



TMTeck Instrument Co., Ltd.
TMTeck Manufacturing Limited.

**TMTeck INSTRUMENTS
LEADER OF NONDESTRUCTIVE TESTING**



PRODUCTS CATALOGUE

TMTeck Instrument Co., Ltd.
TMTeck Manufacturing Limited.

Add:#613A, LinJI Industrial Building ,No.53 of Shun Ren Road ,Lin He
Industrial park, ShunYi District ,101300,Beijing ,China.
Tel:0086-10-89444420
Fax: 0086-10-89445181

www.tmteck-ndt.com
Tina@tmteck-ndt.com



www.t mteck-ndt.com



TMTeck Instrument Co., Ltd. (hereafter "TMTeck") is a leading NDT manufacturers and suppliers in China and provides innovative technologies and comprehensive know-how to benefit customers in a lot of countries around the world. Till now, TMTeck has been active in the areas of technology-driven inspection solutions that deliver productivity, quality and safety.

Began from the Ultrasonic Flaw Detector and Coating Thickness Gauge, now TMTeck has developed more than 10 series of testing instruments, including Ultrasonic Flaw Detector, Coating Thickness Gauge, Hardness Testers, Ultrasonic Thickness Gauge, their accessories and other NDT instruments. These products are widely used in the analysis of materials that enable our customers to monitor, control and validate their critical processes and applications, also our goods has CE certificates.



Part One: Company Instruction	01
About Us	01
Part Two: Leeb hardness tester	03
Leeb Hardness tester THL280 PLUS	03
Leeb hardness tester THL210	04
Leeb Hardness Tester THL360	05
Leeb Hardness Tester THL370	05
Part Three: Ultrasonic Thickness Gauge	06
Ultrasonic Thickness Gauge TM210 PLUS	06
Ultrasonic Thickness Gauge TM210B	07
Ultrasonic Thickness Gauge A-SCAN Shot TM270 Series	08
Ultrasonic Thickness Gauge A-SCAN & B-SCAN TM280 Series	09
Through Coating Ultrasonic Thickness Gauge TM230D /TM250D	10
High Precision Ultrasonic Thickness Gauge TM220	10
Part Four: Surface Roughness Gauge	11
Surface Profile Gauge TMR100	11
Roughness Tester TMR120	12
Surface Roughness Gauge TMR200	13
Part Five: Coating Thickness Gauge	14
Coating Thickness Gauge TM510FN PLUS	14
Coating Thickness Gauge TM550FN	15
Cross Hatch Cutter	16
Part Six: Eddy Current Conducting Meter TMD-102	17
Part Seven: Ultrasonic Flaw Detector	18
Ultrasonic Flaw Detector TFD320	18
Ultrasonic Flaw Detector TFD800C	19
Ultrasonic Flaw Detector TFD810C	20
Part Eight: TMTeck Table Hardness Tester	21
Part Nine: Grinding Polishing Machine	23
Part Ten: Metallurgical Cutting Machine	24
Part Eleve: TMTeck ACCESSORIES	26



LEEB HARDNESS TESTER THL280 PLUS



Features

- ★ LCD display of 128×64 matrix with back-light, showing all functions and parameters.
- ★ Converts to all common hardness scales (HV, HB, HRC, HRB, HRA, HS).
- ★ English displaying and easy and convenient menu operation.
- ★ Powerful PC Software available and USB 2.0 interface & with the USB Protective Membrane.
- ★ 7 types of Impact Device optional, which don't need to be recalibrated when changing them.
- ★ Memory of 600 groups data (impact times:32~1) .
- ★ Lower limit setting and sound alarm.
- ★ Material of "cast steel" is added; HB values can be read out directly when D/DC impact device is used to measure "cast steel" work piece.
- ★ Printer be separated from main unit and copies of testing results can be printed as required.
- ★ AA battery can easy change and transport.
- ★ Inbuilt function of Software Calibration.

Datapro for Hardness tester THL280 PLUS



SPECIFICATIONS

Hardness scale	HL, HB, HRB, HRC, HRA, HV, HS
Memory	48~600 groups (impact times: 32~1)
Measuring range	HLD (170~960) See below table 1 and table 2
Accuracy	±4HLD (760±30HLD) error of displayed value 4HLD (760±30HLD) repeatability of displayed value
Standard Impact Device	D
Optional Impact Devices	DC/D+15/G/C/DL
Max. Workpiece Hardness	996HV(For Impact Devices D/DC/DL/D+15/C) 646HB(For Impact Device G)
Min. Radius of Workpiece	Rmin=50mm (with special supporting ring Rmin=10mm)
Min. Workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Workpiece thickness	5mm (Impact Devices D/DC/DL/D+15) 1mm (Impact Device C) 10mm (Impact Device G)
Min. thickness of hardened surface	0.8mm
Power	AA battery
Continuous Working time	approx. 100 h (no back light off)
Charging time	2-3.5 h
Operating temperature	0~40 C
Relative humidity	≤90%
Overall dimensions	125*67*31mm (main unit)
Weight	0.3kg (main unit)

STANDARD CONFIGURATION

Seq	Name	Qty	Remark
1	Main Unit	1	Standard configuration
2	Impact Device Type D	1	Standard configuration
3	Test Block Type D	1	Standard configuration
4	Cleaning Brush	1	Standard configuration
5	Supporting Ring	1	Standard configuration
6	Communication Cable	1	Standard configuration
7	Manual	1	Standard configuration
8	Carrying Case	1	Standard configuration
9	DataPro Software(USB)	1	Standard configuration
10	Battery Case Tool	1	Standard configuration
11	Mini-printer	1	Optional configuration

LEEB HARDNESS TESTER THL210



SPECIFICATIONS

Hardness scale	HL, HB, HRB, HRC, HRA, HV, HS
Memory	48~600 groups (impact times: 32~1)
Measuring range	HLD (170~960) See below table 1 and table 2
Accuracy	±6HLD (760±30HLD) error of displayed value 6HLD (760±30HLD) repeatability of displayed value
Standard Impact Device	D
Optional Impact Devices	DC/D+15/G/C/DL
Max. Workpiece Hardness	996HV(For Impact Devices D/DC/DL/D+15/C) 646HB(For Impact Device G)
Min. Radius of Workpiece	Rmin=50mm (with special supporting ring Rmin=10mm)
Min. Workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Workpiece thickness	5mm (Impact Devices D/DC/DL/D+15) 1mm (Impact Device C) 10mm (Impact Device G)
Min. thickness of hardened surface	0.8mm
Power	Normal AA Battery
Continuous Working time	approx. 100 h (no back light off)
Operating temperature	0~40 C
Relative humidity	≤90%
Overall dimensions	125*67*31mm (main unit)
Weight	0.3kg (main unit)

FEATURES

- ★ LCD display of 128×64 matrix with back-light, showing all functions and parameters.
- ★ Converts to all common hardness scales (HV, HB, HRC, HRB, HRA, HS).
- ★ English displaying and easy and convenient menu operation.
- ★ Powerful PC Software available and USB 1.0 interface and USB with Protective Membrane.
- ★ 7 types of Impact Device optional, which don't need to be recalibrated when changing them.
- ★ Memory of 600 groups data (impact times:32~1) .
- ★ Lower limit setting and sound alarm.
- ★ Material of "cast steel" is added; HB values can be read out directly when D/DC impact device is used to measure "cast steel" work piece.
- ★ Printer be separated from main unit and copies of testing results can be printed as required.
- ★ Normal battery AAA and big power store while USB connected and charging controlling circuit.
- ★ Inbuilt function of Software Calibration.

Datapro for Hardness tester THL210



STANDARD CONFIGURATION

Seq	Name	Qty	Remark
1	THL210 Main Unit	1	Standard configuration
2	Impact Device Type D	1	Standard configuration
3	Leeb Standard Test Block	1	Standard configuration
4	Cleaning Brush	1	Standard configuration
5	Supporting Ring	1	Standard configuration
6	Communication Cable	1	Standard configuration
7	Manual	1	Standard configuration
8	Carrying Case	1	Standard configuration
9	THL210 DataPro Software(USB)	1	Standard configuration
10	Mini-printer	1	Optional configuration

LEEB HARDNESS TESTER THL360



LEEB HARDNESS TESTER

THL370



MAIN APPLICATION

- ★ Die cavity of molds
- ★ Bearings and other parts
- ★ Failure analysis of pressure vessel, steam generator and other equipment.
- ★ Heavy work piece.
- ★ The installed machinery and permanently assembled parts
- ★ Testing surface of a small hollow space
- ★ Material identification in the warehouse of metallic materials
- ★ Rapid testing in large range and multi-measuring areas for large-scale work piece.

TECHNICAL SPECIFICATIONS

Error and repeatability of displayed value:

No.	Type of impact device	Hardness value of Leeb standard hardness block	Error of displayed value	Repeatability
1	D	760±30HLD 530±40HLD	±6 HLD ±10 HLD	6 HLD 10 HLD
2	DC	760±30HLDC 530±40HLDC	±6 HLDC ±10 HLDC	6 HLD 10 HLD
3	DL	878±30HLDL 736±40HLDL	±12 HLDL	12 HLDL
4	D+15	766±30HLD+15 544±40HLD+15	±12 HLD+15	12 HLD+15
5	G	590±40HLG 500±40HLG	±12 HLG	12 HLG
6	E	725±30HLE 508±40HLE	±12 HLE	12 HLE
7	C	822±30HLC 590±40HLC	±12 HLC	12 HLC

TECHNICAL SPECIFICATIONS

- ★ Measuring range: HLD (170~960) HLD
- ★ Measuring direction: 360 degree.
- ★ Hardness Scale: HL, HB, HRB, HRC, HRA, HV, HS
- ★ Display: 3 inch screen, one of the biggest in China.
- ★ Data memory: 600 groups max. (relative to impact times 32~1)
- Printing paper: width is (57.5±0.5) mm, diameter is 30mm
- ★ Battery pack: 6V NI-MH
- ★ Battery charger: 9V/500mA
- ★ Continuous working period: about 150 hours (With backlight off, no printing)
- ★ Communication interface: USB1.1
- ★ Outline dimensions: 210mm*85mm*35mm

CONFIGURATION

No.	Item	Quantity	Remarks
1	Main Unit	1	
2	D type impact device	1	With cable
3	Standard test block	1	
4	Cleaning brush (I)	1	
5	Small support ring	1	
6	Battery Charger	1	9V 500mA
7	Paper for printing	1	
8	Manual	1	
9	Instrument case	1	
10	Software	1	
11	Cable with CD	1	

ULTRASONIC THICKNESS GAUGE TM210 PLUS



FEATURES

- ★ Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass and other ultrasonic wave well-conductive materials.
- ★ Transducer models are available for special application, including for coarse grain material and high temperature applications.
- ★ Probe-Zero function, Sound-Velocity-Calibration function.
- ★ Two-Point Calibration function.
- ★ Coupling status Indicator showing the coupling status.
- ★ Battery information indicates the rest capacity of the battery AAA model battery and Ultra-low power consumption, it is can continue working 100 hours.
- ★ Auto sleep and auto off function to conserve battery life.
- ★ Usb port with Protective Membrane and datapro software to process the memory data on the PC.
- ★ Optional thermal mini-printer to print the measured data via USB port.
- ★ Adjust gain function, can easy to test the cast iron material.

SPECIFICATIONS

Display:	128×64 LCD with LED backlight.
Measuring range:	0.75mm~300.0mm (0.03inch~11.8 inch)
Sound velocity:	1000m/s~9999m/s (0.039~0.394in/μs)
Display resolution:	0.01mm or 0.1mm (lower than 100.0mm) 0.1mm (more than 99.99mm)
Accuracy:	±(0.5%Thickness +0.02)mm, depends on Materials and conditions
Units:	Metric/Imperial unit seletable.
Lower limit for steel pipes:	5MHz probe: F20mm 3.0mm(F0.8"0.12 inch)
10MHz probe:	F20mm 3.0mm(F0.6"0.08 inch)
Power Source:	2pcs 1.5V AA size, batteries.100 hours typical operating time(LED backlight off).
Communication:	USB serial port
Outline Dimensions:	150mm×74mm×32mm
Weight:	238 g
Four measurements readings per second for single point measurement, Memory for up to 5 files(up to 100 values for each file) of stored values	



CONFIGURATION

	No	Item	Quantity	Note
Standard Configuration	1	Main body	1	
	2	Transducer	1	Model: TM-08
	3	Couplant	1	
	4	Instrument Case	1	
	5	Operating Manual	1	
	6	Alkaline battery	2	AA size
Optional Configuration	12	DataPro Software	1	
	13	Communication Cable	1	
	7	Transducer: TM-12		Appendix A
	8	Transducer: TM-06		
	9	Transducer: HT5		
10	Mini thermal printer	1		
11	Print cable	1		

Probe optional for ultrasonic thickness gauge

Model	Freq. MHz	Measuring range	Lower limit	Description
TM-12	2	3.0mm~300.0mm (in steel)	20	For thick, highly attenuating, or highly scattering materials
TM-08	5	1.2mm~230.0mm (in steel)	∅ 20mm×3.0mm	Normal measurement
TM-08/90	5	1.2mm~230.0mm (in steel)	∅ 20mm×3.0mm	Normal measurement
TM-06	7	0.75mm~80.0mm (in steel)	∅ 15mm×2.0mm	For thin pipe or small curvature pipe wall thickness measurement
HT-5	5	3mm~200mm (in steel)	30	For high temperature measurement (up to 300 C)
HT5-2	5	3mm~200mm (in steel)	30	For high temperature measurement (up to 550 C)

ULTRASONIC THICKNESS GAUGE

TM210B



FEATURES

- ★ Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass and other ultrasonic wave well-conductive materials.
- ★ Transducer models are available for special application, including for coarse grain material and high temperature applications.
- ★ Probe-Zero function, Sound-Velocity-Calibration function.
- ★ Two-Point Calibration function.
- ★ Coupling status Indicator showing the coupling status.
- ★ Battery information indicates the rest capacity of the battery. Ultra-low power consumption, it is can continue working 100 hours.
- ★ Auto sleep and auto power off function to conserve battery life.
- ★ Usb port with Protective Membrane and datapro software to process the memory data on the PC.
- ★ Optional thermal mini-printer to print the measured data via USB port.
- ★ Adjust gain function ,can easy to test the cast iron material,

SPECIFICATIONS

Display:	128×64 LCD with LED backlight.
Measuring range:	0.75mm~300.0mm (0.03inch~11.8 inch)
Sound velocity:	1000m/s~9999m/s (0.039~0.394in/μs)
Display resolution:	0.01mm or 0.1mm (lower than 100.0mm) 0.1mm (more than 99.99mm)
Accuracy:	±(0.5%Thickness +0.02)mm, depends on Materials and conditions
Units:	Metric/Imperial unit seletable.
Lower limit for steel pipes:	5MHz probe: F20mm 3.0mm(F0.8"0.12 inch)
10MHz probe:	F20mm 3.0mm(F0.6"0.08 inch)
Power Source:	2pcs 1.5V AA size, batteries.100 hours typical operating time(LED backlight off).
Communication:	USB serial port
Outline Dimensions:	150mm×74mm×32mm
Weight:	238 g
Four measurements readings per second for single point measurement, Memory for up to 5 files(up to 100 values for each file) of stored values	

ULTRASONIC THICKNESS GAUGE A-SCAN SHOT

TM270 SERIES



Measurements from one side

Ultrasonic thickness gages make instant digital measurements by transmitting sound into a material from one side, making it unnecessary to cut the corroded part.

Lightweight and pocket-size

These handheld gages are small enough to fit in a toolbox or inside your pocket. They are ideal for quick inspections in hard-to-reach areas.

Color-coded keypad

You can directly access many important measurement features for time-saving operation. Strategically located keys are grouped together by color for easy operation.

Large OLED display

The large numerals make it easy to read thickness measurements.

Standard Package includes:

- Main unit
- 5MHz, 10 mm diameter transducer
- operational manual,
- probe cable,
- couplant ,
- certificate,
- hard carrying case

Warranty: 2 year warranty on parts and labor

SPECIFICATION

Thickness range: 0.6 mm - 508 mm, (0.008 - 20 inches) depending on material, temperature and transducer selection
Material Velocity Calibration Range: 500 - 9999 m/s (0.0197 - 0.3937 in/μS)

Battery type: 2 "AA" Alkaline

Battery life: Up to 35 hours

Color Display: 320x240 pixels, 2.4" high resolution OLED display

Display contrast: 10000:1

Information displays: LOS, min, max, large reading while displaying min at the same time, velocity, zero, calibration, units, freeze, unfreeze, % battery life remaining, gain - low, std, high, echo to echo symbol

Resolution: 0.01 or 1mm . (0.001" or 0.01")

Units: English/Metric

Gain: Low, Standard and High for varying test conditions

Measurement rate: 4, 8, 16 Hz refresh

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value

Alarms: Minimum/Maximum depth, beeps and display flashes as well as keypad illumination

Shut off: Manual or Auto, time out (user programmable from 5, 10, 20 minutes)

Fast Scan Min/Max mode: Displays minimum or maximum thickness value

Freeze mode: Freezes display to hold onto last reading

Scan mode: Displays minimum or maximum thickness value

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value

Alarms: Minimum/Maximum depth

Keypad: Color illuminate , easy setup and operate

Waveform: Color A-scan Waveform display

Gain Adjust: low, medium and high variable adjustment of gain

Rectification Modes: A-San Shot(Basic function)

Echo to Echo: Besides the last functions,add Measures the metal thickness only (ignore paint and coatings)as Model TM270D

Data logger:Besides the last functions,add 100,000 thickness data logger with ID point in linear or grid files (400 files) as Model TM270DL

Output: USB 2.0 full speed connector. DataView report software

Size: 153mm (L) 76mm (W) x 1.25" (37 mm) (H)

Weight: 280 g

Temperature: Gage Operating: -10° C to 50° C

CONFIGURATION

	No	Item	Quantity	Note
Standard Configuration	1	Main body	1	
	2	Transducer	1	Model: TM-08
	3	Couplant	1	
	4	Instrument Case	1	
	5	Operating Manual	1	
	6	Alkaline battery	2	AA size
Optional Configuration	12	DataPro Software	1	
	13	Communication Cable	1	
	7	Transducer: TM-12		Appendix A
	8	Transducer: TM-06		
	9	Transducer: HT5		
10	Mini thermal printer	1		
11	Print cable	1		

Probe optional for ultrasonic thickness gauge

Model	Freq. MHz	Diem Min.	Measuring range	Lower limit	Description
TM-12	2	14	3.0mm~300.0mm (in steel)	20	For thick, highly attenuating, or highly scattering materials
TM-08	5	8	1.2mm~230.0mm (in steel)	∅ 20mm×3.0mm	Normal measurement
TM-08/90	5	8	1.2mm~230.0mm (in steel)	∅ 20mm×3.0mm	Normal measurement
TM-06	7	6	0.75mm~80.0mm (in steel)	∅ 15mm×2.0mm	For thin pipe or small curvature pipe wall thickness measurement
HT-5	5	13	3mm~200mm (in steel)	30	For high temperature measurement (up to 300 °C)
HT5-2	5	13	3mm~200mm (in steel)	30	For high temperature measurement (up to 550 °C)

ULTRASONIC THICKNESS GAUGE A-SCAN & B-SCAN TM280 SERIES



TECHNICAL SPECIFICATIONS

Feature	TM280	TM280D	TM280DL	Data Logger Option
Color Display	✓	✓	✓	
Live A-Scan	✓	✓	✓	
Time-based B-Scan	✓	✓	✓	
Control of Gain, Blanking, Gate, Range, Delay, RF and Rectify Modes	✓	✓	✓	
Echo-Echo Mode (Thru Paint & Coatings)	X	✓	✓	
Data Logger	X	X	✓	✓
DataView Software	X	X	✓	✓

INSTRUMENT SPECIFICATIONS

Display Type	2.4" color OLED, 320 X 240 pixels, contrast 10,000:1
Operating Principle	Pulse echo with dual element transducers
Measuring Range	0.50mm to 508mm(0.02" to 20.00"), depending on material, probe and surface condition
Measuring Resolution	Selectable 0.01mm, 0.1mm(selectable 0.001", 0.01")
Units	Inch or Millimeter
Rectify Modes	RF+, RF-, HALF+, HALF-, FULL
Display Mode	Normal, Minimum / Maximum capture, DIFF/RR%, A-Scan, B-Scan
V-Path Correction	Automatic
Update Rate	Selectable 4Hz, 8Hz, 16Hz
Material Velocity Range	500 to 9999m/s (0.0197 to 0.3937in/us)
Languages	English
Alarm Settings	Minimum and Maximum alarms. Range of 0.25 mm to 508 mm (0.010" to 20.00"). Dynamic waveform color change on alarm
Power Requirements	2 AA size batteries
Operating Time	Approximately 40 hours
Instrument Shut-off	Selectable ALWAYS ON or AUTO OFF after 5, 10, 20 minutes of inactivity
Operating Temperature	-10°C to +50°C (+10°F to +120°F)
Size	153mm X 76mm X 37mm(H X W X D)
Weight	280g including batteries

THROUGH COATING ULTRASONIC THICKNESS GAUGE TM230D /TM250D



FEATURES

- AUTOMATIC SELF CALIBRATION
- COUPLANT INDICATOR
- AUTOMATIC POWER OFF DEVICE
- HIGH-LOW LIMIT ALARM
- LCD BRIGHTNESS ADJUST
- THROUGH COATING CAPABILITY
- LOW BATTERY INDICATOR

TECHNICAL SPECIFICATIONS

MEASURING RANGE (STEEL)	STANDARD	TM230D	TM250D
		0.8mm – 250mm Depending of the probes	
	THROUGH COATING	3mm – 18mm Depending of the probes	
DISPLAY RESOLUTION		0.1mm or 0.01inch	0.1mm/0.01mm or 0.01inch/0.001inch
TOLERANCE		±/- 0.1mm in steel	±/- 0.025mm in steel
VELOCITY RANGE		1000-9999 m/s (0.0393-0.3936 inch/us)	
DISPLAY TYPE		4 digital LCD with advanced backlight	
MEMORY		500 Test Values	
POWER		2 pcs. 1.5v AA Batteries	
OUTSIDE DIMENSION		149mm×73mm×32mm	
WEIGHT		160g	

STANDARD DELIVERY

MAIN UNIT WITH THOUGH COATING MODE
STANDARD PROBE PT-08
COUPLANT BOTTLE
TWO AA SIZE 1.5V BATTERIES
OPERATION MANUAL
CARRYING CASE

HIGH PRECISION ULTRASONIC THICKNESS GAUGE TM220



FEATURES

- HIGH ACCURACY AND RESOLUTION UP TO 0.001mm or 0.0001 inch
- MEASURING ULTRA THIN SAMPLE AS LOW AS 0.15mm or 0.006 inch
- DISPLAY UNITS : IMPERIAL and METRIC
- AUTOMATIC SELF CALIBRATION
- COUPLANT INDICATOR
- AUTOMATIC POWER OFF DEVICE

TECHNICAL SPECIFICATIONS

Measuring Range (for steel)	Interface-Echo Mode: (I-E or Standard Mode) Echo-Echo Mode: (E-E or High Precision Mode)	1.50mm – 20.0mm (0.059in – 0.787 in) 0.15mm – 10.0mm (0.006in – 0.394in)
Measuring Accuracy		±0.005mm or 0.0002 inch (if thickness < 3mm) ±0.05mm or 0.002 inch (if thickness < 20mm)
Display Resolution		mm : 0.1 / 0.01 / 0.001 inch : 0.01 / 0.001 / 0.0001
Sound Velocity Range		1000 to 9999 m/sec (0.0394 – 0.3936 inch/ms)
Measuring Refresh Frequency		4Hz in normal mode, up to 25Hz
Memory Capacity		500 test values
Multiple Calibrations		One point or Two Point
Power off		Auto power off if idle for 4 minutes
Operating Temperature		-10 °C to +50 °C

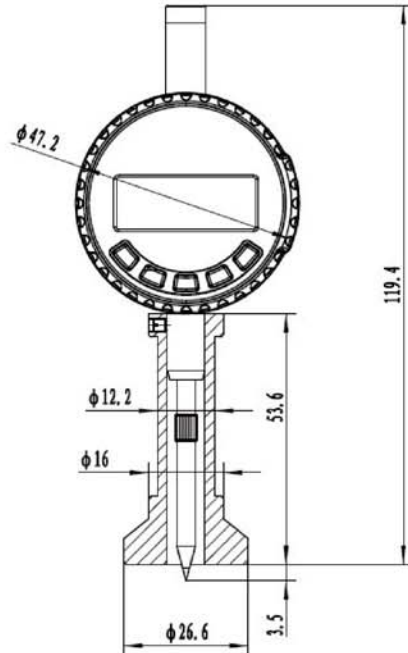
STANDARD DELIVERY

Main Unit
Precision Probe (D11R)
Operation Manual
Consumer-Type 2 AA Type Alkaline Battery
Carrying Case

SURFACE PROFILE GAUGE TMR100



ROUGHNESS TESTER TMR120



This is a low cost option to surface profile measurement. The size of this unit makes it easy to use and easy to balance on the surface. The special stepped foot and 30deg sharp needle ensures measurements meet the requirements of ASTM 3894.5-2002 (Surface Profile), and as far as we can ascertain it is the only gauge available which complies with the requirements of this Australia Standard. Design of the unit permits accuracies equivalent to an electronic surface trace. Gives maximum peak to average valley height. This gauge actually works, and works well.

This Gauge works on grit sand shot blasted and saw cut surfaces.

The Digital gauge can also measure, the depth of pits, cracks, craters and scratches of the outer (in some instances it would do the inside) surfaces of steel structures, pipes and concrete. Enables quick assessment of surface condition.

If a hole is made in the coating to the substrate, the gauge will also function as a coating thickness gauge.

Max Range 0-6.5mm, pre set to 500µm can be operator changed.

Resolution 0.001mm; Accuracy: ±2µm

Max Range 0.2inch, Resolution 0.00005inch.

Available as metric/imperial.

The reading maximum range is user adjustable.



FEATURES

- ★ Pocket-size & economically price
- ★ Using the high speed microprocessor DSP;
- ★ Using the OLED screen, bright and without visual angle
- ★ Data output USB port
- ★ Large measuring range suitable for most materials
- ★ Measures flat, outer cylinder and sloping surface
- ★ Both Ra and Rz parameters in one instrument
- ★ Works on 3.7V rechargeable lithium-battery, work while charging
- ★ Real time battery indicator

TECHNICAL SPECIFICATIONS

Roughness parameter	Ra, Rz, Rq, Rt
Tracing length	6mm
Tracing speed	1.0mm/sec
Cut-off lengths	0.25mm/0.8mm/2.5mm
Evaluation length	1.25mm/4.0mm
Measuring range	Ra: 0.05-10.0µm Rz: 0.1-50µm
Accuracy	±5%
Repeatability	<12%
Radius and angle of the stylus point	Diamond, Radius : 10µm±1µm Angle: 90°(+5°or -10°)
Power supply	3.7V Li-ion battery
Recharging time	3 hours
Operating temperature	-20-40 °C
Relative humidity	<90%
Dimensions (L×W×H)	106×70×24mm
Weight	200g

STANDARD DELIVERY

- Main unit TMR120
- Specimen Ra
- Charger & USB cable
- Instruction manual
- Carrying case

SURFACE ROUGHNESS GAUGE

TMR200



FUNCTIONS AND FEATURES

Electromechanical integration design, small volume, light weight, easy to use;
 Using DSP chip to control and data processing, high speed, low power consumption;
 Large range, parameters Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr, Rx;
 128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective;
 Display information rich, intuitive, can display all the parameters and graphics;
 Compatible with ISO, DIN, ANSI, JIS national standards;
 Built-in lithium ion rechargeable battery and a charging control circuit, high capacity, no memory effect;
 Residual quantity indicator icon, prompting the user to charge;
 Display of the charging process instructions, the operator can understand the degree of charge
 Working time more than 20 hours of continuous work
 Large capacity data memory, can store 100 groups of original data and waveform.

Real-time clock settings and display, convenient data recording and storage
 With automatic dormancy, automatic shutdown and power saving function
 Reliable control motor to go dead circuit and software design
 Measurement information display, menu prompt information, false information and switch machine and other tips that information;
 Full metal shell design, sturdy, compact, portable, high reliability.
 Can be in English freely switch
 Can be connected to a computer and printer;
 Optional sensor surface, hole sensor, measuring platform, sensor, an extension rod and other accessories.



THE PERFORMANCE INDEX OF SENSOR

The detection principle	Current induction
Measuring range	160 μm
Tip radius	5 μm
Tip material	Diamond
Stylus force	4mN(0.4gf)
Stylus angle	90°
The guide head vertical radius	45mm

TECHNICAL PARAMETERS

Item	Description
The maximum driving trip	17.5mm/0.7inch
Indicating error	Not more than ± 10%
Variation of indication	Not more than 6%
The measured profile	Roughness, waviness, the original contour
Parameter	Ra (0.005μm ~ 16μm) Rz (0.02μm ~ 160μm) Rq Rt Rp Rv R3z R3y RzJIS Rsk Rku Rsm Rmr Rx
Filter	RC,PCRC,Gauss,ISO13565
The sampling length L	0.25mm,0.8mm,2.5mm,8mm
Evaluation length L	(1-5)
Internal storage capacity	100 groups of original data
External input / output interface	USB
Electric source	Built-in rechargeable lithium ion battery or external power adapter

Outline dimension

143 x 55 x 42mm (host). Weight: about 0.4KG (host).

COATING THICKNESS GAUGE

TM510FN PLUS



2 Measuring modes: continuous/single
 2 Shutdown modes: manual/automatic
 Wide measuring range with 5 probes available (next page)
 Direct testing mode and block statistics mode (APPL/BATCH)
 Can connect with printer to out of statistical values
 Dataview to connect with PC with USB 1.0 port
 500 datas can be stored

STANDARD DELIVERY

Main unit	1
Probe F1 or N1	1
Calibration foils	5
Instruction manual	1
Certificate	1
Warranty card	1
Carrying case	1
Communication cable	1
PC software Dataview	1

Optional accessories

5 probes for different applications
 Calibration foils in various thickness



TECHNICAL SPECIFICATIONS

Measuring range	0-1250 um with standard probe F1.N1 (10,000um max)
Probes available	5 probes available for F (ferrous: on steel/iron) and N (non-ferrous metals)
Tolerance	F1:±(1um+3%H) N1:±(1.5um+3% H) H: actual thickness tested
Operation language	English
Standards	DIN, ISO, ASTM,BS
Min. measuring area	F1:(standard probe)
Min. curvature radius	convex:3mm, concave:50mm
Min. substrate thickness	type F: 0.5mm, type N: 50mm
Calibration	Zero and foil calibration
Statistics	Number of measurements, mean, standard deviation, maximum and minimum of 3000readings
Data memory	500 measuring data
Limits	Adjustable with acoustic alarm
Interface	USB 1.0
Operating temperature	0-40 C
power supply	AA size 1.5V
Dimensions	125*67*31mm (main unit)
Weight	345.g

MAIN FEATURES

Can use various probe (F400, F1, F1/90°, F10, N1, N400, etc.) measurement;
Three calibration methods: one point calibration, two point calibration, the basic calibration;
Display resolution: 0.1 um (measuring range of less than 100 um)
 1um (range greater than 100 um)
 Have five statistics, data storage 500
There are two working methods: direct ways and means of group
There are two measurements: continuous measurement and a single measurement
There are two shutdown: manual and automatic shutdown shutdown
Can be set Bound: The gauge of the measured value can be automatic alarm and a number of measurements available on the histogram value analysis;
Deleted features: the gross error and error settings can be deleted;
Printing: Print Measurement measurement, statistics, gauges, histogram
 A music tone in the operation carried out at any time tips
 A power supply under-voltage direct function
 An error function
And printers, computer communications (communications software operating environment for the Window operating system) connectivity.

COATING THICKNESS GAUGE

TM550FN



FEATURES

- 128*128 dot matrix LCD display, standard menu operations;
- Two measure mode: single and continuous;
- Two group mode: direct (DIR) and general(GEN), readings will be lost when power off in direct mode, and not be lost in general mode. 80 readings can be stored for each group;
- Zero point calibration and multi-point calibration(up to 4 points) for each group;
- User can recall, delete specified readings, or delete group readings;
- Statistics display: mean, minimum, maximum and standard deviation;
- Three probe mode: auto, magnetic and eddy current;
- User can set high or low limit alarm for each group;
- Power off automatically;
- USB interface to data transmission;
- Low battery and error indication;



SPECIFICATIONS

Measuring principle:	Magnetic induction (F-probe) and eddy current (N-probe);
Measuring range:	0 to 1300um (0 to 51.2mils) can be to 0—1500um if you needs;
Accuracy:	± (3% of readings+2um); ± (3% of readings+0.078mils);
Resolution:	0um~999um (1um), 1000um~1300um (0.01mm); 0mils~39.39mils (0.01mils), 39.4mils~51.2mils (0.1mils);
Calibration:	One to four point calibration, zero calibration;
Data Group:	One direct group (readings not be stored to memory), four general group (readings can be stored), and each group have individual statistics, alarm settings and calibration;
Statistics:	No. of readings, mean, minimum, maximum and standard deviation;
Units:	um, mm and mils;
Alarm:	User can set the high/low alarm, and alarm icon displayed on LCD when over the limit;
Minimum curvature radius:	convex 1.5mm(59mils) and concave 25mm(984mils);
Minimum measuring size:	Diameter 6mm(236mils);
Minimum thickness of substrate:	F-probe: 0.5mm(0.02"), N-probe: 0.3mm(0.012");
Computer interface:	Download data via USB interface;
Power supply:	Two 1.5v AAA battery;
Operation temperature:	0°C to 40°C (32°F to 104°F);
Storage temperature:	-20°C to 70°C (-4°F to 158°F);
Size:	110mm*53mm*24mm (4.33"*2.09"*0.94");
Weight:	92g (3.24oz);

STANDARD CONFIGURATION

Index	Item	Quantity
1	Gauge	1
2	Aluminium substrate	1
3	Standard foil	5
4	1.5V AAA battery	2
5	Technical manual	1
6	USB cable	1
7	Case	1

CROSS HATCH CUTTER



SPECIFICATIONS

TMTeck design cross hatch cutter is applicable to determine the adhesion of organic coatings by cross-hatching.

This instrument is designed for assessing the resistance of paint or related coatings to separation from substrates when a right-angle lattice pattern is cut into the coating, penetrating through to the substrate.

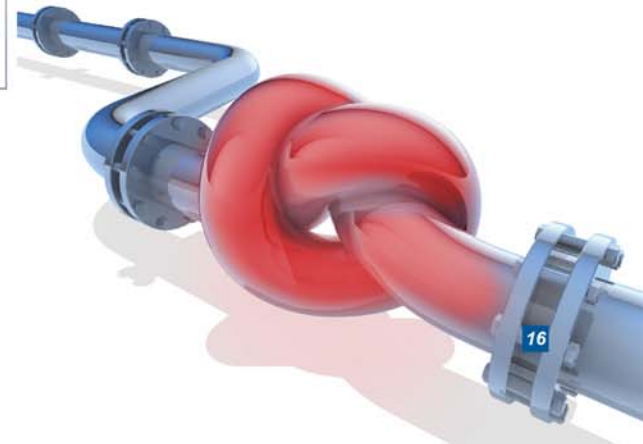
The Cross Hatch Cutters conform with the requirements of:BS 3900 E6,BS/EN ISO 2409,ASTM D 3359,GB/T 9286, it is economy.

MAIN TECHNICAL PARAMETERS

Working blade	Width of blade end	Hardness	Coat thickness
1mm 6 tooth	0.03mm, 0.06mm	Hard	0-60µm
1mm 11 tooth	0.03mm, 0.06mm	Hard	0-60µm (0-50µm ASTM)
2mm 6 tooth	0.03mm, 0.06mm	Hard & Soft	61-120µm (50-125µm ASTM)
2mm 11 tooth	0.03mm, 0.06mm	Hard & Soft	61-120µm (50-125µm ASTM)
3mm 6 tooth	0.03mm, 0.06mm	Hard & Soft	121-250µm

STANDARD PACKAGE

- Cross Hatch Cutter:1pcs
- Magnifier: 1pcs
- Brush:1 pcs
- Gummed tape(3M):1pcs



EDDY CURRENT CONDUCTING METER

TMD-102



FEATURES

The meter uses 60 KHz (aviation industry standard) to inspect, and the testing data can be read in two kinds of unit: %IACS or MS/m.

- ★ Its big typeface, the back light illumination designs are advantageous for users to take the testing data even in low light condition.
- ★ Two kinds of operate languages satisfy different national demand.
- ★ It uses the high property battery to make sure it keeps more running time, and because of its mini-size, it is easy to carry and to grasp hold.
- ★ The design of the meter is more advantages: user can replace the probe in the outdoor, don't need to return to the company to adjust the probe into matching the meter.
- ★ It can store 1000 measurement data.

TECHNICAL PARAMETERS

NAME	CONTENT	
Measurement technology	Eddy current	
Operating frequency	60KHz, 240KHz	
Display screen	240X320 pixels TFT-LCD; 4 kinds of background color	
L*B*H	180*80*30 mm	
Instrument case	Anti-intense impact, water-proofing polyester.	
Weight	260g	
Power supply	High capacity, high performance lithium polymer battery	
Measuring range	Conductivity	6.9%IACS—110%IACS(4.0 MS/m -64MS/m)
	Resistivity	Correspond the Conductivity
Distinguishing rate	0.01% IACS 0.000001Ω·(mm) ² /m	
Measuring accuracy	0°C to 50°C	
	0~23%IACS : ±0.1%IACS 23%IACS~110%IACS : ±0.3%IACS	
Temperature compensation	Automatic compensation to the value of 20 °C.	
Normal work environment	Relative humidity	0~95%
	Operating temperature	0°C~50°C
Language	English, Chinese	
Fitting	Portable box; probe; probe in cable; operating manual; conductivity standard sample; adapter.	
Probe	Diameter:12.7mm (Applicable to minimum measuring area diameter at 60KHz is10mm.)	
	Diameter: 8mm (Applicable to minimum measuring area diameter at 240KHz is 7mm.)	

Note: The conductivity measurements automatically rectified to the value at 20°C.

ULTRASONIC FLAW DETECTOR

TFD320



PRODUCT INFO

- Automated calibration Automated gain
- Automated make video of test process and play
- DAC AVG & B scan, AWS function, 6dB DAC
- High-speed capture and very low noise
- Solid metal housing (IP65)
- High contrast viewing of the waveform from bright
- Powerful pc software and reports can be export to excel through RS232/ USB interface

FEATURES

- Automated display precise flaw location(Depth d, level p, distance s, amplitude, sz dB, φ)
- Automated switch three staff gauge ((Depth d, level p, distance s)
- Automated calibration of transducer Zero-point, Angles, Front edge and material Velocity
- Convenient to make and use DAC and AVG to evaluate the echo, the curve can be modified and compensated
- 100 independence setup, any criterion can be input freely, we can work in the scene without test block
- Big memory of 300 A graph and 30000 thickness value
- Automated gain and gain scan
- Automated make video of test process and play
- Peak Hold and Peak Memory
- B scan
- Powerful pc software and reports can be export to excel
- The embedded software can be online updated
- Li battery, continue working time up to 10 hours

ULTRASONIC FLAW DETECTOR TFD800C



USB memory knob digital ultrasonic flaw detector TFD800C mini total 1kg with battery
Simple operation with fast rotary knob adjustments use in direct sunlight and operation at extreme temperatures...

PRODUCT INFO

- Automated calibration Automated gain
- Automated make video of test process and play
- AWS D1.1, DAC (6dB DAC), AVG, TCG & B scan, 28 DGS curves
- Pulse can be adjusted by customer
- High-speed capture and very low noise
- Solid metal housing (IP65), rubber plastic dust cover included
- High contrast viewing of the waveform from bright
- Powerful pc software and reports can be export to excel
- Small size, light weigh model, total 1kg with battery
- Knob design, fast operation
- USB memory stick for no limit data transmission

FEATURES

- Automated calibration of transducer, angle, Zero point and Velocity
- Automated gain, Peak Hold and Peak Memory
- Automated display precise flaw location (Depth d, level p, distance s, amplitude, sz dB, φ);
- Automated switch three staff gauge ((Depth d, level p, distance s)
- 100 independence setup, any criterion can be input freely, we can work in the scene without test block
- Big memory of 1000 A graph
- RS232/USB 2.0 port, communication with pc is easy
- The embeded software can be online updated
- Li battery, continue working time up to 10 hours
- Other assistant function
- Display freeze
- Automated echo degree
- Angles and K-value
- Lock and unlock function of system parameters
- Dormancy and screen savers
- Electronic clock calendar
- Two gates setting and alarm indication
- High-speed capture and very low noise

Automated make video of test process and play, USB memory disk, no limit for video time.

STANDARD CONFIGURATION

No.	Item	Quantity
1	Main Body	1
2	Straight Beam Probe	1
3	Angle Probe	1
4	Machine-probe Cable	2
5	Battery Module	1
6	Power Adapter (Charger)	1
7	Manual	1
8	Instrument Case	1
9	Dataprop Software	1
10	USB communication Cable	1

ULTRASONIC FLAW DETECTOR TFD810C



SPECIFICATIONS

- Ranges:** 0.5 to 10,000 mm (steel) range selectable in fixed steps or continuously variable
- Material velocity:** 1,000 to 15,000 m/s, continuously variable in steps of 1 m/s and 22 selectable material velocities
- Display delay:** From -5 to 1,000 μs
- Probe delay:** 0 to 200 μs
- Auto calibration:** Measurement and setting of sound velocity and probe delay using two known calibration echoes (2-point calibration)
- Pulse energy (Spike mode):** Low energy (70V), High energy (500V)
- Square wave excitation pulse (option)**
- Pulse Voltage** 20 to 500 V adjustable in 10 V increments
- Pulse Width** Tunable from 20 to 1000 ns in 10 ns increments
- Damping:** Low (50 ohms), High (500 ohms), (1,000 ohms in TR mode)
- Pulse repetition frequency:** 20 to 1K Hz
- Frequency ranges (-3 dB):** 0.2 to 1 MHz, 0.5 to 4 MHz, 2 to 20 MHz
- Gain:** 0 to 110 dB adjustable in selectable steps 0.5, 1.0, 2.0, 6.0, 12.0, user definable, and locked (step 0).
- Rectification:** Full-wave, negative half-wave, positive half-wave and RF mode
- Reject:** Linear, 0 to 90 % screen height Variable in steps of 1 %
- Monitor gates:** 2 independent gates in color bar mode, start and width variable over the entire calibration range, response threshold of 5 to 95 % screen height variable in steps of 1 %.
- Alarm:** Alarm signal via LED and connectable internal horn. Alarm mode of positive logic, negative logic or DAC
- Zoom Expands** A-scan display area for increased screen resolution.
- Magnify:** Expands area within the selected gate over the entire display range for increased A-scan resolution.

SOUND PATH MEASUREMENT

Digital display of sound path (projection distance, depth) between initial pulse and the first echo in the gate, or between the echoes in the two gates, with selectable echo peak, echo flank or Japanese echo flank detection.

Amplitude display: In % screen height:
dB difference above gate height,
dB difference above DAC or TCG
dB difference above DGS curve (FD350)

Displayed reading:
Sound path, (reduced) projection distance, depth, amplitude for every gate, user configurable at four positions of measurement line and of the zoomed display in the A-scan

Display:
5.7 inch LED backlight TFT_LCD
Display resolution 320 x 240 pixels
A-scan resolution 200 x 220 pixels, 320 x 220 pixels (zoom)

A-scan functions:
Manual or automatic A-scan freeze,
A-scan comparison, echo dynamics (envelope), peak echo storage

Standard Delivery of Digital Portable Ultrasonic Flaw Detector TFD810C:

- Portable ultrasonic flaw detector main unit
- Operating manual
- Straight Beam probe
- Angle-beam probe (60 degree)
- Probe cable
- PC software CD
- Serial PC cable
- AC adapter/charger
- Carrying case



TMTECK TABLE HARDNESS TESTER



	Type	Name
Brinell	DHB-3000	Electronic Brinell Hardness Tester
	MHB-3000	"Digital Brinell Hardness Tester (include Digital Microscope)"
	XHB-3000	"Digital Brinell Hardness Tester (Large Screen, Built-in Printer)"
	601MHB (62.5Z)	Low Load Digital Brinell Hardness Tester
	XHB-3000+CCD	Automatically Image Measuring Digital Brinell Hardness Tester
	TE	TE BRINELL HARDNESS IMAGE AUTOMATIC MEASURING
	HB-3000	Brinell Hardness Tester 220V
	HB-3000B	Brinell Hardness Tester 220V



	Type	Name
Rockwell	HR-150A	Rockwell Hardness Tester
	HR-150DT	Motorized Rockwell Hardness Tester
	HRS-150	"Digital Rockwell Hardness Tester (Large Screen, Built-in Printer)"
	HRM-45	Superficial Rockwell Hardness Tester
	HRM-45DT	Motorized Superficial Rockwell Hardness Tester
	HRMS-45	"Digital Superficial Rockwell Hardness Tester (Large Screen, Built-in Printer)"
	XHR-150	Plastics Rockwell Hardness Tester
	XHRS-150	Digital Plastics Rockwell Hardness Tester
	HRX-150	Portable Rockwell Hardness Tester
	560RSS	"Digital Double Rockwell Hardness Tester (Large Screen, Built-in Printer)"
	HSRD-45	
	200HRS-150	



	Type	Name
Micro Vickers	HV-1000A	Micro Vickers Hardness Tester
	HV-1000B	Micro Vickers Hardness Tester
	HV-1000Z	Micro Vickers Hardness Tester (Motorized Turret)
	DHV-1000	Digital Micro Vickers Hardness Tester
	DHV-1000Z	Digital Micro Vickers Hardness Tester (Motorized Turret)
	HVS-1000	Digital Micro Vickers Hardness Tester (Built-in Printer)
	HVS-1000Z	Digital Micro Vickers Hardness Tester (Built-in Printer, Motorized Turret)
	MHV-1000	Digital Micro Vickers Hardness Tester (Large Screen, Built-in Printer)
		Add 2kg test force
	MHV-1000Z	Digital Micro Vickers Hardness Tester (Large Screen, Built-in Printer, Motorized Turret)
		Add 2kg test force
	XHV-1000	Digital Micro Vickers Hardness Tester (Touching Screen, Built-in Printer, Motorized Turret)
	THV-2000	Digital Micro Vickers Hardness Tester (Large Screen, Built-in Printer, Motorized Turret)
THV-2000S	Digital Micro Vickers Hardness Tester (Large Screen, Built-in Printer, Motorized Turret, Screen)	
402SXV	Digital Micro Vickers Hardness Tester (Built-in Printer, Motorized Turret)	



	Type	Name
Vickers	HVS-5/10	Digital Vickers Hardness Tester
	HVS-30/50	Digital Vickers Hardness Tester
	HVS-5P/10P	"Digital Vickers Hardness Tester (Built-in Printer)"
	HVS-30P/50P	"Digital Vickers Hardness Tester (Built-in Printer)"
	HVS-5Z/10Z	"Digital Vickers Hardness Tester (Built-in Printer, Motorized Turret)"
	HVS-30Z/50Z	"Digital Vickers Hardness Tester (Built-in Printer, Motorized Turret)"
	MHV-5Z/10Z	"Digital Vickers Hardness Tester (Large Screen, Built-in Printer, Motorized Turret)"
	MHV-30Z/50Z	"Digital Vickers Hardness Tester (Large Screen, Built-in Printer, Motorized Turret)"



GRINDING POLISHING MACHINE



GP260-200

METALLURGICAL SPECIMEN PREPARATION MACHINE:

- GP Grinder/Polisher is to provide the most economical and practical equipment for metallurgical sample preparation. It can meet user's demands.
- This series of models are designed and manufactured on the basis of international advanced metallurgical sample preparation methods and sample preparation conditions, which is equipped with the beautiful and practical FRP shell ,in standard parts without never rusty.
- There is a single work disc or two-disc models for selection for quick replacement.
- There is the disc with the size of 200mm, 250mm,300mm for selection.
- Single disc or double disc models has stepless speed or multi-speed to choose.
- E-type machine has stepless speed and fixed- speed at on machine, disc can adjust the polishing direction at ran



GP-1B

GP-1B/GP-2B FEATURES:

GP-1B 、 GP-2B are grinding/polishing machine with single or double discs, They may meet the sampling requirement for kibbling ,fine grinding, rough polishing till fine polishing , which are ideal sampling equipments for the small and medium enterprises.

Note: Polishing Head PH-100 is Optional!



GP-300

SPECIFICATION

Model	GP - 300
Power supply	220V/50Hz
Plate Diameter	∅250mm (Option: ∅203mm)
Rotate Speed	0-1000rpm(Stepless); (Option 4 Speed:150rpm/300rpm 600rpm/800rpm)
Sandpaper Diameter	250mm
Motor	YSS7124,550W
Net Weight	17kg
Packing Dimension	62 x 40 x 30cm

METALLURGICAL CUTTING MACHINE



TMAC-100A

TMAC-80/AC-100 FEATURES:

- LCD shows all kinds of parameter
- Cutting diameter: φ5-φ80mm(AC-100φ5-φ100mm)
- Cutting capacity:100x200mm
- Manually cutting /Automatic cutting
- Large cutting room, tempered glass observation window
- Improve the cutting quality
- Automatic after cutting
- Increase the depth of cutting



TMAC-110A

TMAC-110A FEATURES:

TMAC-110A Manual/Automatic cutting machine are designed and manufactured according to the European health and safety standard. The series of machines consist of controlling system, cutting system, lighting system ,cooling system and cleaning system. Super cooling system can make workpiece avoid while cutting. Imported switch and the safety of the operators .Simultaneously AC-110A owns the manual and automatic features that makes it own widely.

The machines successfully combines the latest cutting technology, high flexibility and convenience into one. The series of machine are especially suitable for tertiary institutions , automobile manufacturing industry, steel and metallurgical industries as will as materials R & D and so on.



TMMC-55

TMMC-55 FEATURES:

- Max.Cutting Diameter:Φ55mm
- Rotation speed:2860rpm
- PowerSupply:3Phase/380V/50Hz
- Dimension:650x500x400mm
- Weight:80Kg

METALLURGICAL CUTTING MACHINE



TMMC-80

TMMC-80/TMMC-100 FEATURES

- Rotation speed:2800rpm
- Motor Specification:3.0kw
- Dimension:720x700x620mm
- Net Weight:194Kg
- Power Supply:3Phase/380V/50Hz



TMPC-25

TMPC-25 FEATURES:

PC-25 applies to cut all kinds of hard materials , especially for cutting high-value fragile crytals, The machine has many clamps which make the workpiece cut at the optimum oposition. Meanwhile limiting switch can process without the supervision of the operator. Spindle runs precisely, and adjust the level of objects.



TMPC-60

TMPC-60 FEATURES:

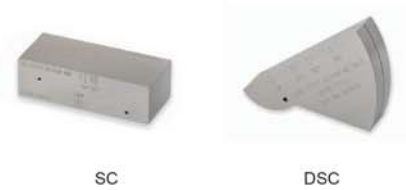
- Pre-setting feed speeds(0-30mm/min).
- For cutting all kinds of materials precisely.
- Menu control LCD display.
- User may define the data-base of the cutting method.
- tow work position for clamping workpiece.
- Ultra-closed cutting compartments with safety switch.
- Precise position to 2um.
- Continuously cut sheet.

TMTECK ACCESSORIES

ULTRASONIC PROBE



ULTRASONIC TEST BLOCK



ULTRASONIC CABLE



SUPPORT RING



Type	Remarks
Z10-15	For testing cylindrical outside surface R10--R15
Z14.5-30	For testing cylindrical outside surface R14.5--R30
Z25-50	For testing cylindrical outside surface R25--R50
HZ11-13	For testing cylindrical inside surface R11--R13
HZ12.5-17	For testing cylindrical inside surface R12.5--R17
HZ16.5-30	For testing cylindrical inside surface R16.5--R30
K10-15	For testing spherical outside surface SR10--SR15
K14.5-30	For testing spherical outside surface SR14.5--SR30
HK11-13	For testing spherical inside surface SR11--SR13
HK12.5-17	For testing spherical inside surface SR12.5--SR17
HK16.5-30	For testing spherical inside surface SR16.5--SR30
UN	For testing cylindrical outside surface radius adjustable R10--∞

IMPACT DEVICE

