampoule display (horizontal and vertical)

- Flat disc-shaped surface

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)

LEVEL FRAMES

Code	Type	Base	Diskr. Non-area. Price error			
			mm	mm / m	mm / m	mm / m Euro
152220020	UR-200	200x200x45	152230020	0.02 ± 0.06	245	003
UR-300	300x300x45			0.02 ± 0.06	385	004



LEVEL FRAMES

Code	Type	Base	Price / discreteness		
			0.1mm / m	0.02mm / m	0.01mm / m
mm			Euro	Euro	Euro
422y / 160 yy-150	150y150y42	422y /	481	730	-
200 yy-200	200y200y42	422y / 300	588	880	1310
yy-300	300y300y44		966	1205	1650



LEVEL DIGITAL

Code Type	Base	Price / discreteness		
		0.02mm / m	0.01mm / m	0.005mm / m
mm		Euro	Euro	Euro
522X / 160 URC-150 150x150x42		4250	4980	5250



LEVELS BRUSSELS DIGITAL

Code	Type	Base	Price / discreteness		
			0.02mm / m 0.01mm / m 0.005mm / m		
		mm	Euro	Euro	Euro
502y / 200 yyy-200	200y42	552y /	3890	4570	5250
200 yyy-200	200y160		5660	6341	6990



LEVELS BRUSK COMPUTERIZED

Type	Type	Base	Diskr. Non-area. Price		
			mm	mm / m	Euro mm
152120070	UBK-200	200x45	0.01	750	0.003
152130070	UBK-300	300x45	0.01	0.004	990



PRECISIONAL DIGITAL LEVELS

Characteristics	LE211
Range, microns / m	± 3,275
Discreteness, mm / m	0.0005
Error, mm / m Stability	± (0.001 + A / 50)
of indication	± 0.01 / 2h
Base, mm	100 and 200
Weight,	2.0
kg Price level,	5730
Euro WPLAN software price (Microplan)	1400



COORDINATE LEVELS

Code	Type	Base	Max	Exact	Price / discreteness		
			Non-area.	drive	0.1mm / m	0.02mm / m	0.01mm / m
mm			mm		Euro	Euro	Euro
496X / 150	UB-150	150x150	0.005	-	640	960	1150



- STP MK 09.07.004 MTU
- Ampoule indication
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



Neigungsmesstechnik e.K.



- Ampoule display (horizontal and vertical)

- Steel bases (3 prismatic and 1 flat)

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



Neigungsmesstechnik e.K.



- Digital display (horizontal and vertical)

- Steel bases (3 prismatic and 1 flat)

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



Neigungsmesstechnik e.K.



- Digital display (horizontal and vertical)

- Steel prismatic and flat bases

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)



- STP MK 09.07.004 MTU

- 100% metrological control

- Computerized MICS display system

- Wireless data transfer from MICROTECH

software for Android, Windows, iOS devices

- Calibration ISO 17025: 2017

- Production of MICROTECH (Ukraine)



- Microplan standard

- Digital display

- Granite base (100 and 200 mm included)

- Precision series

- Optional WPLAN software

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Microplan (Italy)



Neigungsmesstechnik e.K.



- Ampoule indication • Two coordinate

- steel prismatic and flat bases

- 100% metrological control

- Calibration ISO 17025: 2017

- Production Roeckle (Germany)

DIGITAL PROCESSORS

Code Range Quantity Length Protection					Price data	
mm		pcs	mm		Wireless Euro	
921.0100	0.05-1.00	20	100	IP65	Bluetooth	755
921.0110	0.04-1.00	19	100	IP65	Bluetooth	720



- Sylvac standard
- The world's first digital probes
- Switching mm / inch
- 100% metrological control
- Calibration ISO 17025: 2017
- Production SYLVAC (Switzerland)

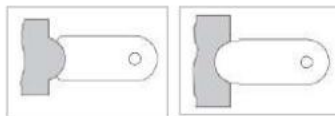
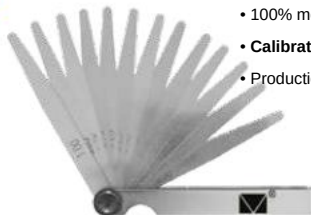


- STP MK 15.07.012 MTU
- Sets of probes for thickness control
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



CONTROL FEELS

Code	Error Set				Quantity	Length	Price		
	Range	class 1	class 2	class 3			class 1	class 2	class 3
	mm	mm	mm	mm	pcs	mm	Euro	Euro	Euro
177201131	0.100-13					100	35	27	20
177202131	0.200-13				13	200	47	36	30
177203131	0.300-13					300	66	58	49
177201201	0.100-20					100	49	39	33
177202201	0.200-20				20	200	59	49	43
177203201	0.300-20					300	82	72	59



- STP MK 09.08.001 MTU
- Sets of radial templates to control inner and outer radii
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



RADIUS TEMPLATES

Code Set Range of radii Error Quantity. Price				
mm		mm	pcs	Euro
177410617	0.1	± 0.020	17	27
177411416	0.2	± 0.029	16	27
177412515	0.3	± 0.035	15	27

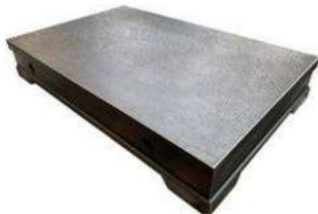


- STP MK 09.08.001 MTU
- Sets of radial templates for thread control
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



CERAMIC CAST IRON PLATES

Code	Dimensions	Mass	Flatness class		Price	
			1	2	class 1	class 2
	mm	kg	μm	μm	Euro	Euro
21103021y	300y200	12		16	289	235
21104021y	400y250	22	8	20	299	242
21104041y	400y400	35	10	25	380	315
21106041y	600y400	45	12	30	480	395
21110061y	1000y630	160	14	40	1200	995
21116101y	1600y1000	465	20	50	2580	2150
21120101y	2000y1000	520	25	60	3990	3310
21130101y	3000y1000	900	30	75	7210	5960
21130201y	3000y2000	3100	39	92	16800	13950
21140201y	4000y2000	4400	46	55	29880	24900
21160201y	6000y2000	6400		146		49550



- STP MK 15.07.012 MTU
- To control straightness and flatness
- Production of non-standard sizes on order
- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



PRECISION GRANITE CALIBRATION PLATES

Code	Dimensions	Mass	Flatness Price			
			class 00	class 0	class 00	class 0
	mm	kg	microns	microns	Euro	Euro
211040410	400y400y80	30	3	5	244	199
630y400y80	800y500y100	120	3	5	399	299
211041010	1000y630y140	300	3	5	610	530
211041610	1600y1000y200	1000	5	6	1090	890
211042010	2000y1000y200	1300	6	8	2750	2360
211043010	3000y2000y300	5400	16	8	3860	3220
76104405			16	8	18100	14300
			22	11	28900	22500



- MICROTECH standard
- Made of high quality natural granite with non-porous structure (density 20% higher than standard)
- Low coefficient of expansion 3x10-6m // m
- Flatness control on Wyler equipment
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH



PLANE CONTROL

LOCALS RULES WITH DOUBLE-SIDED SLOPE

Code	Type	Dimensions	Rectilinear. Price			
			class 0	class 1	class 1	class 1
		mm	microns	microns	Euro	Euro
17261250X	LD-125	125x6x25	0.6	93	76	1.6
17263000X	LD-300	300x8x40	1.5	155	124	2.5
17265000X	LD-500	500x10x50	2.0	273	225	3.9



LINE LOCAL TRIGGERS

Code	Type	Dimensions	Rectilinear. Price			
			class 0	class 1	class 0	class 1
		mm	microns	microns	Euro	Euro
17271750X	LT-125	175x26	1.0	169	1.8	186
17272250X	LT-225	225x26	1.2	186	2.0	211
17273000X	LT-300	300x35	1.6	2.5	225	197



LYRICS FOUR-QUALITY LINES

Code	Type	Dimensions	Rectilinear. Price			
			class 0	class 1	class 0	class 1
		mm	microns	microns	Euro	Euro
17281750X	LCh -125	175y20	1.0	169	1.8	186
17282250X	LCh -225	225y20	1.2	186	2.0	211
17283000X	LCh -300	300y25	1.6	197	2.5	225



LINE CALIBRATION RULES

Code	Type	Dimensions	Planes.		Price	
			class 1	class 2	class 1	class 2
		mm	microns	microns	Euro	Euro
17290500X	yy -500	500y40	6	282	235	10
17290600X	yy -630	630y40	8	355	295	14
17291000X	SD-1000	1000x60	10	469	390	6
17291600X	SD-1600	1600x70	16	777	645	5
17292000X	SD-2000	2000x70	20	1097	910	5



LIFE CALIBRATION RULES

Code	Type	Dimensions	Weight	Planes. Price			
				class 1	class 2	class 1	class 2
		mm	kg	microns	microns	Euro	Euro
17300500X	yyy-500	500y30	0.8	6	10	422	394
17300600X	yyy-630	630y30	1.1	8	16	506	478
17301000X	yyy-1000	1000y30	1.5	10	20	647	619
17301600X	yyy-1600	1600y40	2.3	17	30	788	759
17302000X	yyy-2000	2000y60	6.0	20	36	1378	1238
17303000X	yyy-3000	3000y80	9.0	40	52	2531	2391
17304000X	yyy-4000	4000y80	28.0	40	68	3984	3731
17305000X	yyy-5000	5000y150	35.0	45	86	6188	5991
17306000X	yyy-6000	6000y150	50.0	60	105	9000	8438
17307000X	yyy-7000	7000y220	105	120		10500	-



CYLINDER TESTING LINES OF THE “CITY” TYPE

Code	Type	Dimensions	Weight	Planes. Price					
				class 0	class 1	class 2	class 0	class 1	class 2
		mm	kg	microns	microns	microns	Euro	Euro	Euro
17310500X	yy -500	500y50	7	3	6	12	385	299	249
17310600X	yy -630	630y50	11	4	8	16	590	445	385
17311000X	yy -1000	1000y50	23	5	10	20	810	674	555
17312000X	yy -2000	2000y80	58	-	20	36	1710	1550	-
17313000X	yy -3000	3000y100	110	-	30	52	3100	2531	-
17314000X	yy -4000	4000y100	154	-	34	68	4224	3650	-
17315000X	yy -5000	5000y110	210	-	42	84	5850	4669	-
17318000X	yy -8000	8000y120	450	-	66	132	15400	13219	-



PRECISION GRANITE CALIBRATION RULERS

Code	Type	Dimensions	Weight	Planes. Price			
				class 00	class 0	class 00	class 0
		mm	kg	microns	microns	Euro	Euro
17320500X	CNG-500	500x40x80	4.8	1.6	2.6	270	225
17320600X	CNG-630	630x50x80	6.0	2	4	399	333
17321000X	CNG-1000	1000x60x120	16.5	3	5	544	445
17321600X	CNG-1600	1600x80x180	48.7	4	7.5	1040	865
17322000X	CNG-2000	2000x80x200	72.0	5	4	1590	1320
17323000X	CNG-3000	3000x80x200	102	7	6	15	3741
17324000X	yyy-4000	4000y80y200	133	11	20	5344	5063



- STP MK 09.06.002 MTU



- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- Lightweight design
- Manual finishing of surfaces
- Custom sizes on request
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- To control straightness and flatness (CITY type)
- Made of cast iron
- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- STP MK 09.06.002 MTU



- To control straightness and flatness
- Precision granite rulers
- Manual finishing of surfaces
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)


MICROTECH

- 

MICROTECH



-
- Two precision-ground shafts are shown. The top shaft has a diameter of $\varnothing 47H7$ and a tolerance of $+25$. The bottom shaft has a diameter of $11H7$ and a tolerance of $+18$. Both shafts feature a central section with a different finish, likely for measurement or identification purposes.



-
- GO M16X2-6H NOGO

Figure 10.1 illustrates the geometry of a single thread. The diagram shows a cross-section of a screw thread with various dimensions labeled. The pitch is P . The major diameter is the outermost diameter. The minor diameter is the innermost diameter. The pitch diameter is the diameter at the pitch line. The thread angle is 60° . The height of the thread is H . The depth of the thread is $H/8$. The width of the thread is $P/8$. The width of the groove is $P/2$. The width of the flat top is $P/4$. The formula for H is given as $H = 0.8660254 \times P$.

$H = 0.960491P$
 $H/6 = 0.160082P$
 $h = 2/3H = 0.640327P$
 $R = 0.137329P$

Technical drawing of a double-fluted drill bit. The drawing shows a side view of the drill bit with the following dimensions and formulas:

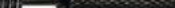
- Major Dia**: Major diameter
- Pitch Dia**: Pitch diameter
- Minor Dia**: Minor diameter
- 0.184R**: Radius at the minor diameter transition
- 27.30°**: Angle of the minor diameter transition
- 55°**: Flute angle
- 90°**: Drill bit angle
- TAPER 1:16 + 0.010**: Taper specification
- H = 0.960237P**: Formula for height H
- h = 0.640327P**: Formula for height h
- rs = 0.13278P**: Formula for radius rs

The diagram illustrates a cross-section of a road structure. Key features include:

- Taper 1:47.7**: Indicated on the left side of the road surface.
- 60°**: The angle of the subgrade or base layer.
- Major Dia**: The overall vertical height of the structure.
- Pitch Dia**: The vertical height of the central section.
- Minor Dia**: The vertical height of the base layer.
- P**: The horizontal distance from the centerline to the edge of the road.
- b2**: The width of the base layer at the bottom.

-

- 

- 

RINGS SMOOTH

Diameter	Price	Diameter	Price	Diameter	Price	Diameter	Price
mm	Euro	mm	Euro	mm	Euro	mm	Euro
3	99.00	14	115.00	45	165.00	160	1330.00
4.5	99.00	15	115.00	50	173.00	175	1690.00
	99.00	16	125.00	55	186.00	200	2350.00
6	110.00	17	125.00	60	206.00	225	3100.00
7	110.00	18	125.00	70	214.00	250	4050.00
8	110.00	19	125.00	75	225.00	275	3740.00
9	110.00	20	125.00	80	237.00	300	5430.00
10	110.00	25	131.00	90	285.00	315	5950.00
11	115.00	30	140.00	100	350.00	382	8400.00
12	115.00	35	150.00	125	570.00	400	ordered
13	115.00	40	159.00	150	1110.00	500	ordered

THREADED RINGS, NOT OL

Threads	SO	NO	Threads	SO	NO	Threads	SO	NO
Price			Price			Price		
Euro Euro			Euro Euro			Euro Euro		
M2x 0.4	131.76	131.76	M18x2.5	230.59	230.59	M60x1.5	580.00	580.00
M2.2x0.45	112.94	112.94	M20x2.5	230.59	230.59	M60x4.0	580.00	580.00
M2.5x0.45	112.94	112.94	M22x2.5	230.59	230.59	M62x2.0	600.00	600.00
M3x0.5	112.94	112.94	M24x3	265.00	265.00	M64x1.5	600.00	600.00
M3.5x0.6	112.94	112.94	M27x3.0	275.00	275.00	M64x4.0	620.00	620.00
M4x 0.7	112.94	112.94	M30x3.5	390.00	390.00	M68x1.5	730.00	730.00
M5x0.8	112.94	112.94	M33x3.5	410.00	410.00	M72x2	710.00	710.00
M6x1	141.18	141.18	M39x4.0	470.00	470.00	M75x2	770.00	770.00
M7x1	169.41	169.41	M40x1.5	470.00	470.00	M80x2	780.00	780.00
M8x1.25	169.41	169.41	M42x4.0	495.00	495.00	M90x2	800.00	800.00
M9x1.25	169.41	169.41	M45x4.0	510.00	510.00	M95x2	820.59	820.59
M10x1.5	169.41	169.41	M48x4.0	525.00	525.00	M100x2	850.00	850.00
M11x1.5	197.65	197.65	M50x1.5	540.00	540.00	M110x2	1080.00	1080.00
M12x1.75	188.24	188.24	M52x4.0	545.00	545.00	M115x2	1190.00	1190.00
M14x2	197.65	197.65	M56x4.0	560.00	560.00	M120x2	1200.00	1200.00
M16x2	197.65	197.65	M68x1.5	580.00	580.00	M126x2	1240.00	1240.00

CYLINDRICAL TUBE RINGS G

Threads	SO	NO	Threads	SO	NO
Price			Price		
inch	Euro Euro		inch	Euro Euro	
G1 / 8-28	195 195 198 198		G7 / 8-14	280 280 304 304	
G1 / 4-19	222 222		G1-11	366 366	
G3 / 8-19			G1 1 / 2-11		
G1 / 2-14	236 236 244 244		G2-11	477 477 725 725	
G5 / 8-14	265 265		G2 1 / 2-11	830 830	
G3 / 4-14			G3-11		

TUBE RINGS CONICAL R

Threads	Price
inch	Euro
R1 / 8	890
R1 / 4	933
R1 / 2	1202
R1	1545

RING TUBE CONICAL NPT

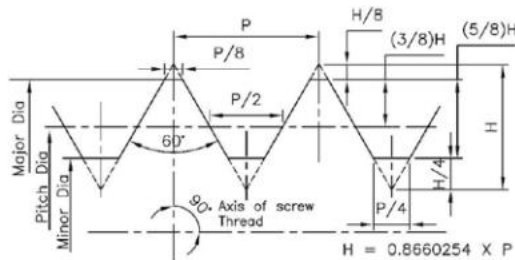
Thread	Price
inches	Euro
NPT1 / 8	930
NPT1 / 4	936
NPT3 / 8	945
NPT1 / 2	1224
NPT3 / 4	1244
NPT1	1575



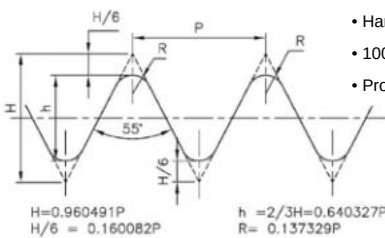
- DIN 2250 standard
- Hardness 58 HRC
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRC-group (Italy)



- ISO DIN 13 standard
- Quality 6g
- Hardness 58 HRC
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRC-group (Italy)



- ISO 228G standard
- Hardness 58 HRC
- 100% metrological control
- Production TRC-group (Italy)



- ISO 7R standard
- Hardness 58 HRC
- 100% metrological control
- Production TRC-group (Italy)



- American inch thread
- Hardness 58 HRC
- 100% metrological control
- Production TRC-group (Italy)



STANDS FOR CALIBRATION OF ROULETTEES AND RULERS



Code	Diap.	Diskr.	Error	Microscope Indication Movement	Tension	Calibration	Communication	Price
	mm	mm	mm					Euro
258010003	0-1000	0.001	± 0.010 + L / 65					WIRELESS + USB 2660
258020003	0-2000	0.001	± 0.015 + L / 50	microscope			rulers	WIRELESS + USB 3720
258030003	0-3000	0.001	± 0.020 + L / 40	with a 7-inch				WIRELESS + USB 4850
258030005	0-3000	0.001	± 0.020 + L / 40	display				WIRELESS + USB 5355
258050005	0-3000	0.001	± 0.020 + L / 40		50y	rulers and roulettes		WIRELESS + USB 9730

STANDS FOR CALIBRATION OF ROULETTEES AND RULERS



Code	Type	Diap.	Diskr.	Error	Display	Monitor	Move	Data Processing	Tension	Price
		mm	mm	mm					N	Euro
76814546220	BMG2000			0.001	0.05	Digital	LCD	manually	operator	28440
76814550220	BMG2000s	0-2000		0.001	0.05	PC with PC			n / auto	38004
76814560220	BMG2000BV			0.001	0.05		PC	motorization	auto	67030
76814546520	BMG5000			0.001	0.08	Digital		manually	operator	50349
76814550520	BMG5000s	0-5000		0.001	0.08				n / auto	66960
76814560520	BMG5000BV			0.001	0.08	PC with PC	PC	motorization	auto	93856
76814561020	BMG10000BV	0-100000	0.001		0.09		PC		auto	198900

STANDS AUTOMATIC FOR CALIBRATION OF LENGTH MEASURES



Characteristics	EMP II
Range, mm	0.5-100
Discreteness, microns	0.01
Classes KMD	0, 1, 2
Repeatability, microns	0.1
Error stand EMP II	0.03 + 0.002 * D
Software	41100
Euro price	QMSOFT Temperature 3990
module	3900

MANUAL STANDS FOR CALIBRATION OF LENGTH MEASURES



Characteristics	SKMD-01
Range, mm	0.5-150
Discreteness, microns	0.01
Calibrated blocks, class.	0, 1, 2
Category	3.4
Repeatability, microns Stand	0.02
price, Euro	3950



MICROTECH



- STP MK 19.06.005 MTU
- Manual stand calibration stand
- Microscope with LCD display
- Magnetic fixation of rulers
- Computer MICS display system
- Precision roller guides
- Precise supply system
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- Steinmeyer-Suhl standard
- Calibration stands for roulettes and rulers up to 10 meters long
- Manual, semi-automatic and automatic modifications
- Discreteness of 1 micron
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)



- Steinmeyer-Suhl standard
- Automatic stand for calibration of measures length
- Discreteness of 0.01 microns
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Steinmeyer-Suhl (Germany)



MICROTECH



- STP MK 11.11.005 MTU
- To calibrate length measures
- Discreteness of 0.01 microns
- Swiss display system
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

STANDS MANUAL UNIVERSAL CALIBRATION

Code	Diap.	Diskr.	Error Indication	Communication	Price
	mm	mm	mm		Euro
25111300 0-300		0.0001	± 0.002	computer	WIRELESS + USB 1090
25111500 0-500		0.0001	± 0.002	rized	WIRELESS + USB 1262
25111900 0-1000	0.0001		± 0.003		WIRELESS + USB 1575



- STP MK 15.07.009 MTU
- To calibrate indicators and gauges
- Discreteness of **0.1 microns**
- Computer **MICS** display system
- Wireless data transmission
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

MANUAL STANDS FOR CALIBRATION OF INDICATORS



0.1µm

Patent UA 99968
Patent UA 131773

Diap. code.	Diskr.	Error Indication	Communication	Price
mm	mm	mm		Euro
25111026 0-25	0.0001	± 0.0020	computerized	WIRELESS + USB 620



- STP MK 15.11.031 MTU
- To calibrate the IR and IR indicators
- Discreteness of **0.1 microns**
- Computer **MICS** display system
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

MANUAL STANDS FOR CALIBRATION OF INDICATORS

Code	Diap.	Diskr.	Error Indication	Position scale	Communication	Price
	mm	mm	mm	mm		Euro
25113025 0-25		0.0001	± 0.0020		computer	WIRELESS + USB 995
25113050 0-50		0.0001	± 0.0020		rized	WIRELESS + USB 1225
25113100 0-100	0.0001		± 0.0020		+	WIRELESS + USB 1655
25113150 0-150	0.0001		± 0.0020			WIRELESS + USB 1965



- STP MK 15.11.031 MTU
- For calibration of indicators IRB, ICB IRC
- Vertical type
- Discreteness of **0.1 microns**
- Computer **MICS** display system
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production of MICROTECH (Ukraine)

SEMI-AUTOMATIC STANDS FOR CALIBRATION OF INDICATORS



Characteristics Range,	809.1303	809.1301	809.1305	809.1304
mm Discreteness,	0-10	0-25	0-25	0-50
microns Error, microns	0.1	0.1	0.1	0.1
	0.6	0.8	1.0	1.2
Repeatability, microns	0.1		0.1	
Supply		manual		
Calibration software		+		
System price, Euro	9600	10200	9900	10400



- Sylvac standard
- To calibrate indicators
- Discreteness of **0.1 microns**
- Motorized drive
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production SYLVAC (Switzerland)

AUTOMATIC STANDS FOR CALIBRATION OF INDICATORS



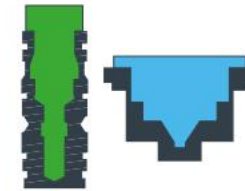
Characteristics	MFP 50	MFP 50BV	MFP 100	MFP 100BV
Type	n /	automaton	n / aut	automaton
Range, mm		aut 0-530		0-100
Discreteness, microns			0.01	
Supply error, microns		0.15		0.20
Repeatability, microns			0.1	
Optical reading Supply	-		-	cell
Metrological PC		motorized camera		
with printer Software Stand price,	+	+	+	+
Euro		Dialtest		
	38740	50500	46920	67500



- Steinmeyer-Suhl standard
- Automatic stand for calibration of indicators (complete with PC and software)
- Discreteness of **0.01 microns**
- **Control of micro and sub-micro indicators takes up to 3 minutes (100 points)**
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Steinmeyer-Suhl (Germany)



LIQUID TWO-COMPONENT MASS FOR CONTROL OF INTERNAL FORMS



- For control of internal forms (threads, grooves, radii, difficult forms, roughness) • Liquid two-component weight SRL
- Micron repeatability without adhesion
- Production Plastiform-Sylvac (Switzerland)



2x50ml	928.2001	928.2005	928.2101	928.2105
Type	SRL2	SRL3V	SRL5	SRL8
Set	2 cartridges 50 ml + 12 needles + 3 ends.			
Consistency	flexible flexible rigid		n / flexible	
Trimming cutter	-	-	+	-
Coefficient, flexibility	30%	20%	10%	0%
Price, Euro	129	129	129	154

400ml	928.3003	928.3004	928.3005	
Type	SRL2L	SRL5L	SRL7L	SRL8L
Kit	2 cartridges of 200 ml + 10 needles			
Consistency	flexible	n / flexible n / rigid	n / hard	
Trimming cutter	-	-	-	-
Coefficient, flexibility	20%	5%	0%	0%
Price, Euro	175	175	175	175

1.7l	928.8001	928.8005	928.8007	928.8009
Type	SRL2XL	SRL7XL 1.7l (2 canisters850ml)		SRL8XL
Set				
Consistency	flexible	n / flexible n / rigid		n / hard
Trimming cutter	-	-	-	-
Coefficient, flexibility	20%	5%	0%	0%
Price, Euro	372	372	372	372

10.2y	928.8002	928.8006	928.8008	928.8010
Type	SRL2XXL	SRL5XXL	SRL7XXL	SRL8XXL
Kit	10.2l (2canisters5.1l)			
Consistency	flexible	n / flexible n / rigid		n / hard
Trimming cutter	-	-	-	-
Coefficient, flexibility	20%	5%	0%	0%
Price, Euro	1923	1923	1923	1923

ACCESSORIES



Code	Features	Price
	Euro	
928.1001	Hand gun for 50ml cartridges Hand gun for	196
928.1207	400ml cartridges Spray surface cleaner 1l Kit	387
928.1205	knife + with accessories	38
928.1001		395

MANUFACTURER OF TESTED INSTRUMENT SINCE 1995

CEMENT TWO-COMPONENT MASS FOR EXTERNAL FORM CONTROL



- For control of external forms (threads, grooves, profile, roughness) • Cement two-component weight SRC
- Micron repeatability without adhesion
- Production of Plastiform-Sylvac



2x50ml	928.2109	928.2113	928.2111
Type	SRy3	SRy8Ra	SRy10
Set	2 cartridges 50 ml + 12 needles + 3 ends.		
Consistency	flexible	n / flexible	tough
Trimming cutter	+	-	-
Coefficient, flexibility	20%	0%	0%
Price, Euro	129	129	129

DOUGH-like TWO-COMPONENT MASS



- For control of external forms (threads, grooves, grooves, surfaces) • Dough-like two-component mass SRD
- Micron repeatability without adhesion
- Production of Plastiform-Sylvac



2x45ml	928.7004	928.7006	928.7008
Type	SRD6	SRD7	SRD9
Set	2packs45ml		
Consistency	n / flexible	n / flexible	tough
Trimming cutter	+	+	-
Coefficient, flexibility	5%	5%	0%
Price, Euro	65	65	65

2x450l	928.7003	928.7005	928.7007	928.9001
Type	SRD6XL	SRD7XL	SRD9XL	SRD9KV-AD
Set	2packs450ml			
Consistency	n / flexible	n / flexible rigid		n / flexible
Trimming cutter	+	+	-	+
Coefficient, flexibility	5%	5%	0%	5%
Price, Euro	456	393	429	436

MOLDING MASS FOR FORM CONTROL AND SEALING



- For control of external forms (consolidation, copying of the form) • Forming weight SRF (recyclable)
- Micron repeatability without adhesion
- Production of Plastiform-Sylvac

500 / 1000g	928.4001	928.4002
Type	SRF	SRF-L
Set	500g	1000y
Consistency	hard	tough
Trimming Cutter	-	-
Price, Euro	90	167

USB CAMERAS FOR MICROSCOPES

	KM05	KM38
Type Matrix, MP	5	38
Distribution, pixel	2592x1944	7120 * 5344
Pixel size, ym Matrix	2.2 × 2.2	1,335 × 1,335
Control panel	1 / 2.5 "	Panasonic 1 / 2.3 "
Communication Object	-	+
micrometer	USB	USB, HDMI
Camera price, Euro	0.01	0.01
	199	390



USB CAMERAS FOR MICROSCOPES

Type Matrix, MP 5 Dist	MU-600,	MU-900 9	MU-1400	MU-1800
pix 2592x1944 Pixel size, ym 2.2 ± 2.2			14	18
2.5 " Matrix Object micrometer	3488x2616	4096x3288	40912x3684	
price, Euro 510	1.6x1.6 1 /	1.4x1.4 1 /	1.25x1.25	
	2.4 " 0.01	2.3 " 0.01	1 / 2.3 "	
	655	945	0.01	
			1170	

CAMERAS FOR MICROSCOPES WITH DISPLAY



	KMI2	KMA5	KMW5
Type Matrix, MP	2	5	5
Distribution, pixel	1600x1200	2592x1944	2592x1944
Pixel size, ym Matrix	-	2.2 × 2.2	2.2 × 2.2
Display	1/2	Aptina 1 / 2.5 "	Aptina 1 / 2.5 "
	5 "	10 "	10 "
Functions	indication	indication, measurement, transfer and save an image	
System	-	Android Windows 10	
Software Communication	-	+	+
Object micrometer	-	Wi-fi, USB, Bt, HDMI, TF card	
Camera price, Euro	-	0.01 0.01	
	175	850 990	

DIGITAL MONOCULAR MICROSCOPES

MOC-1000



MOD-1200



- MICROTECH standard
- It is completed with a rack
- Microscope MOD-1200 is equipped with a remote control, rack with 2 LED lights • Connect via USB or Wi-fi to PC or Android, iOS tablets, TV smartphones
- Manufactured under the control of MICROTECH

Type	More. Camera Backlight Display Battery Transfer Tripod Price
	lattice Mp image of the euro
MOTS-1000 50-1000x	2 LED - + Wi-Fi 99 +
MOD-1200 1-1200x	12 2xLED LyD 7 ' + USB 220 +

COUNTING MICROSCOPES

Type	Increase Focus Field of View Scale Supply Backlight Price
	fold mm mm mm Euro
MOO	50x, 100x 30 2.5 0.01 - + 210
IOM-20	20x 30 6 0.01 + - 330



COMPARISON MICROSCOPES (CRIMINAL)

Characteristic Base	MS-1	MS-3	MS-5M
magnification, times Glasses	100-1600x	3.36-216x	2.7-255x
	WF10x, WF16x	WF10x, WF20x	WF10x, WF20x
Lenses	10x 40x 100x	zoom 0.7x, - 4.5x lenses 0.4x, 2x	zoom 0.7-4.9x lenses 0.3x, 2x
Table	2 pieces with a precise supply		
Pool holder	-	2 pcs prof. 2 pcs	
Focusing PC tp	manually	manual	motorization
analysis software Camera	-	option	+
Backlight Price of	option		
basic MMPO, Euro	+	LED Pro	LED Pro 2x
	3300	2x 10500	45600



- MICROTECH standard
- Installation in a trinocular or eyepiece
- Complete software •
- Complete the object with a micrometer and adapters for installation in binoculars and trinoculars

- Manufactured under the control of MICROTECH



- Installation in a trinocular or eyepiece
- Professional software with advanced processing and measurement capabilities •
- Complete with micrometer and adapters for installation in binoculars and trinoculars

- Manufactured by AMSCOPE (USA)



- MICROTECH standard
- Installation in a trinocular or eyepiece
- Complete software •
- Complete the object with a micrometer and adapters for installation in binoculars and trinoculars
- Modifications of the camera with built-in 10 "
- Android or Windows computer with measurement software
- Manufactured under the control of MICROTECH



PROFESSIONAL ZOOM STEREO MICROSCOPES



Characteristics Order	SMO SMT 330105001	SMO-3D
code Type	330105003 BINOCULAR	330105002
Magnification	TRINOCULAR 8-50x 8-50x 4-300x	BINOCULAR 3D
Optional	4-300x WF10x / 22 -2pcs.	8-50x
magnification Points base		4-300x
ZOOM magnification	0.8-5.0x with fixing positions	
Working distance	115mm	
Interpupillary distance	52-75mm	
Maximum sample height Tripod	215mm 215mm	
Illumination Microscope	precision supply upper	rotary departure of 400 mm
price, Euro MICROSCOPES	and lower LED 449 565	top LED
METALLOGRAPHIC TRINOCULAR		795



Characteristic	STRAIGHT		INVERTED
	IMO	MMU	IMV
Order Code Table	330107001	330107003	330107007
Location Basic	upper lower 1000x-1000x 50x		upper
Magnification, Multiple Optional	-600x 100x-1600x 50x-1600x		50x-500x
Magnification, Multiple Basic			50x-1600x
Glasses Basic Objective	WF10x	WF10x	WF10x, WF10x scale
Objective Table, mm	10x, 20x, 40x, 100x 5x, 10x, 40x, 60x		5x, 10x, 20x, 50x
Movement, mm Polarization	180x150 210x140 75x50 15x15		210x180
Filters Microscope Price,			50x50
Euro Lens Option 100x,	+	+	+
Euro WF16x Glasses	+	+	+
Option	1795	1690	2390
	+	125	350
	150	150	150

PORTABLE METALLOGRAPHIC PORTABLE MICROSCOPES



Characteristics Basic	MMPO-400	MMPO-960
magnification, times Glasses	40x-400x	40x-960x
Lenses Illumination	WF10x	WF10x, WF16x
Price of basic MMPO,	4x 10x 40x 4x 10x 40x 60x	
Euro Magnetic base,	LED	LED
Euro Price of USB camera 5MP,	590 930	
Euro Price of camera with	290 290	
monitor, Euro	199 199	
	390 390	



- MICROTECH standard
- Modern ZOOM lens with smooth zoom and capture of whole magnifications
- High quality optics
- Magnification up to 300 times
- Bases with precision drive
- Modification with binocular or trinocular

- LED backlight •
- Optional 5 MP camera upgrade
- Assembly and adjustment of MICROTECH

OPTIONS FOR MICROSCOPES		
Code	Type	Price
		Euro
330105013	Eyeglass WF15x	99
330105014	Glasses WF20x	99
330105015	Glasses WF25x	109
330105016	Glasses WF30x	109
330105011	Barlow lens 0.5x Lens	95
330105015	2x Camera 5MP	99
330100050		199



- STP MK 04.10.003 MTU
- Revolving mechanism for 4 lenses
- Upper or lower table with precise supply
- Inverted or straight microscopes
- Optional digital camera
- Assembly, assembly and adjustment of MICROTECH (Ukraine)

OPTIONS FOR MICROSCOPES		
Code	Type	Price
		Euro
330100001	Object micrometer 0.01mm	70
330100050	Camera 5MP Camera	199
330100380	38MP Camera with 10	390
330105500	"display	700



- STP MK 12.07.001 MTU
- Portable metallographic microscopes for operational control
- High quality optics
- Optional upgrade with magnetic base and software camera
- Production of MICROTECH (Ukraine)

MACHINE FOR CUTTING METALLOGRAPHIC SAMPLES



URMO-55



URMO-80



URMO-180A

- STP MK 19.06.006 MTU
- For cutting metallographic samples
- Modifications with manual or software control
- Manufactured under the control of MICROTECH

Type	Swing, D sample mm	Cutting disc mm	Frequency rotating min-1	Power W	Backlight LED	Tank Price Euro
URMO-55 manual 55	55	300y2y32	2800	2.2	-	1440
URMO-60 manual 60	60	250x2x32	2800	2.2	LED	60 2980
URMO-80 manual 80	80	250x2x32	2800	2.2	LED	60 3330
URMO-100 manual 100	100	300y2y32	2800	3.0	LED	60 4450
URMO-120A submachine gun 120	120	350y2,5y32	600-2800	3.0	LED	60 5750
URMO-180A submachine gun 180	180	400y2,5y32	600-2800	4.0	LED	60 6550
		500y4y32	100-3000	11.0	LED	250 66300

GRINDING AND POLISHING MACHINES



USHPO-7AT



USHPO-5T



USHPO-3

- STP MK 19.06.007 MTU
- For grinding or polishing metallographic sections
- Digital or computer display
- Modifications with 1 or 2 disks
- Modifications with polishing heads
- Manufactured under the control of MICROTECH

Type	Qty disks	D disk, Polishing mm	Frequency min-1	Magnetic mounting disks N	polishing head Clamp frequency min	Indication	Supply Coolant	Engine Price W Euro
USHPO-2 manual 1	1	250 300/600	200 230	+	-	Digital Digital	+	375 1690
USHPO-4 manual 1	1	50-1000	250 50-1000	-	-	Digital 7	+	550 2150
USHPO-5 T manual 1	1	250 250	50-1000 250 250	+	-	"Touchscreen"	+	550 2580
USHPO-6 NT n / auto	2	50-1000	250 250 50-1000	+	-	7"	+	550 3150
USHPO-7 1 manual 2	2	250 250	50-1000 250 250	+	-	"Touchscreen"	+	550 3990
USHPO-7 2 manual 2	2	250 250	50-1000 250 250	+	-	"Touchscreen"	+	550 4950
USHPO-7 3 manual 2	2	250 250	50-1000 250 250	+	-	"Touchscreen"	+	550 5690
USHPO-7 4 manual 2	2	250 250	50-1000 250 250	+	-	"Touchscreen"	+	700 9850
USHPO-7 5 manual 2	2	250 250	50-1000 250 250	+	-	"Touchscreen"	+	700 11480

THERMOPRESS FOR METALLOGRAPHIC SAMPLES



PMO-22



PMO-22 T

Type	D sample mm	Indication	Tempo. control	Cool marriage	Price Euro
PMO-22 manual	22	Digital Digital	+	-	1050
PMO-30 manual	30	Digital 7	+	-	1080
PMO-45 manual	45	"Touchscreen"	+	-	1110
PMO-22 T	22	7"	+	+	4740
PMO-30 T	30	"Touchscreen"	+	+	4800
PMO-45 T	45	7" Touchscreen	+	+	4850

- STP MK 19.06.008 MTU
- Modifications for different sample diameters
- Automatic or manual temperature control
- Digital or computer display
- Manufactured under the control of MICROTECH

MICROSCOPES AND VIDEO MICROSCOPES

MEASURING MICROSCOPES



Characteristics	MMI -C	BMI-C	UIM-21Ts
Range of measurements by a	100x50x90	150x50x100	200x100x100
suspension bracket, mm	30x	10-50x	10-50x
Increase, multiplicity Diameter of	115	190 10	260x270
a working table, mm Discreteness of	1		1
reading by a suspension	2 + L /	2 + L /	1 + L / 100
bracket, microns Error, microns	50 + 360 °, step 1 '	50 + 360 °, step	± 360 °, step 1 '
Rotation of a head of a city		1' + 12 °, step	± 12 °, step 30 '
Tilts of a column		30' 20	40
	2 600x350x530	720y460y600	1300y1250y800
	46 8700	90 21000	450
			35000

- STP MK 04.10.003 MTU
- Measuring microscopes are used to measure external and internal linear and angular dimensions in rectangular and polar coordinates, threads, patterns, patterns, cones, distances between centers • Complete with digital display unit

- LED backlight
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly and adjustment of MICROTECH

VIDEO-MICROSCOPES MEASURING PROJECT X



Characteristics	PRX-M	PRX-C
Measuring range, mm	400x300x125	400x300x125
Operating mode	manual 0.5	automatic
Discreteness of reference, microns Error, microns	7.5 10	0.5
Field of view, mm Control	PC with	10
system Display Dimensions, mm Weight, kg	Aberlink3D software	22 "monitor
Price, Euro	583y722y670	120
	15200	22400



- Aberlink standard
- Video microscopes measuring Aberlink modern replacement for microscopes BMI, MMI, UIM
- Aberlink video microscopes allow scanning of objects at a speed of 5000 points / sec.
- Specialized software allows you to analyze and compare details with CAD models
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured by Aberlink (UK)

VIDEO-MICROSCOPES MEASURING SYLVAC VISIO



Characteristics	Visio200	Visio200	Visio300
Measuring range, mm Error	200x100x150		300x200x150
X, Y Error Z	2.0 + 10L / 1000		2.0 + 4L / 1000
Discreteness, mm	3.9 + 10L / 1000		3.9 + 4L / 1000
Magnification	0.001		
Magnification system	24-144x		
Complete set Table load, kg Weight, kg Price, Euro	manual 6.5x motorized 6.5x	Computer with Sylvac Vista software	
	10 16	98	170
	24700	26900	32200



- Sylvac standard
- Video microscopes allow you to accurately measure complex patterns, boards, radial patterns, cams, stamped parts and more
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)

VIDEO-MICROSCOPES MEASURING VENTURE TOUCH



Characteristics	2510-M	2510-T	2510-CNC	3030-T	3030-CNC	4030-CNC
Measuring range, mm	250x125x155			300x300x155		400x300x125
Discretion of reference, microns	0.5			0.5		0.5
Optical system Autofocus	Zoom 6.5: 1			Zoom 6.5: 1		-
Z coordinates Operating	-	+	+	+	+	+
mode Control system	manual	auto	handheld	auto	auto	
Display Price, Euro						
Optional contact						22 inches
probe, Euro	23900	27400	35700	29500	40400	3550 3550 19700



- Baty standard
- Video microscopes allow you to measure with high accuracy complex templates, boards, radial patterns, cams, stamped parts • Modern software for measuring parts and working with templates
- CNC modifications with automatic mode
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Baty (United Kingdom)

OPTICAL PROJECTORS



- Baty standard
- Modern optical projectors to control flat parts of complex configurations
- Projectors allow you to measure complex patterns, boards, radial patterns, cams, stamped parts, etc.
- Digital 2 coordinate or computerized indication system with modern metrological software Fusion Touch and automatic edge finder.

- The price of the projector does not include the cost of the lenses
- 100% metrological control

Calibration ISO 17025: 2017

- Production Baty (United Kingdom)



Characteristics Range	SM300	R14-XLS	R14-FT2-E	R400-XLS	R400-FT2-E	SM20	R600-FT2-E
XY, mm Dimensions	150x50	175x100		300x150			
of the table, mm	340y152	325x100		480x127	250x125	450x200	
Diameter of the screen	312	340		400	500	600	
Discreteness, mm	0.001	0.0005		0.0005	0.0005	0.0005	
Angular discreteness, deg increase	0.01 °	0.01 °		0.01 °	0.01 °	0.01 °	
error,%	0.1%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
Indication system	digital	digital	built-in touch PC with software	digital	built-in touch PC with software	built-in touch PC with software	built-in touch PC with software
Edge finder Price,			automaton.		automaton.	automaton.	
Euro	7400	9200	11600	13300	16300	19600	51500

HORIZONTAL BENCH PROJECTORS 52 REFLEX-CLICK



Characteristics	902.5520	902.5521
Diameter of a detail, mm	0.5-52	0.5-52
Max. length, mm	300 0.1	300
Discreteness, microns	1.5 +	0.1
Error of diameter, microns Error	D / 100 4 +	1.5 + D / 100
of length, microns Repeatability,	D / 100 0.6	4 + D / 100
microns		2.5
Grandmother	irreversible for static measurements	rotary for dynamic measurements
Max weight of a detail, kg		4
Weight, kg Price,	4	103
Euro	103 39050	46800



- Sylvac standard
- Measurement of diameters, angles, beating, cylindricality, roundness, threads, straightness and more
- Contactless measurements
- Fully automated measurement process

- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)

OPTICAL BENCH PROJECTORS SYLVAC SCAN



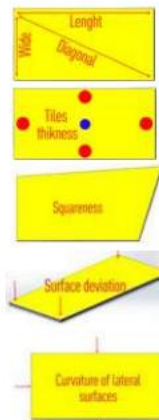
Features	902.4060	902.4065	902.4062	SCAN F60 SCAN	902.4067	902.4145	902.4147
	F60T SCAN F60L	SCAN F60LT	0.2-64	0.2-64	300	500	0.0001
Max. Part diameter, mm Maximum					0.2-145	615	0.2-145
length, mm Discreteness, mm							1280
Repeatability Diameter error,							
ym Length error, ym Thread	0.5	1	0.5	1	0.5	1	
measurement Swivel head Max.			1 + D / 100			1.5 + D / 100	
weight of a detail, kg Weight, kg			3 + L / 200			4 + L / 200	
Price, Euro							
	+	+	+	+	+	+	+
	10	10	10	10	60	10	
	265	265	330	330	530	650	
	65200	82600	73700	93500	113300	134700	



- Sylvac standard
- Machines for non-contact measurement of cylindrical parts
- Measurement of lengths, distances, diameters, angles, beats, cylindricality, cones, straightness, complex details
- Adapted to shop use
- Fast automatic scanning
- Discreteness of **0.1 microns**
- Automated measurement process
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production SYLVAC (Switzerland)



CERAMIC TILES CONTROL STANDS



Patent UA ý142056
U.S. Patent ý10184772

Code	Diap.	Diskr.	Error	Indication	Communication	Price
	mm	mm	mm			Euro
27720900	100-900	0.001	± 0.1	computerized display	WIRELESS + USB	5683
27721800	100-1800	0.001	± 0.1	system	WIRELESS + USB	6563
27723800	100-2800	0.001	± 0.1	MICS	WIRELESS + USB	8123

2D STANDS OF CONTROLLING THE STRAIGHTNESS OF PIPES



Free software for Windows, Android, iOS



Patent UA ý99686

Code Chord.	Diap.	Z	Diskr.	Error	Indication	Communication	Price
	X	mm	mm	X	Z		Euro
27750900	2D	0-900	0-12	0.0001	± 0.040	± 0.002 computerized ± 0.002	WIRELESS + USB 2937
27751800	2D	0-1800	0-12	0.0001	± 0.080	indication system	WIRELESS + USB 4209
27752800	2D	0-2800	0-12	0.0001	± 0.120	± 0.002 MICS	WIRELESS + USB 4953

BOTTLE CONTROL STANDS



Code	Type	Diap.	Height bottles	Diskr.	Error	Indication	Communication	Price
		mm	mm mm mm					Euro
254910000 PKVO -100		20-100	310	0.001	0.05	computerized MICS	WIRELESS + USB	3560
254910000 PKVK-100			310	0.0001	0.04	indication system	WIRELESS + USB	3980

BIINIMERS



Code	Type	Intercenter. distance	Height centers	Max. D details	Error	Price
		mm	mm	mm	mm	Euro
254050000 PB-500		500	170	270	0.018	1180
254100000 PB-1000		1000	170	270	0.026	1630
254150000 PB-1500		1500	170	270	0.035	2430
254200000 PB-2000		2000	170	270	0.040	4360

ROUND METERS



Characteristics	R100	R250
Diameter of a table, mm	160	250
Maximum diameter of a detail, mm Maximum	300	500
loading on a table, kg Error of a table, microns Stroke	20	50
of a column, mm Straightness, microns	0.1	0.1
Speed of measurement, mm / s Stroke	400	300
of a measuring arm, mm Weight, kg Price,	0.8 0.8	
Euro	0.5-2 0.5-2	
	175 300	
	58 280	
	32500 44800	



- STP MK 08.02.001 MTU
- To control the geometric dimensions of ceramic tiles and slabs
- QC module for batch control and archiving of results
- Lightweight portable design
- 100% metrological control
- Calibration ISO 17025: 2017
- Development of MICROTECH 2019
- Production of MICROTECH (Ukraine)



- STP MK 08.02.001 MTU
- To control the flatness of the pipes
- QC module for archiving results
- 100% metrological control
- Calibration ISO 17025: 2017
- Development of MICROTECH 2019
- Production of MICROTECH (Ukraine)



- STP MK 08.02.001 MTU
- To control the beating of bottles or other cylindrical parts
- 100% metrological control
- Calibration ISO 17025: 2017
- Development of MICROTECH 2019
- Production of MICROTECH (Ukraine)



- STP MK 08.02.001 MTU
- To control beating
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)



- SM-instruments standard
- To measure roundness, flatness, cylindricality, taper, beating, parallelism, etc.
- Fully automated measurement process
- Complete with CIRCOM software
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of SM instruments (Italy)

VERTICAL OPTIMETERS

Features	IKV-3 IKVC-01	
	vertical	
Indication	optical	digits.
Range, mm	0-180	
Discreteness,	1	0.01
microns Error,	± 0.25	
microns	2 ±	2 ± 0.2
Measurement, effort, N	1500, 1200	4950



- Standard MK 12.12.002 MTU
- For contact measurements of linear dimensions by comparison • ICVC with digital Swiss indication system with large touch display

- 100% metrological control •
- Calibration ISO 17025: 2017 •**
- Production of MICROTECH (Ukraine)

HORIZONTAL OPTIMETERS

Features	ICG-3 ICGC-3	
	horizontal	
Indication	optical	digits.
Range, mm	0-500	
Discreteness,	1	0.01
microns Error,	± 1 + 0.005L	
microns	2 ± 0.5	2 ± 0.5
Measurement, effort, N	1500, 1200	4950



- Standard MK 12.12.002 MTU
- For contact measurements of linear dimensions by comparison • ICGC with digital Swiss display system with large touch display

- 100% metrological control •
- Calibration ISO 17025: 2017 •**
- Production of MICROTECH (Ukraine)

REPAIR OF OPTIMETERS

Replacement of the optimizer tube - from 2400 Euros

Finishing of the plane of the stroller - from 250 Euros

Replacement of ICG arches - from 2800 Euros

Scraping of ICG guides - from 400 Euro

MEASURING MACHINES type IZM

Features	KLM60	
	direct	
Range, mm	internal	60
	external	90
	external	120
Maximum error, microns	internal	0.08 + 1 * 10 ⁻⁶ * L
	external	0.15 + 1 * 10 ⁻⁶ * L
Repeatability, μm 0.1 / 0.2		
Discreteness, μm 0.01		
Measuring force, H 0.5-1 Weight, kg 40		
Indication interface PU41		
Temperature compensation option		
Base price, Euro 45990		



- Steinmeyer standard
- Small precision measuring machines
- Provides the ability to measure internal and external dimensions, control rings and plugs smooth and threaded, wires and cylinders

- Digital display via software and PC
- 100% metrological control
- Calibration ISO 17025: 2017**
- Production Steinmeyer-Suhl (Germany)

MEASURING MACHINES type IZM



Features	IZM-1	IZM-2	IZM-3
Range, mm	internal	13.5-900	13.5-1900
	external	0-1000	0-2000
Maximum error, microns Table		0.6 + L / 200	13.5-2900
movement Table loading, kg		40x70	0-3000
Discreteness, microns Measuring		to 10	
force, N Indication Price, Euro		1	
		1.5-2: 5	
		projection	
	58700	68950	83300



- Standard MK 12.12.002 MTU
- IZM projection measuring machines for control of internal and external dimensions by comparison with approximate length measures
- Equipped with options
- 100% metrological control •
- Calibration ISO 17025: 2017 •**
- Production of MICROTECH (Ukraine)



HORIZONTAL LENGTH METERS HORIZON SETTING

Characteristics	HS500	HS1000	HS1500	HS2000	HS3000
Range, mm	550	1050	1550	2050	3050
Maximum error, microns	0.7 + L / 1000				
Repeatability, microns	0.5	0.5	0.5	0.5	0.5
Discreteness, microns	0.1	0.1	0.1	0.1	0.1
Measuring force, N Weight,	15				
kg Indication Price	94	123	152	181	239
of a basic complete	Trimos display				
set, Euro	22300	25900	31400	42200	63900

HORIZONTAL LENGTH METERS HORIZON PREMIUM

Characteristics	HP500	HP1000	HP1500	HP2000	HP3000
Range, mm	550	1050	1550	2050	3050
Maximum error, microns	0.7 + L / 1000				
Repeatability, microns	0.2	0.2	0.2	0.2	0.2
Discreteness, microns	0.1	0.1	0.1	0.1	0.1
Measuring force, N Weight,	0-12 (adjustable)				
kg Indication Price	94	123	152	181	239
of long-range HPA,	HPA-Hendehein display / HPD-PC with software				
Euro Price long-range HPD,	34300	40600	49000	48600	72300
Euro	42900	56000		76700	99750

HORIZONTAL LABCONCEPT LENGTH METERS

Characteristics	LABC500	LABC1000	LABC1500	LABC2000
Range, mm	550	1050	1550	2050
Maximum error, microns	0.3 + L / 1500			
Repeatability, microns	0.1	0.1	0.01	0.01
Discreteness, microns	0.01	(adjustable)		0.01
Measuring force, N				
Weight, kg	94	123	152	181
Indication Price	PC with			
of a basic complete set, Euro	53900	61000	software 77200	94300

LABCONCEPT PREMIUM HORIZONTAL LENGTH

Characteristics	LABCP300	LABCP500	LABCP1000
Range, mm	370	550	1050
Maximum error, microns	0.1 + L / 2000		0.15 + L / 2000
Repeatability, microns	0.05	0.01	0.05
Discreteness, microns		0.01	0.01
Measuring force, N Weight,	0-12 (adjustable)		
kg Indication	78	95	125
Price of a basic	PCs with		
complete set, Euro	50900	65500	software 77200

HORIZONTAL LENGTH METERS LABCONCEPT NANO

Characteristics	LABC-NANO350	LABC-NANO600	LABC-NANO1100
Range, mm	350	600	1100
Maximum error, microns		0.07 + L / 2000	
Durability, microns	0.03	0.03	0.03
Discreteness, microns	0.001	0.001	0.001
Measuring force, N Weight,	15		
kg Price of a	350	420	500
basic complete set, Euro	106200	117900	126500



- Precision horizontal long meters with a wide range of equipment
- Provides the ability to control and calibrate micrometers, brackets, micrometer gauges, indicators and lever indicators, length measures, smooth and threaded caliber rings, caliber plugs, caliber calipers

- The price is specified for a basic complete set
- Package kits save up to 50% of the cost of the kit
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production TRIMOS (Switzerland)



Calibration of micrometers



Calibration of micrometers



Calibration of stoppers



Calibration of ring calipers



Calibration of lever indicators



Calibration of indicators



Calibration of KMD



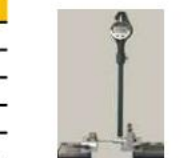
Calibration of brackets



Calibration of threaded caliber rings



Calibration of threaded gauge plugs



Calibration of indicator gauges



Calibration of calipers

3D MEASURING HANDS



AVAILABLE

Type	Chord. Diap. Error Repeat. Weight				Price	
	mm	mm	mm	µm	kg	Euro
A3-1300	6	1300	0.015	0.008	9.5	24900
A3-1800	6	1800	0.018	0.008	10.4	26400
A4-1800	6	1800	0.025	0.018		28900
A4-2500	6	2500	0.036	0.022	7.9	29900
A4-3200	6	3200	0.045	0.032	8.4	30900
A5-1800	6	1800	0.020	0.012	8.7	32800
A5-2500	6	2500	0.026	0.016	8.9	34200
A5-3200	6	3200	0.036	0.020	9.3	35900
A5-4000	6	4000	0.046	0.024	10.0	39200
A6 + -1800	7	1800	0.027	0.017	8.9	35940
A6 + -2500	7	2500	0.034	0.021	9.4	36900
A6 + -3200	7	3200	0.045	0.026	9.8	38900
A6 + -4000	7	4000	0.056	0.030	10.5	42800
A7-5000	6	5000	0.065	0.038	12.5	46500
A7-7000	6	7000	0.080	0.048	14.0	48900
A7-9000	6	9000	0.100	0.060	16.5	51700
A8 + -5000	7	5000	0.075	0.050	13.5	51400
A8 + -7000	7	7000	0.090	0.060	15.0	56900
A8 + -9000	7	9000	0.110	0.070	17.5	61500



- Measuring arms for shop inspection of large parts

- Precision series of measuring hands
- Can be retrofitted with optical 3D scanner and software (on request)
- Modification for measuring pipes
- Intuitive software from Aberlink (optional)

- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRIMOS (Switzerland)



LASER SCANNER

Type	Fast. Diskr.	Working. diap.	Working resp.	Compatible	Price
	point / sec	mm	mm		Euro
PRECITRACK PR-3D 348000 19		up to 100 to 190		A6, A8	30900
NIKON MMD					37700



3D AUTOMATIC KVM PORTABLE



- Portable automatic 3D coordinate measuring machine for 3D • Built-in rechargeable battery and weight of 13.6 kg gives real portability of KVM
- Renishaw probes
- Automatic machine with 3 or 4 coordinates
- Intuitive Aberlink software (optional)
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRIMOS (Switzerland)

Type	Coord Range.	Error	Fast. work	Weight	Price
	mm	µm	mm / sec	kg	Euro
C4	D700x250	4	3 + L / 100	150	13.6
					39990



3D AUTOMATIC KVM WORKSHOP

- Portable automatic 3D coordinate measuring machine for 3D control of parts that does not require a compressor and foundation

- Renishaw probes
- Intuitive Aberlink software (included)
- COMPLETE COMPLETE - price includes Aberlink PC, PC and software
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured by Aberlink (UK)

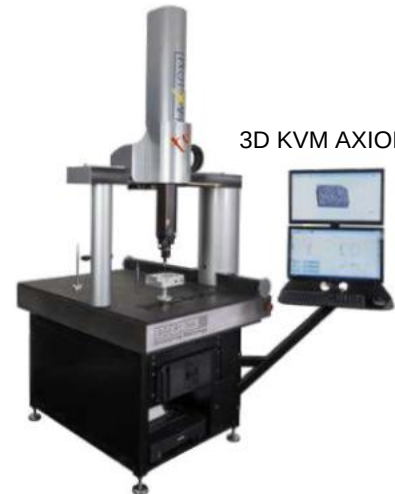
Type	Disc range.	Error	Fast. work	Navant. table	Price
	mm	µm	mm / sec	kg	Euro
EXT-370	D370x270	0.1	2.6 + 0.4L / 100	750	200
					27500
EXT-520	D520x270	0.1	2.6 + 0.4L / 100	750	200
					34500



3D KVM LABORATORY



3D KVM HORIZON



3D KVM AXIOM

Type	Type	Range	Diskr. Error	Fast. work	Navant. table	Price
		mm	ȳm	ȳm	mm / sec kg	Euro
3D KVM AXIOM TOO MANUAL / AUTOMATIC						
AX2-6-M	manually	640x600x500	0.5	2.4 + 0.4L / 100	600	500
AX2-9-M		640x900x500	0.5	2.4 + 0.4L / 100	600	500
AX2-12-M		640x1200x500	0.5	2.4 + 0.4L / 100	600	500
AX2-6-C	auto.	640x600x500	0.5	2.1 + 0.4L / 100	600	500
AX2-6-HS		640x600x500	0.1	1.8 + 0.4L / 100	866	500
AX2-9-C		640x900x500	0.5	2.1 + 0.4L / 100	600	500
AX2-9-HS		640x900x500	0.1	1.8 + 0.4L / 100	866	500
AX2-12-C		640x1200x500	0.5	2.1 + 0.4L / 100	600	500
AX2-12-HS		640x1200x500	0.1	1.8 + 0.4L / 100	866	500 500
AX2-15-C		640x1500x500	0.5	2.1 + 0.4L / 100	600	500
AX2-15-HS		640x1500x500	0.1	1.8 + 0.4L / 100	866	500
3D KVM HORIZON AUTOMATIC						
HO-10-SG	auto.	1000x800x600	0.1	1.75 + 0.4L / 100	1020	1000
HO-15-SG		1500x800x600	0.1	1.75 + 0.4L / 100	1020	1000
HO-20-SG		2000x800x600	0.1	1.75 + 0.4L / 100	1020	1000
3D KVM ZENITHAUTOMATIC						
ZN3-108	auto.	1000x1000x800	0.5	2.4 + 0.4L / 100	600	1500
ZN3-158		1000x1500x800	0.5	2.4 + 0.4L / 100	600	(4400)
ZN3-208		1000x2000x800	0.5	2.4 + 0.4L / 100	600	
ZN3-258		1000x2500x800	0.5	2.4 + 0.4L / 100	600	
ZN3-308		1000x3000x800	0.5	2.4 + 0.4L / 100	600	
3D KVM AZIMUTHAUTOMATIC						
AZ-10	auto.	1200x1000x1000	0.1	2.6 + 0.4L / 100	650	1500
AZ-15		1200x1500x1000	0.1	2.6 + 0.4L / 100	650	(6000)
AZ-20		1200x2000x1000	0.1	2.6 + 0.4L / 100	650	
AZ-25		1200x2500x1000	0.1	2.6 + 0.4L / 100	650	
AZ-30		1200x3000x1000	0.1	2.6 + 0.4L / 100	650	

OPTIONAL HEADS AND SOFTWARE

The head	Type	Scan module	Sensor	Price
				Euro
MH20i	manually	-	TP20-1y	2990
RTP20	auto.	-	TP20-1y	4790
PH10T	mechanism.	-	TP20-1y	15950
PH6M	scanning	SM25-2	SH-25-2-y	16500
PH10M	scan-fur.	SM25-2	SH-25-2-y	24900
CCD-USB	optical	Optical measurement set		7300

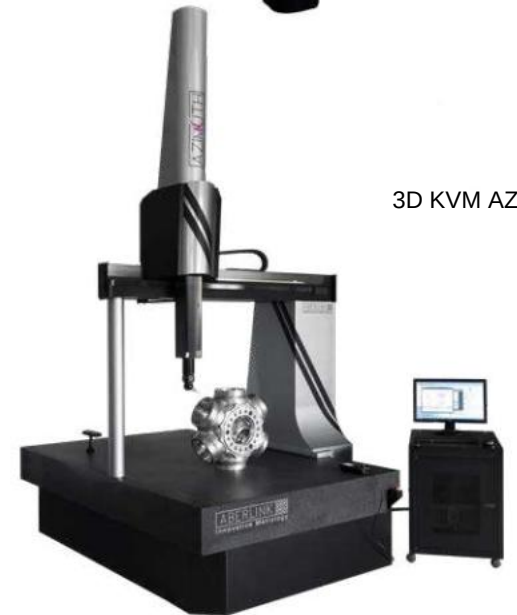


- Manual and automatic 3D coordinate measuring machines for 3D control of parts
- Intuitive software from Aberlink allows you to monitor the model or build it based on measurement results

- Vibration protection as standard
- Can be equipped with optical head, CAD modules, special probes and heads
- Optional thermal compensation
- COMPLETE EQUIPMENT - price includes Aberlink computer, industrial PC and software
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured by Aberlink (UK)



3D KVM ZENITH



3D KVM AZIMUTH



Type	Price
	Euro
Aberlink3D software (for Trimos)	3650
PC with Aberlink3D software (for Trimos)	4550
3D CAD module for Aberlink3D 3050 software	
Aberlink 3D 3050 software reverse prototyping module	
Optional offline license	960

PORTABLE STANDARD LIBER (MULTISCHAL)

Characteristics		TPU-5
Measurement range	according to	170-960 HLD
	Lieb according to Vickers	83-976 HV
	according to Rockwell	59-85 HRA 46-102HRB 17.8-68.5 HRC
	according to Brinell	85-655 HB
Load		HL, HV, HB, HRC, HRB, HS
force scales, N Dimensions, mm		0.55-8.06
Price, Euro		150x80x24
		690



- STP MK 09.12.002 MTU
- Budget portable hardness tester
- Multiscale
- Built-in memory
- Multifunction digital display
- Equipped with indenter and calibration measure
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH (Ukraine)



- Affri standard
- Multi-scale high-quality portable hardness tester
- Multiscale
- Optional automatic optical data processing system for PC and software
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Affri (Italy)

PORTABLE STANDARD LIBER (MULTISCHAL)

Scale	METALTEST MK II 2kg MK II 5kg	
parameter	HL, HV, HB, HRC, HRB, HS	
Error, not more than%	1.1	
Discreteness Min	0.1	0.1 0.1
thickness of a detail, mm	0.08	0.06 0.08
Loading effort, N Preload, N	54.9	19.6 54.9
Screen Price of hardness	9.8	9.8 9.8
tester, Euro Price	LCD	external mini PC
of pincer holder, Euro Price	4890	16500 7450
of optical control system, Euro	2800	
	5590	

METALTEST



UNIVERSAL STUFF MEASURES

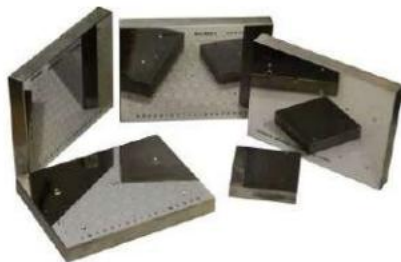
Characteristics of		HBRV-2 HBRV-5
Effort load	Rockwell, N	588.4-1471
	Vickers, N	294.2-980.7 49-980.7
	Brinell, N	306.5-1839 153.2-1839
Measurement range	Rockwell, N	20-95 HRA, 10-100 HRB, 20-70 HRC
	Vickers, N	5-3000 HV
	Brinell, N	5-650 HB
Max. height of the sample, mm		200 210
Depth, mm Load		160 160
		electric
Indication		analog. 8 touch display
Increase Price,		25x, 50x, 100x
Euro		3550 9580



- STP MK 15.10.018 MTU
- Hardness tester for Brinell, Rockwell and Vickers scales
- Electrical load
- Analog or computer display
- Equipped with a microscope. tables and indents
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH (Ukraine)

MEASURES OF HARDNESS

Hardness measures	Type	Price
		Euro
Brinell	MTB (100 units)	95.0
	MTB (200 units)	95.0
	MTB (400 units)	142.0
	MTB set (100, 200 units)	190.0
Rockwell	MTR (1 plate) MTR-1	73.5
	set (5 plates) MTSSR-1 set	245.0
Shore Vickers'	(6 plates) MTSh set 6 plates)	324.0
superquell	Set of MTV-1 (4 plates)	250.0
		376.0



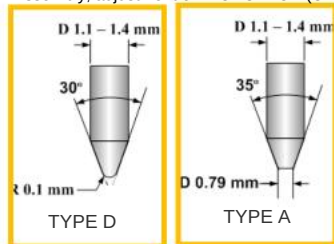
- 100% metrological control
- Calibration ISO 17025: 2017
- Production of MICROTECH (Ukraine)

SHORA STUFF MEASURES

Features		Shore A Shore D					
		TShA-1 TShTs-1 TShK-1 TShD-1 TShDt-1 TShDK-1					
Discreteness		10-90 HA 0-100 HA 0-100 HA 10-90 HD 0-100 HD 0-100 HD					
range, units Load, N		1 HA	0.5 HA	0.1 HA 1 HD	0.5 HD	0.1 HD	
Indenter, mm Data		0.55-8.06 0.55-44					
transfer Memory		R 0.79		R 0.1			
Purpose Dimensions,		-	-	+	-	-	+
mm Weight, kg		-	-	+	-	-	+
Price, Euro Rack		rubber		rubber, plastics, thermoplastics			
price, Euro		115x60x25		115y60y25			
		0.3	0.3	0.4	0.3	0.3	0.4
		150	180	390	190	210	440
		230		340			



- STP MK 09.07.011 MTU
- Shore manual hardness testers (type A, D)
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH (Ukraine)



BRINELL STUFF MEASURES

BRINELL HARD SENSORS MANUAL

Characteristics	HBX
Measuring range, HBS Microscope	100-400
Indenter Weight, kg	20x
Price, Euro	bullet 10mm
	3.3
	660



- STP MK 15.11.023 MTU
- Equipped with a 20x microscope
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH

BRINELL STUFF MEASURES

Characteristics	HBA-1	HBT-3	HBT-5
Measurement range, HB	8-650	5-650	
Discreteness, HB Load			0.1
force, H 1838.8-29421 612.9-29421 Max. sample height, mm Depth,			306.5-29421
mm Load Indication Turret rotation Measurement process	280		
processing system Data transmission, Memory Microscope	165		
Tables	mechanical	electric	
	-	8 touch display	
	manual	automaton	
	-	n / automatic	automaton
	-	-	+
	-	+	+
	20x	20x	CCD 20x, 40x
	prismatic, large and small flat table		
Price , Euro	2990	3990 14900	



- STP MK 15.11.023 MTU
- Brinell hardness tester
- Equipped with microscope, tables and indentors
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH (Ukraine)

BRINELL PRECAUTIONS

Characteristics	HBB-1	HBB-3
Measuring range, HB Load	32-650	5-650
force, N Max. sample height, mm		1838.8-29421
Table, mm Load Indication Data	660	950
transfer, Memory	800x480	1500x1000
Measurement process	electric	
Microscope Max. load,	Computer	
kg Price, Euro	+	+
	n / automatic	automaton
	20x 700	CCD 20x
	41500	3000
		63500



- STP MK 15.11.023 MTU
- Portal Brinell hardness tester
- For extra large details
- Extra large desktop with the ability to move
- 100% metrological control
- Calibration ISO 17025: 2017
- Assembly, adjustment of MICROTECH (Ukraine)

BRINELL STUFF MEASURES

Parameter	LD3000	LD3000A
Brinell measurement range, N Rockwell	98.07-29421	
measurement range, N Vickers measurement	588.4-1471 (for LD3000 option)	
range, N Max. height of the sample, mm	98.07-980.7 (for LD3000 option)	
Depth, mm Load	150 (300)	
	190	
	electric	
Indication	digital	built-in PC
Microscope	external	with camera
Calculation	operator	automatic
Price division scale, HR Tables	0.1	0.1
	flat D 60 mm and D 160 mm, prismatic	
Price, Euro	20900	order



- Affri standard
- High quality Brinell hardness tester
- Multiscale
- Digital display or built-in computer
- Automatic or semi / automatic
- 100% metrological control
- Calibration ISO 17025: 2017
- Production Affri (Italy)

ROCKWELL STUFF MEASURES



Characteristics	HRA-1 HRA-2	HRT-5	HRT-7
Measurement range Load	20-95 HRA 10-100 HRB 20-70 HRC		
force, N Max. sample height,	588.4-1471		
mm Depth, mm Load Indication	170	200 200 130 160	200
Data transfer, Memory	130	motorized 8 'touch	160
Scale division price, HR	mechanical	display	automaton
Tables Price, Euro	analog		
	0.5	0.5	0.1
	prismatic, large and small flat table		
	1390	5700	1790
		4800	

- STP MK 15.10.018 MTU
- Hardness tester for measurements on Rockwell scales HRA, HRB, HRC
- Mechanical or motorized load
- Equipped with tables and indents
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Assembly, adjustment of MICROTECH (Ukraine)

AFFRI



- Affri standard
- Digital or analog display
- Universal Rockwell-Vickers-Brinell hardness testers
- Equipped with tables and indents
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Affri (Italy)

ROCKWELL STUFF MEASURES



Characteristics	206RT	206EX	206EX2
Rockwell, N		588.4-1471	
Super Rockwell, N			147.1-441.3
Vickers, N		98.07-980.7	
Brinell, N	2942-1839 (optional)	2942-1839	
Rockwell Super	HRA, HRB, HRC, HRD, HRE, HRF, HRK		
Rockwell Vickers		HRN, HRT, HRS	
Brinell Max.		HV10-HV60-HV100	
sample height,		HBTW, HBW	
mm Depth, mm Load Indication		215	
Price (base), Euro Price (+)		190	
Brinell), Euro		mechanical	
	analog.	digital	
	4650	6950	
	5116	8655	10270

SUPER MEASURES OF SUPERROQUELL



Features	HRSA-2	HRSD-3
Measuring range Load	70-91HR15N, 42-80HR30N, 20-77HR45N	73-93HR15T, 43-82HR30T, 12-72HR45T
force, N Max. sample height,	147.1, 294.2, 441.3	
mm Depth, mm Load	150 200	
Indication Data	120 160	
transfer, Memory		Electric
Scale division	analog	8 'touch display
price, HR Tables	-	+
	0.5 0.1	
	prismatic, large and small flat table	
Price, Euro	2370	6350

- STP MK 15.10.018 MTU
- Hardness tester for measurements on Superroquell scales
- Mechanical or motorized load
- Equipped with tables and indents
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Assembly, adjustment of MICROTECH (Ukraine)

SUPER MEASURES OF SUPERROQUELL



Characteristics	206RTS	206EXS
Super Rockwell, N		147.1-441.3
Vickers, N		98.07-980.7
Brinell, N Super		2942-1839 (optional)
Rockwell Vickers		HRT, HRS, HRN
Brinell Max.		HV3-HV15-HV30
sample height,		HBTW, HBW
mm Depth, mm Load Indication		215
Price (base), Euro Price (+)		190
Brinell), Euro		mechanical
	analog.	digital
	4650	6950
	5116	8655

- Affri standard
- Universal hardness testers for measurement on SuperRockwell Vickers-Brinell scales
- Digital or analog display
- Equipped with tables and indents
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Affri (Italy)

AFFRI



VICKERS 'STUFF MEASURES



HVD

HVT

Features	Micro HVD-1	Vickers hardness tester HVD-5	Vickers hardness tester HVD-10	Vickers hardness tester HVD-50	Micro HVT-1	Vickers hardness tester HVT-5	Vickers hardness tester HVT-10	Vickers hardness tester HVT-50
Measurement range, HV		5-2900				5-3000		
Discretion, HV Load force,					0.1			
N Scale conversion Max. sample	0.098-9.8	2.942-49.0	2.942-98.0	1.96-49.0	2.942-98.0	2.942-98.0	2.942-98.0	2.942-98.0
height, mm Depth, mm		HRA, HRB, HRC, HRD, HRE, HRF, HV, HB, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T						
Microscope magnification,	120	200	200 200 130 130 200x	400x 0.02920		200	200	200
times Microscope	110	130	130	110		130	130	130
resolution, ym Turret load Indication		100x; 400x		100x; 200x				100x; 200x
Memory, Data transfer Hardness		0.025		0.1				0.1
tester price, Euro			mechanical			electric		
			manual digital			automatic		
			memory manager			computerized 8 "display		
		200 values, USB port	5550	5550		memory manager 2000 values, USB port		
			5550			7200	8550	8550

OPTIONS



LCD monitor for fingerprint and measurement display
Price: 1990 Euro



Full automation (PC, software: CCD camera, automated table)
Price: 28600 Euro

VICKERS 'STUFF MEASURES



Parameter	100JS	200JS	100JS3	200JS3
Load force, N Error		0.098-98		0.98-294.2
		> 0.1%		
Discreteness		0.1HV		
Max. sample height, mm Max.		300		
depth of the sample, mm Stroke		135		
of the table, mm		250x300		
Table	100x100 manual	200x100 automaton	100x100 manual	200x100 automaton
Focus	manual	automaton	manual	automaton
Supply and load Turrkt		automatically		
Lenses		automatic (6 positions)		
		2.5x, 5x, 10x, 20x, 40x, 50x, 100x		
Price, Euro	43500	order	43500	order

- Affri standard
- High quality Brinell hardness tester
- Multiscale (optional Knupp, Rockwell, Vickers indents)
- Built-in computer with Affri OMAG software
- Automatic or semi / automatic
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Affri (Italy)

AFFRI



VICKERS MICRO-SOLID MEASURES



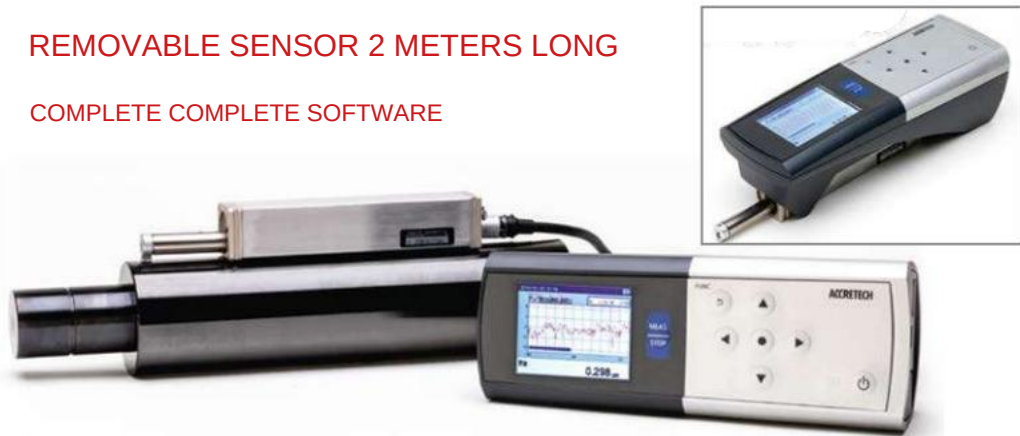
Parameter	DM2	DM8 A	DM8 B
Load force, N Error Discreteness	0.098-9.8	0.049-9.8	0.0098-19.6
Max. sample height,		> 1%	
mm Depth, mm Supply		0.1HV	
and load Measurement Camera	110		120
Tables Weight, kg	70		160
manual focusing, manual		automatically	
reading automatic		in semi-automatic and automatic hardness reading with camera and software	
focusing automatic		camera 10-40x	
reading	100x100mm (200x100mm for full automatic)		
	50	50	50
Price,	16700	25500	26900
Euro	37900	48500	50600

- Affri standard
- High quality Brinell hardness tester
- Multiscale
- Digital display or built-in computer
- Automatic or semi / automatic
- 100% metrological control
- **Calibration ISO 17025: 2017**
- Production Affri (Italy)

PROFILOMETER-PROFILOGRAPHER HANDYSURF

REMOVABLE SENSOR 2 METERS LONG

COMPLETE COMPLETE SOFTWARE



- ACCRETECH standard
- Portable profilograph-profilometer with a removable probe 2 meters long
- Color high-quality display for working with profiles
- Complete with calibration plate, measuring base, SupportWave PC software, • 100% metrological control

- Calibration ISO 17025: 2017
- Production ACCRETECH (Japan)

HANDSURF					
Features	35-2	35-5	40-2	40-5	45
Measurement range	along the Z				
	axis, μm				
	from -210 to +160				
Drive drive	along the X				
	axis, mm				
	standard				
Analysis	along the Y axis, mm				
	0.2-16				
	Type Estimation				
Needle	0.5, 0.6, 0.75, 1.0 0.0007				
	length, mm Speed mm / s				
	Discreteness, μm				
Analysis	2				
	Radius, μm Force,				
	0.75 Cone 60				
Analysis	mN Angle, deg				
	0.75 Cone 60				
	Material Profile				
Analysis	diamond				
	diamond				
	diamond				
Analysis	diamond				
	diamond				
	diamond				
Analysis	curve				
	Pt, Rmax, Rz, Rk, Rpk, Rvk, Mr1, Mr2, Vo, K, tp				
	Roughness curve				
Analysis	Ra, Rq, Rz, Rv, Rc, Rt, RSm, Ryq, Rsk, Rku, Rmr (c), Rmr, Ryc, Rz94, R3z, Rya, Ry, Sm, S, tp, PC, RPe JIS, RPe ISO, RPe EN, Pc, PPI, Rp, Rmax, Mr1, Mr2, Rpk, Rvk, Rk, Vo, K, A1, A2, Rpm, ya, yq, Htp				
	Evaluation				
	Profile curve, roughness curve, special profile curve ISO13565, roughness motif curve, wavy curve motif, upper envelope wavy curve				
Analysis	curve Chart of				
	Support curve, amplitude distribution curve				
	characteristics Display Data				
Analysis	2.4 inch color liquid crystal display				
	export Software Printer Battery				
	USB connector for exporting data to PC, flash memory, printer				
Analysis	Price, Euro				
	comes with ACCRETECH SupportWave II software				
	option				
Analysis	Built-in rechargeable battery (up to 1000 measurements)				
	2390				
	2390 3290 3290				
Analysis	6330				

2D PROFILOMETERS-PROFILOGRAPHERS



Features	DHM S1 DHM S2 digital	CCM P1	DIA P1
Specifics	holographic microscopy	chromatic confocal microscopy	probe
	smooth surfaces	rough	contact measurements
	Problems	8-22>	10
Discreteness, nm Measuring range	1	1	200
	0.4	1.6	130-400
	0.4	1.6	350
Ra, μm Application range Z, μm	0.4	1.6	130-400
	0.4	1.6	350
	0.4	1.6	350
Ra% error	3.1	7.1	1-5
	3.1	7.1	1-5
	3.1	7.1	1-5



- Nano profilometer profilographs
- Non-contact measurement methods
- Discreteness of 1 nanometer
- Interchangeable optical heads for different tasks
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TRIMOS (Switzerland)

ROUGH SAMPLES



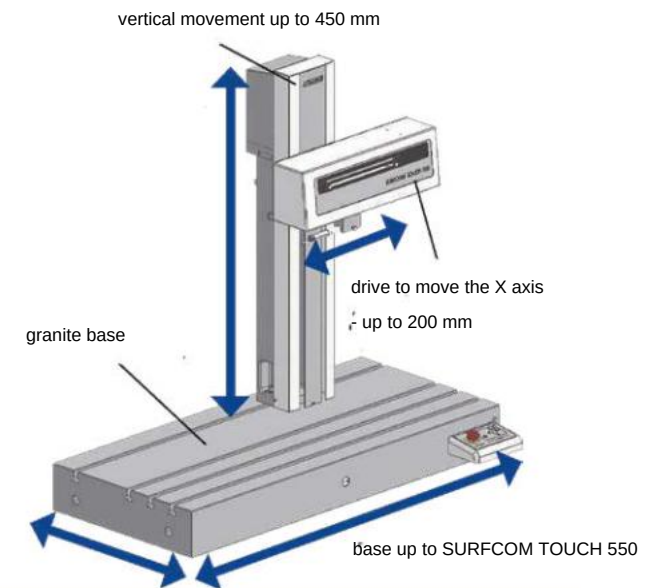
- Includes 30 or 27 samples
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured under the control of MICROTECH

Type	Error Qty	Kit milling	Size plates	Price
		end cylinder end cylinder grinding turning planing polishing.		
		% pcs Ra, μm Ra, μm Ra, μm Ra, μm Ra, μm Ra, μm Ra, μm Ra, μm mm Euro		
OSH-30	± 50 0.4-12.5	0.05-0.4-22.5x10 330	0.4-12.5	0.1-0.8 0.1-0.8
OSHU-27	from -17 to +12	27	0.8-6.3 0.8-6.3 0.8-6.3 0.8-6.3 0.1-0.8 0.025-0.1 22.5x20	450

LABORATORY PROFILOMETER-PROFILOGRAPHER SURFCOM



COMPLETE COMPLETE SOFTWARE



- ACCRETECH standard
- Stationary professional profilograph profilometer with removable probe • Color high-quality 7-inch display for working with profilograms
- Modification 550 with motorized grant stand
- Complete with calibration plate, measuring base, SupportWave PC software, • 100% metrological control

- Calibration ISO 17025: 2017
- Production ACCRETECH (Japan)

SURFCOM TOUCH					
Features	35B-2	35B-5 40A-2 40A-5	45A	50A	SURFCOM TOUCH with electric column 550-11 550-12 550-14 550-24
Measurement range	along the Z				
	axis, μm				
	from -210 to +160 16				
Drive drive	along the X				
	axis, μm				
	standard 0.2-16				
Electric column	mm along the Y axis,				
	0.5, 0.6,				
	0.2-4.0 0.6				
Analysis	mm Type Estimation				
	0.75, 1.0				
	length, mm				
Analysis	Speed mm / s				
	Manual				
	Stroke Speed,				
Analysis	mm / s Base size				
	Granite				
Analysis	Base material Maximum				
	48				
	42				
Analysis	48				
	43				
Analysis	load, kg Discreteness, μm Radius,				
	0.0007				
	0.0001				
Analysis	μm Effort, mN				
	2 0.75				
	2 0.75				
Analysis	Angle, deg Material				
	2 0.75				
	5 4				
Analysis	Cone 60 Cone 90 Cone 60 Cone 90				
	5 4 Cone 90				
	0.75 Cone 60				
Analysis	0.75 Cone 60				
	0.75 Cone 60				
	0.75 Cone 60				
Analysis	diamond				
	diamond				
	diamond				
Analysis	Profile curve				
	Pa, Pq, Pp, Pv, Pc, PSm, Pyq, PPC, Psk, Pku, Pt, Pmr (c), Pmr, Pyc, Rz82, TILTA, AVH, Hmax, Hmin, AREA, Rmax, Rz, Sm, ya, yq, a, q, Lr, Rsk, Rku, Rk, Rpk, Rvk, Mr1, Mr2, Vo, K, tp, tp2, Hp				
	Roughness curve				
Analysis	Ra, Rq, Rz, Rv, Rc, Rt, RSm, Ryq, Rsk, Rku, Rmr (c), Rmr, Ryc, Rz94, R3z, Rya, R a, R q, Ry, Lr, Sm, S, tp, tp2, PC, RPe JIS, RPe ISO, RPe EN, Pc, PPI, Rp, Rmax, Rz1, RS, Rm12, Mr1, Mr2, Rpk, Rvk, Rk, Vo, K, A1, A2, Rpm, ya, yq, Htp				
	Evaluation curve				
	Profile curve, roughness curve, special profile curve ISO13565, roughness motif curve, wavy curve motif, upper envelope wavy curve, envelope wavy curve				
Analysis	Chart of characteristics				
	Support surface curve, amplitude distribution curve, effort graph				
	Display Data export Software				
Analysis	7-inch color LCD display with touch control				
	Printer Battery Price, Euro				
	USB connector for exporting data to PC, flash memory, printer				
Analysis	comes with ACCRETECH SupportWave II software				
	Built-in thermal printer				
	Built-in rechargeable battery (up to 600 measurements)				
Analysis	4950 5890 6390 6390				
	8620 9200 23200 24900				
	28500 37900				

TORQUE DYNAMOMETRIC WRENCHES



Code / Type	Range H *	Discrete y *	Head	Error%	Length	Mass	Price
	m	y	inch 1/4		mm	kg	Euro
TRQ21101	1.1-16.9	0.11	3/8	± 4	223	0.4	150
TRQ24320	2.2-22.6	0.2	3/8 1/2	± 4	340	0.8	135
TRQ24330	13.6-108.5	0.3	1/2 3/4	± 4	370	0.9	150
TRQ24335	13.6-203.5	0.75		± 4	520	1.8	160
TRQ24340	33.9-339	1.0		± 4	600	3.2	250
TRQ24350	67.8-406.7	1.0		± 4	600	3.5	300



- TEKTON standard
- Improved performance
- 100% metrological control
- Calibration ISO 17025: 2017
- Production TEKTON (USA)

TORQUE DYNAMOMETRIC INDICATOR KEYS



Code	Type	Discrete range	Head Error	Length	Weight	Price
	N *	H * m	inch	%	mm	kg Euro
m 227020001	KMDI-1,8	0-1,8	227020003	0.05	1/4	± 295 0.5 210
KMDI-3,5	0-3,5	227020009	KMDI-9	0-9	0.1	1/4 5 ± 5 295 0.5 210
227020018	KMDI-18	0-18	227020035	0.2	1/4	± 5 295 0.5 210
KMDI-35	0-35	227020070	KMDI-70	0-70	0.5	3/8 ± 5 295 0.5 210
227020140	KMDI-140	0-140	227020240	1.0	3/8	± 5 295 0.5 210
KMDI-240	0-240	227020350	KMDI-350	2.0	3/8	± 5 385 0.8 245
0-350	227020480	KMDI-480	0-480	2.5	1/2	± 5 560 1.7 295
227020800	KMDI-800	0-800	227021400	5.0	1/2	± 5 560 1.7 295
KMDI-1400	0-1400	227022800	0 KMDI	10	1/2	± 5 560 1.7 295
-2800				10	3/4	± 5 711 2.6 597
				20	3/4 1	± 5 1200 4.8 850
				25	1	± 5 1880 13.5 1170
				50		± 5 3100 28 1590



- STP MK 15.10.016 MTU
- Arrow indication
- Improved performance
- Reinforced construction
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured under the control of MICROTECH

TORQUE DYNAMOMETRIC INDICATOR KEYS



Code	Type	Discrete range	Head Error	Length	Weight	Price
	ÿ * ÿ	N * m	inch	%	mm	kg Euro
1.81NLDNSS	ÿÿÿÿ-1,8	0-1,8	301LDIN	0.05 ± 4	295 0.5	210
ÿÿÿÿ-3,5	0-3,5	751LDIN	ÿÿÿÿ-9	0-9	0.1 1/4 295 0.5	210 ± 4
1502LDIN	ÿÿÿÿ-18	0-18	3002LDIN	0.2 1/4 295 0.5	210	± 4
ÿÿÿÿ-35	0-35	6002LDIN	ÿÿÿÿ-70	0-70	0.5 295 0.5	210 3/8 ± 4
1003LDFN	KMDI-140	0-140	1753LDFN	1.0 3/8 295 0.5	210	± 4
KMDI-240	0-240	2503LDFN	KMDI-350	2.0 3/8 385 0.8	245	± 4
3504LDFN	KMDI-480	0-480	6004LDFN	2.5 560 1.7	295 1/2	± 4
KMDI-800	0-800	10005LDFN	KMDI -	5.0 1.7 10 1/2 1.1	2/4 10 2.6 3/4 418	850 560 295
1400	0-1400	20005LD				± 4 560 295
						± 4 711 597
				20	± 4	1200
				25	1 13.5	1170 ± 4 1880
				50	1 28	1590 ± 4 3100



- CDI standard
- Arrow indication
- Improved performance
- Reinforced construction
- 100% metrological control
- Calibration ISO 17025: 2017
- CDI production (USA)

KEY DYNAMOMETRIC PROFESSIONAL DIGITAL



Code / Type	Range H *	Discrete H *	The head	Error	Length	Mass	Price
	m 0.3-6	m 0.001	inch	%	mm	kg	Euro
DTL-50i	0.6-12	0.01 0.01	1/4	±	200	0.4	695
DTL-100i	3-30	0.1 0.1	1/4	2	200	0.4	695
DTW-265i	13-135	0.1 0.1	1/4	± 2 ±	390	1.3	490
DTW-1200i	20-203		3/8	2.5 ±	445	1.4	490
BLD0212	34-340		1/2	2.5 ±	200	0.4	250
DTW-250f	85-850		1/2	3.5 ±	650	1.4	495
DTW-625f			3/4	2.5 ± 2.5	1200	3.8	1440



- Check-line standard
- Digital display
- Improved performance
- 100% metrological control
- Calibration ISO 17025: 2015
- Production Check-line (USA)

DYNAMOMETERS ANALOGUE

Code	Type	Disc range. Error Scales Functions Price H% Euro
H 225100010	DA-10	1-10 225100050 DA-50
5-50 225100100	DA-100	10-100 225100500
DA-500	50-500	225101000 DA-1000 100-1000
225105000	DA-5000	500-5000



- STP MK 15.10.016 MTU
- Peak value saving function
- Equipped with a set of tips
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured under the control of MICROTECH

DIGITAL DYNAMOMETERS

Code	Type	Range	Disc.	Function	Scale	Error	Euro
%							price
225200010	DC-10		H	H		± 0.5	210
225200050	DC-50		1-10	5-50	0.05	± 0.5	210
225200100	DC-100	10-100	225200500		0.2	± 0.5	210
DC-500	50-500				0.5	2.5 ± 0.5	210



- STP MK 15.10.016 MTU
- Equipped with a set of tips
- Digital display
- 100% metrological control
- Calibration ISO 17025: 2017
- Manufactured under the control of MICROTECH

COMPUTER DYNAMOMETERS

Code	Type Range Disc. Error Indication H H% 1-10 0.01 ± 0.3	Communication	Euro
			price
225700010	DK-10	50m	360
225700050	DK-50	50m	360
225700100	DK-100	50m	360
DK-500	50-500	50m	360

DIGITAL DYNAMOMETERS MONOBLOCK

Code	Type	Range H 10	Diskr. H	Error%	Functions	Euro
		25 50	0.01	0.5%		price
M2-2	DC-10	M2-5	100	0.02		650
DC-25	M2-10	DC-50	250	0.05	0.5%	650
DC-100	M2-50	DC-250	500	0.1 0.2	0.5%	650
DC-500	M2-250	DC-1000	1000	0.5 1 2	0.5%	650
M2-500	DC-2500	DC-5000	2500		0.5%	650
Diskr. Error H	0.0001			0.5%		650
0.0002 0.0005 0.001				0.5%		900
0.002 0.01 0.02 0.05 0.1				0.5%		950
0.2 0.5 2 5 5	Type					
	N	%				price
M5-012	DC-0.5	0.5 M5-025	DC-1	0.1%		1990
1 M5-05	DC-2.5	0.5 M5-025	DC-10	0.1%		1990
M5-10	DC-50	50 M5-20	DC-100	0.1%	- multiscale -peak	1990
100 M5-50	DC-500	500 M5-100	DC-1000	0.1%	value	1750
DC-1000	1000 M5-500	DC-2500		0.1%	-Analog scale	1750
DC-5000	5000 M5-1500	DC-7500		0.1%	-PR / NO	1750
7500 M5-2000	DC-10000	10000		0.1%	-memory of 1000 values	1750
				0.1%	- statistical functions. max /	1750
				0.1%	min average	1750
				0.1%	- password	1990
				0.1%		1990
				0.1%		2390
				0.1%		2390
				0, 1%		2390



DIGITAL DYNAMOMETERS WITH EXTERNAL SENSOR

S-shaped sensor

Type	Diap. Price H
Euro	
MR01-50	250 950
MR01-100	500 950
MR01-200	1000 950
MR01-500	2500 950
MR01-1000	5000 950
MR01-1500	7500 950
MR01-2000	10000 950
MR01-5000	25000 1350
MR01-10000	50000 1350

cylindrical sensor

Type	Diap. Price H
Euro	
MR04-025	1 1590
MR04-05	2.5 1590
MR04-2	10 1590
MR04-5	25 1590
MR04-10	50 1590
MR04-20	100 1590
MR04-50	250 1590
MR04-100	500 1590

Type	Diap. Price H
Euro	
MR02-100	500 1190
MR02-200	1000 1190
MR02-500	2500 1190
MR02-1000	5000 1190
MR02-2000	10000 1190
MR02-5000	25000 1350
MR02-10000	50000 1350

external module



Parameter	M3i M5i
Error	± 0.2% ± sensor ± 0.1% ± sensor
	USB / USB, RS-232
	- 1000
	- +
	- +
Communication Memory Password Functions Basic price, Euro	850 1450



MANIFOLD EFFORT CONTROL STANDS

Type	Type	Navant. Effort Stroke Length Price			
		mm	mm		Euro
ES05	vertical. vertical lever.	H	-	203	770
ES10	vertical lever. vertical	150	26	229	790
ES20	vertical wheel. lever	500	2.1	229	950
ES30	lever horizontal.	500	1.3	356	1430
TSA750	vertical. vertical lever.	1000	76.2	267	1592
TSA750H	horizontal wheel. vertical wheel	3750	76.2	368	1592
TSB100	horizontal wheel. wheel	3750	76.2	533	1270
TSC1000		500	2.5	254	2200
TSC1000H		5000	2.5	330	2200
TSF		5000	0.34	356	3360
TSFH		5000 5000	0.34	419	3360



- MARK-10 standard
- Universal hand awnings
- Equipped with dynamometer, external force or torque sensor and displacement indicator

- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)



- MARK-10 standard
- Universal motorized effort control stands with digital or computer display system

- Large list of options •
- Modular design with capability further retrofitting
- Horizontal or vertical orientation
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)

EFFORT CONTROL STANDS MOTORIZED



Type	ESM 303H	ESM303	ESM750	ESM1500	F105	MOTOR	VERTICAL	1500	F305	F505	F505H	MOTORIZED	F755	F1505
	3400	813	457	digital										
Orientation	horizontal.						vertical	vertical						
Maximum force, N Maximum	1500					6700	500		horizontal.	1300	2200	2200	3400	6700
stroke, mm Indication Movement	457					813	457		457	457	457	IntelliMesur PC	813	813
speed standard mm /												software		
min Movement speed optional mm / min Maximum stroke	13-330	10-600	0.5-1100	0.02-1525					0.5-100			0.02-1525		0.02-1800
error, mm Discretion of stroke measurement, Frequency	0.02-2300													
of measurement, Hz Error of force sensor,% Basic	0.05mm / 250mm					0.05mm / 457mm			0.05mm / 813mm					
set of adapters and holders Price Price of	0.02	50							0.01					
industrial tablet, Euro Price of digital									1000					
dynamometer MARK-10 M5, Euro Price of sensor						0.1%			0.15%					
MARK-10, Euro Price of tracking option, Euro Price														
of measurement option, Euro Price option	4680	4630	9250	10900	9900	11700	13300	13900	2500	2500	2500	15700	17500	
Computer control, Euro Price option setting limit	-	-	-	-	-	-	-	-	2500	2500	2500	-	-	-
limits, Euro Price protection option overload, Euro Price auto-	1990	1990	2390	2390	-	-	-	-	-	-	-	-	-	-
return option, Euro Price option cyclic	-	-	-	-	1350	1650	1650	1650	990	990	990	-	-	-
measurement, Euro Price option increase speed	350	350	650	650	+	+	+	+	+	+	+	+	+	+
range, Euro Price option Pre-force, Euro Price extended	1350	1350	2250	2250	+	+	+	+	+	+	+	+	+	+
by 600mm column, Euro Price base plate, Euro Price	1380	1380	1380	1380	+	+	+	+	+	+	+	+	+	+
option emergency stop button, Euro	350	350	1100	1100	+	+	+	+	+	+	+	+	+	+
	350	350	950	950	+	+	+	+	+	+	+	+	+	+
	290	290	680	680	+	+	+	+	+	+	+	+	+	+
	350	350	950	950	+	+	+	+	+	+	+	+	+	+
	970	970	1880	1880	+	+	+	+	+	+	+	+	+	+
	350	350	780	780	+	+	+	+	+	+	+	+	+	+
	990	990	-	-	990	990	990	990	-	-	-	-	-	-
	-	-	250	250	+	+	+	+	+	+	+	+	+	+
	-	-	350	350	+	+	+	+	+	+	+	+	+	+

OPTIONAL HOLDERS



- More than 100 types of optional clamps for stands and dynamometers
- To control the tension of the film, springs, paper, rubber, etc.
- 3-year warranty
- Production MARK-10 (USA)

DYNAMOMETRIC KEY CONTROL STANDS



Type	Disc range, Nm Nm 2 0.002	Error Scales Price		
	5.7 0.005 45 0.050110	%		Euro
MTP55-20	550 0.5	0.6%		2950
MTP55-50		0.6%	lbF,	2950
MTP55-400		0.6%	kgF,	2950
MTP55-1000		0.6%	N	2950
MTP55-5000		0.6%		2950

WT3 WIRE TIGHTENING CONTROL STANDS



Type	Type	Diap. Diskr. Error	Max D failure.	Price
		Nm Nm %	mm	Euro
WT3-201	manual WT-201M	1000 1.1	0.3%	3480
motorcycle.		1000	0.3%	6330

STANDS OF CONTROL OF TW01 TUBE TURNING



Type	Range	Diskr.	Error	Price
	Nm	Nm	%	Euro
MTT01-12	1.35	0.001	0.3%	2230
MTT01-25	2.9	0.002	0.3%	2230
MTT01-50	5.7	0.005	0.3%	2230
MTT01-100	11.6	0.01	0.3%	2230

STANDS OF CONTROL OF DYNAMOMETRIC SCREWDRIVERS TT02



Type	Range Nm	Diskr.	Error	Price
	1.35 2.9	Nm	%	Euro
MTT02-12	5.7 11.6	0.001	0.3%	2070
MTT02-25		0.002	0.3%	2070
MTT02-50		0.005	0.3%	2070
MTT02-100		0.01	0.3%	2070

UNIVERSAL CURRENT CONTROL STANDS TT05



Type	Range Nm	Diskr.	Error%	Price
	1.35 2.9	Nm	0.3%	Euro
MTT05-12	5.7 11.6	0.001	0.3%	1910
MTT05-25		0.002	0.3%	1910
MTT05-50		0.005	0.3%	1910
MTT05-100		0.01		1910

STANDS OF CONTROL OF THE TORQUE OF ROTATION TT03



Type	Range Hcm	Diskr.	Error%	Price
	7 14 35	Hcm	0.5%	Euro
MTT02-12	135	0.005	0.5%	2120
MTT02-25	570	0.01	0.5%	2120
MTT02-50	1150	0.05	0.5%	2120
MTT02-50		0.1	0.5%	1970
MTT02-50		0.5 01	0.5%	1970
MTT02-100				1970

SPRING CALIBRATION STANDS



Code	Type	Discrete range Error		Course	Diameter springs	Price	
		N	N	%	mm	Euro	
277100010 IZP-10	277100050	0-1.8	0.001	± 1	65	30	3750
IZP-50	277100100 IZP-100	0-3.5	0.01	± 1	95	49	3750
IZP-500	277101000 IZP-1000	0-9	0.02	± 1	95	49	3750
277102000 IZP-2000		0-18	0.1	± 1	95	49	3750
277105000 IZP-5000		0-35	0.2	± 1	150	108	4300
		0-70	0.5	± 1	150	108	4500
		0-140	1.0	± 1	150	108	4680



- MARK-10 standard
- Digital display
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)



- MARK-10 standard
- Manual or motorized
- 100% metrological control
- Calibration ISO 17025: 2017
- Production MARK-10 (USA)



- MARK-10 standard
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)



- MARK-10 standard
- 100% metrological control
- Calibration ISO 17025: 2017
- Production MARK-10 (USA)



- MARK-10 standard
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)



- MARK-10 standard
- 100% metrological control
- Calibration ISO 17025: 2017
- 3-year warranty
- Production MARK-10 (USA)



- MICROTECH standard
- Measurement of spring tension
- 100% metrological control
- Calibration ISO 17025: 2017
- Development and production of MICROTECH

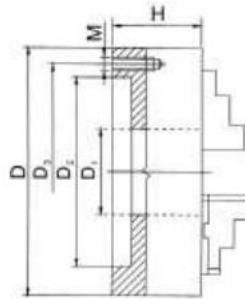
TURNING CARTRIDGES on the faceplate



Type	Dimensions					zd	Mass	Price
	D	D2	D3	D1	H1			
	mm	mm	mm	mm	mm		kg	Euro
7100-0001y	80	55H7	66	16	50	3-M6	1.9	108
7100-0002y	100	72H7	86	22	55	3-M8	3.2	150
7100-0003y	125	95H7	108	30	58	3-M8	5.0	170
7100-0005y	160	130H7	142	45	65	3-M8	8.8	190
7100-0007y	200	165H7	180	65	75	3-M10	15.5	245
7100-0009P	250	210H7 320	226	80	80	3-M16	27.5	395
7100-0011P	270H7		290	100	90	3-M16	47	730
7100-0015y	400	340y7	368	130	100	3-M16	73	922
7100-0018y	500	440y7	465	210	115	6-M16	121	1880
7100-0020y	630	560y7	595	252	129	6-M16	200	6000
7100-0022y	800	450y7	383	320	159	6-M20	325	30000



- High quality lathe chucks
- Mounting on the faceplate
- Standard and "Polish" cartridge type
- Precision accuracy class
- 100% control of the turning cartridge
- Manufactured under the control of MICROTECH



TURNING CARTRIDGES on the faceplate steel type 3504 DIN 6350



Type	Dimensions					zd	Mass	Price
	D	D2	D3	D1	H1			
	mm	mm	mm	mm	mm		kg	Euro
0642532045405 160		125H7	140	42	68	6-M10	8.8	700
0642532045507 200		160y7	176	55	78	6-M10	15.5	730
0642532045609 250		200H7	224	76	89	6-M12	27.5	840
0642532045700 315		260H7	286	103	96.2	6-M16	47	1330
0642532045802 400		330y7	362	136	108	6-M16	73	1650
0642532045900 500		420H7	458	190	119	6-M16	121	6750



- High quality lathe chucks
- Cone mounting
- Standard and "Polish" cartridge type
- Precision accuracy class
- 100% control of the turning cartridge
- Manufactured under the control of MICROTECH

TURNING CARTRIDGES cone

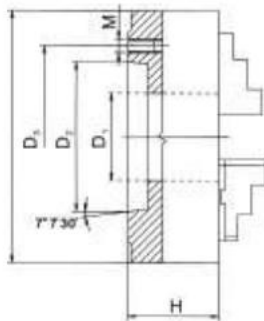


Type	Cone	Dimensions					zd	Mass	Price						
		D	D2	D3	D1	H1									
		mm		mm			mm	mm	kg	Euro					
7100-0033y	6	200	106,375	133,4	250	106,375	50	84	4-M12	20 330					
7100-0035y	6	133,4	95	4-M12	315	139,719	171,4	100	106	4-M16	400	33	390		
7100-0041y	8	139,719	171,4	136	118	4-M16	400	196,869	235	136	118	6-	65	820	
7100-0043y	8	M20	11	500	196,869	15	630	285,775	330,	2	260	165	6-M24	108	1220
7100-0045y	11													108	1220
7100-0049y						235		197	135	6-M20				192	1910
7100-0053y														290	5600

TURNING CARTRIDGES on a cone steel type 3534 DIN 55027



Code	Cone	Dimensions					Bolts	Price	
type3534		D	D2	D3	D1	H1			
		mm	mm	mm	mm	mm	od. 85	Euro	
0642532342405	4	160	Ø160 H9 - max tolerance			42	68	3	670
0642532342904	5	200	Ø200 H9 - max tolerance	104.8	55		78	4	820
0642532343009	6	200	190.719 H9 - max tolerance	133.4	55		78	4	820
0642532343304	6	250	190.719 H9 - max tolerance	133.4	76		89	4	930
0642532343701	8	315	139,719	171.4	103		98	4	1440
064253234400	8	400	139,719	171.4	136	109	235	4	2070
064253234305	11	500	196,869	190	119			6	4359
064253234600	11	630	190.850 H9 - max tolerance	235	190	129		6	11813



Custom options
cams and other spare parts
on MICROTECH turning cartridges



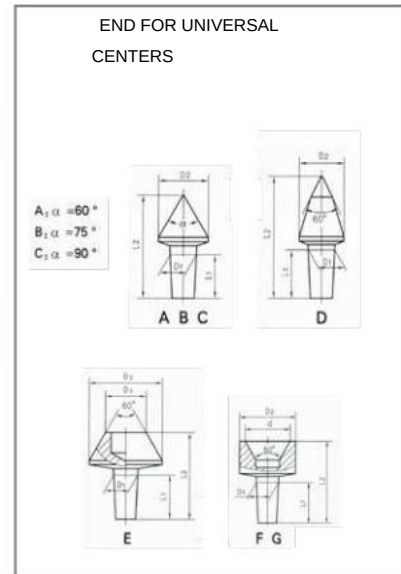
CENTER MACHINE ROTARY



Code	KM	Precision	Max.	Max.	Price
			radial load.	fast turn.	
		mm	N	rpm	Euro
STRENGTHENED					
507110000	KM1	0.02	900 0.02 1500	4000	30
507120000	KM2	0.02	0.02 0.05 0.05	3000	33
507130000	KM3		2000	3000	39
507140000	KM4		3200	2500	46
507150000	KM5		6300	1000	70
507160000	KM6		10000	800	200
PRECISION					
507210000	KM1	0.01	100	4000	33
507220000	KM2	0.01	200	4000	39
507230000	KM3	0.01	500	3000	45
507240000	KM4	0.01	800	2500	58
507250000	KM5	0.01	1500	2000	77
507260000	KM6	0.02	1800	1650	225
UNIVERSAL (7 terminals)					
507320000	KM2	0.02	1500	3000	130
507330000	KM3	0.02	2000	3000	135
507340000	KM4	0.02	3200	2500	150
507350000	KM5	0.05	6300	1000	180
507360000	KM6	0.05	10000	800	270



- Three modifications: reinforced, precision and universal
- The universal rotating center is completed with 7 extremities
- Manufactured under the control of MICROTECH



SWIVEL TABLES



Code	Type	Dmolu KM		Mass Price	
		mm		kg	Euro
505115000	SPGV-150	150	KM2	12	395
505120000	SPGV-200	200	KM3	30	444
505125000	SPGV-250	250	KM3	45	515
505132000	SPGV-320	320	KM4	83	990
505135000	SPGV-350	350	KM4	95	1240
505140000	SPGV-400	406	KM4	135	1690



- Precision rotary tables
- Flatness 0.015 mm / m
- Parallel to the base 0.02 mm / m
- Accuracy of movement 0.015 mm / m
- Maximum error 45 '
- Manufactured under the control of MICROTECH

UNIVERSAL DIVISIBLE HEADS



Code	Type	Height		Spin del	Cartridge Mass Tina		
		interchangeable gears	centers from the base		mm	kg	Euro
		pcs	mm				
504016000 UDG-160		-	100	KM3	100	21	880
504020000 UDG-200		-	128	KM4	125	30	1050
504020100 UDG-200S		12	133	KM4	125	73	1490



- Precision dividing heads
- Modification with replaceable gears
- Optional can be equipped with a lathe chuck
- Manufactured under the control of MICROTECH

CARTRIDGE CARTRIDGES WITH COLLGE KIT



Code	Type	Carving	Collars		Mass Price	
			mm	kg	Euro	
503211230	7: 24y30	M12x1.75		4.43	330	
503211240	7: 24-40	M16x2.0		4.43	360	
503211250	7: 24y50	M24x3.0		4.43	380	
503221220	KM2	M10x1.5		3.12	330	
503221230	KM3	M12x1.75		3.12	337	
503221240	KM4	M16x2.0		3.12	390	
503221250	KM5	M20x2.5		3.12	418	



- Collet chucks with collet set and key
- Precision accuracy class
- Manufactured under the control of MICROTECH

THOUSAND LOCAL

Code	Type	Sponge		Course	Mass Price
		Width	Height		
		mm	mm	mm	kg Euro
501040050	TL-50	50	25	65	3 90
501040063	TL-63	63	32	85	4 119
501040080	TL-80	80	40	100	7 145
501040100	TL-100	100	45	125	12 240
501040125	TL-125	125	50	160	19 333
501040150	TL-150	150	50	175	24 450



- For precise precision work
- Roughness of working surfaces Ra <0,8
- Manual finishing and control of work surfaces
- Parallel 0.005mm / 100mm
- Hardness of working surfaces HRC59-63
- Developed by MICROTECH

THOUSAND LOCAL SINUS

Code	Axle Type	Width	Height	Sponge	Course	Tilt angle		Mass Price
						city	mm Euro	
501041050	yyy-50 1	501041063	50	25	60 0-45 4	185		
yyy-63 1	501041080	yyy-80 1	63	32	85 0-45 6	244		
501041100	yyy-100 1	501041125	80	40	95 0-45 11	333		
yyy-125 1	501041150	yyy-150 1	100	45	125 0-45 16	422		
501041975	yyy-2 2	501041975	125	50	160 0-45 24	550		
yyy-3 3			150	50	190 0-45 30	910		
			75	30	80 0-45 / 0-90 18	395		
			73	30	80 0-45 / 0-360 18			



- For precise precision work
- Roughness of working surfaces Ra <0,8
- Manual finishing and control of work surfaces
- Hardness of working surfaces HRC59-63
- Ability to set angles
- Developed by MICROTECH

THOUSAND LOCAL MODULAR EXTENDED

Code	Type	Sponge		Course	Effort The fastening	The price of Euro
		Width	Height			
		mm	mm	mm	kg	
501042100	TLM-100 100	501042120	30	100	3000	440
TLM-125 125	501042151	TLM-150V 150	40	150	3000	520
501042172	TLM- 150C 150	501042172	50	300	5000	790
TLM-175V 175	501042175	TLM-175E	50	400	5000	1070
175 501042200	TLM -200A 200		60	300	6000	840
501042201	TLM - 200V TLM 50	504230	60	600	6000	1460
300 501042305	TLM-300E 300		65	200	10000	1240
			65	300	10000	1410
			65	600	10000	1820
			80	400	12000	2200
			80	600	12000	2710



- For precise precision work
- Roughness of working surfaces Ra <0,8
- Manual finishing and control of work surfaces
- Modular design • Parallel 0.005mm / 100mm
- Hardness of working surfaces HRC59-63
- Extended range of motion
- Developed by MICROTECH

THOUSAND LOCAL MODULAR EXTENDED ROTARY

Code	Type	Sponge		Course	Mounting effort	Price
		Width	Height			
		mm	mm	mm	100	kg Euro
501045100	TLP -100 100	501045120	TLP	30	150	3000 710
-125 125	501045151	TLP -150V 150		40	300	3000 848
501045172	TLP - 150C 150	501045172		50	400	5000 1130
TLP -175V 175	501045175	TLP -175E		50	300	5000 1410
175 501045200	TLP - 200A 200		60	600	6000	1330
501045201	TLP - 200V 200	501045305		60	200	6000 1860
300 501042505	TLP -300E 300		65	300	10000	1250
			65	600	10000	1830
			65	400	10000	2410
			80	600	12000	2630
			80		12000	3300



- For precise precision work
- Roughness of working surfaces Ra <0,8
- Manual finishing and control of work surfaces
- Modular design • Swivel base
- Parallel 0.005mm / 100mm
- Hardness of working surfaces HRC59-63
- Extended range of motion
- Developed by MICROTECH

THOUSAND LOCAL UNIVERSAL EXTENDED



Code	Type	Sponges Stroke Width Height				Price
		single	double			
		mm	mm	mm	mm	Euro
501044100	TLU-100-20	100	30	290	2x90	880
501044120	TLU-125-20	125	40	320	2x100	950
501044150	TLU-150-20	150	50	360	2x110	1410
501044170	TLU-175-20	175	60	600	2x220	1940
501044200	TLU-200-20	200	65	700	2x250	2960



- Modular design with two movable jaws and a double central sponge
- Single and double installation
- Roughness of working surfaces Ra <0,8
- Manual finishing and control of work surfaces
- Parallel 0.005mm / 100mm
- Hardness of working surfaces HRC59-63
- Developed by MICROTECH

THOUSAND MACHINERY PRECISION



Type	Width of		Breeding	Mass	Price
	sponges		sponges		
	mm	mm	mm	kg	Euro
MBV2000_100	100		100	5.5	172
MBV2001_100	100		100	6.2	276
MBV2001_135	135		150	10.5	414

YEARS PRECISION MACHINES ProGrip



Type	Width of		Breeding	Mass	Price
	sponges		sponges		
	mm	mm	mm	kg	Euro
ProGripP125	125		160	20	1140
ProGripP160	160		200	33	14437

THESIS MACHINERY PNEUMATIC



Type	Effort	Width of		Divorce.	Mass Price
		sponges		sponges	
	kN	mm	mm	mm	kg Euro
MBV2000y100	3,5kN	100		100	6.7 402
MBV2001y100	3,5kN	100		100	8.0 1265
MBV2001y135	5,5kN	135		150	12.3 1633

THYSE MACHINE HYDRAULIC



Type	Effort	Width of		Divorce.	Mass Price
		sponges		sponges	
	kN	mm	mm	mm	kg Euro
MBV2001y100	8.5 kN	100		100	7.5 621
MBV2001y135	18.5 kN	135		150	11.8 770

THOUSAND MACHINE SWITCHES REINFORCED

Code	Type	Width of		Pliers Mass	Price
		sponges			
		mm	mm	kg	Euro
501020080	TSP-80U	80	65	6.5	90
501020100	TSP-100U	100	80	10	110
501020125	TSP-125U	125	100	18	145
501020160	TSP-160U	160	125	35	232
501020200	TSP-200U	200	160	45	285
501020250	TSP-250U	250	280	63	360
501020320	TSP-320U	320	360	98	480



- Rotary base with a scale interval of 1 degree,
- Parallel sponges 0.025 mm / 100 mm
- Control of working surfaces
- Ability to set angles
- Manufactured under the control of MICROTECH

THOUSAND MACHINE GLOBES

Code	Type	Swivel axles	Width of		Mass	Price
			sponges			
		pcs	mm	mm	kg	Euro
501031002	TG-100	2	100		20	198
501031252	TG-125	2	128		31	210
501031253	TGT-125	3 2	135		43	550
501031602	TG-160		160		49	330



- Rotary base with a scale interval of 1 degree,
- Parallel sponges 0.025 mm / 100 mm
- Control of working surfaces
- Ability to set angles
- Manufactured under the control of MICROTECH

THOUSAND LOCKSMITHS STRENGTHENED CAST IRON

Code	Type	Anvil Mass Tina		
		mm	kg	Euro
501011200	TS-200U	200x200	60	295
501011250	TS-250U	250x250	83	390



MICROTECH



- Cast iron reinforced construction
- Steel sponges
- Swivel base
- Manufactured under the control of MICROTECH

THOUSAND LOCKSMITHS STRENGTHENED

Type	Width of sponges	Breeding sponges	Mass		Price
			mm	kg	
York63	63	55			55
York80	80	70			71
York100	100	105	4	6	114
York125	125	115	12.5		159
York150	150	125	20		229
Titan200	200	200	30		915
Titan250	250	200	40	45	1090



YORK®



- Cast iron reinforced construction
- Steel sponges
- Swivel base
- Made by YORK (Czech Republic)

THOUSAND LOCKSMITH PIPES

Type	Width of sponges	Breeding sponges	Mass		Price
			mm	kg	
York125T	125	115	20		188
York150T	150	125	30		270
Titan200T	200	200	40		971
Titan250T	250	200	45		1120



YORK®



- Cast iron reinforced construction
- Steel pipe jaws
- Additional pipe sponges
- Swivel base
- Made by YORK (Czech Republic)

THOUSAND LOCKSMITHS ROTARY

Type	Width of sponges	Breeding sponges	Mass Price	
			mm	kg
Handy063	63	55	4.5	69
HandyKU63	63	55	6.9	91
HandyKUS63	63	55	7.4	98
Handy080	80	70	6.5	84
HandyKU80	80	70	8.9	102
HandyKUS80	80	70	9.4	114
Handy100	100	70	8.0	123
HandyKU100	100	70	10.4	140
HandyKUS100	100	70	10.9	151



HandyKU80



HandyKUS80

YORK®



- Lightweight metalwork yews
- Fastening to a workbench
- Swivel base
- Made by YORK (Czech Republic)

THOUSAND ANGLE LOCKSMITHS



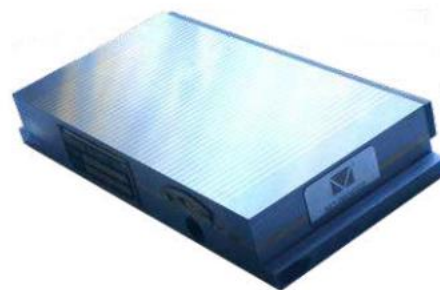
Type	Width of sponges	Breeding sponges	Mass		Price
			mm	kg	
PUS40	40	0-65	5.2		79
PUS60	60	0-100	8.3		127

YORK®



- Angular metalwork yews
- Made by YORK (Czech Republic)

MAGNETIC PLATES



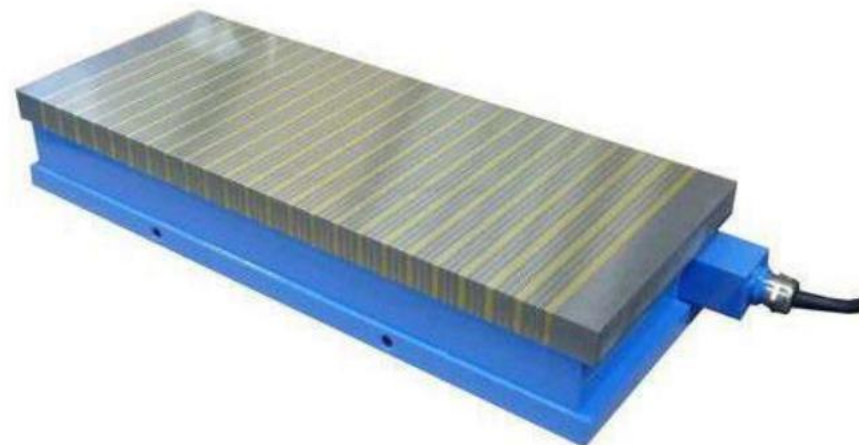
Size	Interpolar distance P	Detachment force N /	Mass Price	
			mm	cm2 16
200x100	5	16	10	290
250x100	5	16	15	300
300x150	5	16	19	500
400x150	5	16	26	660
400x200	5	16	35	810
630x200	5	16	62	1440
800x320	5	16	95	2000
1000x320	5	16	133	2700

MAGNETIC SINUS PLATES

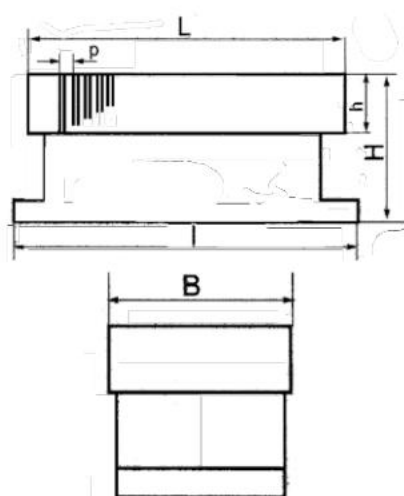


Size	Axis return	Interpolar distance P	Tilt angle	Detachment force N /	Price
300x150	1	5	0-45	16 16	1200
560x200	1	5	0-45	16 16	1500
630x200	1	5	0-45	16 16	1650
300x150	2	5	0-45	16 16	1200
400x125	2	5	0-45	16 16	1500

ELECTRO-MAGNETIC PLATES



Size	Interpolar distances P	Overall dimensions of the plate				Class exact	High-voltage constant	Power current	Effort. Powerful	separation min full	Mass Price	
		B	L1	I	H h						kg	Euro
400x125	16	125	400	396	85 20	P	110	0.5	55	50 25	28	770
630x200	22	200	630	628	110 30	P	110	1.14	125	50 25	100	990
800x300	22	300	800	796	110 30	P	110	1.68	185	50 25	156	1800
800x320	22	320	800	796	110 30	P	110	1.9	208	50 25	186	1900
1000x300	22	300	1000	996	110 30	P	110	2.0	220	50 25	210	2250
1000x320	22	320	1000	996	110 30	P	110	2.26	249	50 25	230	2400
1000x630	22	630	1000	996	116 36	P	110	4	440	50 25	400	3900
1250x320	22	320	1250	1246	116 36	P	110	2	216	50 25	315	3000
1600x300	22	300	1600	1596	120 36	P	110	4.2	462	50 25	335	3600
1600x320	22	320	1600	1596	116 36	P	110	2.2	233	50 25	390	3900
2000x630	40	630	2000	1994	120 40	P	110	6	660	50 25	800	9000



MICROTECH



- Roughness of working surfaces Ra <1,25
- Ability to make non-standard sizes
- Control of separation force
- Manufactured under the control of MICROTECH

MICROTECH



- Roughness of working surfaces Ra <1.25
- Tilt on 1 or 2 axes
- Ability to make non-standard sizes

- Control of separation force
- Manufactured under the control of MICROTECH

MICROTECH



- A high quality
- Roughness of working surfaces Ra <1.25
- Ability to make non-standard sizes
- Control of separation force
- Manufactured under the control of MICROTECH

