ADVANCED TESTING TECHNOLOGY
FOR MATERIALS AND METALS

A Capability-Focused Portfolio for Hardness, Impact, Mechanical Testing and Metallography

MikroTech INSTRUMENTS

RAYS
Realize The Real Need...



- Material Testing Machines
- NDT Equipments
- Calibration
- Metallography
- Metrology
- AMC Services

Automotive | Aerospace | Steel | Foundry | Manufacturing | Research | Education

OUR
VALUED CUSTOMERS

Trusted by industry leaders. Driven by excellence.

OUR
SERVICE PARTNERS

PRODUCT CATEGORIES

FROM MATERIAL TESTING TO MEASUREMENT CONFIDENCE

HARDNESS TESTING MACHINES



- Rockwell
- Brinell
- Vickers
- Micro Vickers
- Universal Hardness
- Automated Hardness

UNIVERSAL TESTING MACHINES



- Universal Testing
- Tensile
- Compression
- Bending
- Torsion
- Creep

IMPACT TESTING MACHINES



- Charpy
- Izod
- Pendulum Impact
- Plastic Impact
- Impact Specimen Preparation & Inspection Solutions

VISION MEASUREMENT & OPTICAL INSPECTION



- Vision Measuring Systems
- Profile Projectors
- Image Analysis Software
- Automated Measurement & Inspection Systems

METALLOGRAPHY & CLEANLINESS INSPECTION



- Metallurgical Microscopes (Upright / Inverted)
- Stereo Microscopes
- Image Analysis & Measurement Systems
- Milli-pore / Metal Cleanliness Inspection Kits

SAMPLE PREPARATION MACHINES



- Cutting
- Mounting
- Grinding
- Polishing
- Multi-sample/ Automated Preparation

SPECIAL PRODUCTS



- UCI/Leeb Hardness
- Portable Hardness Tester
- Durometer
- DFT Meter
- Laser Spectrometer
- UT Machine

TECHNICAL SUPPORT



- Selection & Supply
- Installation
- Training
- Calibration Support
- AMC
- Repair & Upgradation

MHB-3000B BRINELL HARDNESS TESTING MACHINE

ITEM#CODE:2500MI





Model: MHB-3000B	Specifications
Scale Test Force	187.5, 250, 500, 750, 1000, 1500, 3000 kgf
Indenter	Ø2.5mm, Ø5mm, Ø10mm
Test Height	230mm
Depth of Throat	120mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual/Motorized & Weights
Measurement	Manual
Measuring Device	20x Manual reading microscope
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	10/3000 & 10/1000 HBW 1 each
Overall Dimensions	220mm * 700mm * 850mm
Net Weight	210kg
Camera/Software	Optional

MHBS-3000 BRINELL HARDNESS TESTING MACHINE

ITEM#CODE:6500MI





Model: MHBS-3000	Specifications
Scale Test Force	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000 kgf
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N,HR15T, HR30T, HR45T
Indenter	Ø2.5mm, Ø5mm, Ø10mm
Test Height	280mm
Depth of Throat	150mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual turret/Electronic load cell
Measurement	Digital touch screen
Measuring Device	20x Digital reading microscope
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	10/3000 & 10/1000 HBW 1 each
Overall Dimensions	230mm * 600mm * 920mm
Net Weight	130kg
Camera/Software	Optional

MHBS-3000A BRINELL HARDNESS TESTING MACHINE

ITEM#CODE:7000MI





Model: MHBS-3000A	Specifications
Scale Test Force	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000 kgf
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N,HR15T, HR30T, HR45T
Indenter	Ø2.5mm, Ø5mm, Ø10mm
Test Height	280mm
Depth of Throat	150mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Electronic load cell
Measurement	Digital touch screen
Measuring Device	20x Digital reading microscope
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	10/3000 & 10/1000 HBW 1 each
Overall Dimensions	230mm * 600mm * 920mm
Net Weight	130kg
Camera/Software	Optional

MHBRVD-187.5 UNIVERSAL HARDNESS TESTING MACHINE

ITEM#CODE:3150MI





Model: MHBRVD-187.5	Specifications
Scale Test Force	RHT - 60, 100, 150 kgf BHT – 30, 31.5, 62.5, 187.5 kgf VHT – 30, 100 kgf
Indenter Diameter	Ø2.5mm, Ø5mm, 1/16”, HV, HRC
Test Height	RHT-210mm & BHT/VHT-180mm
Depth of Throat	165mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual/Motorized & Weights
Measurement	Manual/Analogue
Measuring Device	15x manual reading microscope
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRBW, HRC, HV, HBW 1 each
Overall Dimensions	550mm * 230mm * 780mm
Net Weight	80kg
Camera/Software	Optional

MHBRVS-187.5 UNIVERSAL HARDNESS TESTING MACHINE

ITEM#CODE:7700MI





Model: MHBRVS-187.5	Specifications
Scale Test Force	RHT – 60, 100, 150 All scale BHT – 5, 6.25, 10, 15.6, 25, 30, 31.25, 62.5, 100, 125, 187.5, 250 kgf VHT – 5, 10, 20, 30, 40, 50, 60, 80, 100, 120 kgf
Indenter	Ø2.5mm, Ø5mm, 1/16", HV, HRC
Test Height	RHT-180mm & BHT/VHT-165 mm
Depth of Throat	160mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual/Electronic load cell
Measurement	Digital touch screen
Measuring Device	15x Digital reading microscope
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRBW, HRC, HV, HBW 1 each
Overall Dimensions	550mm * 230mm * 780mm
Net Weight	80kg
Camera/Software	Optional

MHVS-1000T MANUAL TURRET MICRO-VICKERS HARDNESS

ITEM#CODE:4500MI





Model: MHVS-1000T	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	110mm
Depth of Throat	110mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual turret/Automatic (loading & unloading)
Measurement	Digital touch screen
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	405mm * 290mm * 480mm
Net Weight	40kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-1000AT AUTO TURRET MICRO-VICKERS HARDNESS

ITEM#CODE:5000MI





Model: MHVS-1000AT	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	110mm
Depth of Throat	110mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Automatic (loading & unloading)
Measurement	Digital touch screen
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	405mm * 290mm * 480mm
Net Weight	40kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-1000L MANUAL TURRET MICRO-VICKERS HARDNESS

ITEM#CODE:4000MI

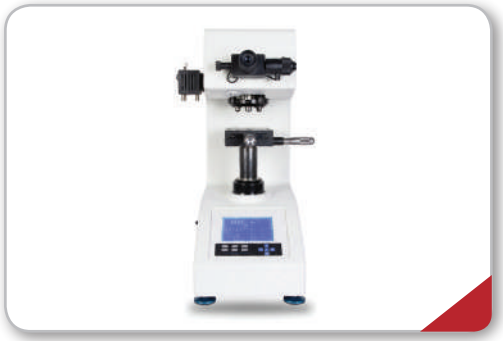




Model: MHVS-1000L	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	110mm
Depth of Throat	110mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	405mm * 290mm * 480mm
Net Weight	40kg
Camera/ Software	4k camera with case depth (ECD) software

MHVS-1000AL AUTO TURRET MICRO-VICKERS HARDNESS

ITEM#CODE:4500MI





Model: MHVS-1000AL	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	110mm
Depth of Throat	110mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	405mm * 290mm * 480mm
Net Weight	40kg
Camera/Software	4k camera with case depth (ECD) software

PMHVS-1000A AUTO TURRET MICRO-VICKERS HARDNESS

ITEM#CODE:7000MI





Model: PMHVS-1000A	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	110mm
Depth of Throat	110mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Automatic (loading & unloading)
Measurement	Digital touch screen
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	405mm * 290mm * 480mm
Net Weight	40kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-30 MANUAL TURRET VICKERS HARDNESS TESTER

ITEM#CODE:5000MI





Model: MHVS-30	Specifications
Scale Test Force	0.3, 0.5, 1, 2, 2.5, 3, 5, 10, 20, 30 kgf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	175mm
Depth of Throat	125mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	320mm * 580mm * 650mm
Net Weight	55kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-30A AUTO TURRET VICKERS HARDNESS TESTER

ITEM#CODE:5500MI





Model: MHVS-30A	Specifications
Scale Test Force	0.3, 0.5, 1, 2, 2.5, 3, 5, 10, 20, 30 kgf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	175mm
Depth of Throat	125mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	320mm * 580mm * 650mm
Net Weight	55kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-50 MANUAL TURRET VICKERS HARDNESS TESTER

ITEM#CODE:6000MI

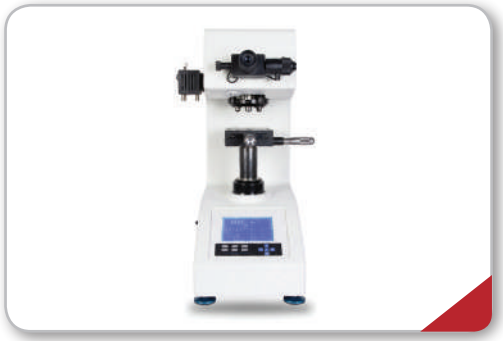




Model: MHVS-50	Specifications
Scale Test Force	0.5, 1, 2, 2.5, 3, 5, 10, 20, 30, 50 Kgf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	175mm
Depth of Throat	125mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Manual turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10X Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	320mm * 580mm * 650mm
Net Weight	55kg
Camera/Software	4k camera with case depth (ECD) software

MHVS-50A AUTO TURRET VICKERS HARDNESS TESTER

ITEM#CODE:5700MI





Model: MHVS-50A	Specifications
Scale Test Force	0.5, 1, 2, 2.5, 3, 5, 10, 20, 30, 50 Kgf (HV & HK)
Scale Conversion	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HR15T, HR30T, HR45T
Indenter	HV
Test Height	175mm
Depth of Throat	125mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
Load Application	Auto turret/Automatic (loading & unloading)
Measurement	LED Display
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	320mm * 580mm * 650mm
Net Weight	55kg
Camera/Software	4k camera with case depth (ECD) software

MHXYZD-1000A FULLY AUTOMATIC MICROHARDNESS TESTER

ITEM#CODE:28400MI





Model: MHXZD-1000A	Specifications
Scale Test Force	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (HV & HK)
Scale Conversion	All
Indenter	HV
Test Height	150mm
Depth of Throat	100mm
Power Supply	AC220V
Executive Standards	IS/ISO, ASTM
X-Y-Z Movement	Joystick & software
Load Application	Auto turret/Automatic (loading & unloading)
Working Method	Automatic focusing, X-Y-Z three-axis fully automatic
Measurement	Touch screen
Measuring Device	10x Digital reading microscope
Standard Accessories	Cross test bench, Sheet holding table, Flat clamping table, Filament clamping table
Standard Block	HV 2 Blocks
Overall Dimensions	320mm * 580mm * 650mm
Net Weight	50kg
Camera/Software	Camera with case depth (ECD) software
Computer	Included
Printer	Included

MHRD-150 ROCKWEL HARDNESS TESTER

ITEM#CODE:900MI





Model: MHRD-150	Specifications
Scale Test Force	60, 100, 150 all scales
Indenter	Diamond & 1/16" Ball
Test Height	210mm
Depth of Throat	165mm
Executive Standards	IS/ISO, ASTM
Load Application	Manual (loading & unloading)
Measurement	Analogue 0.5 HR
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRA, HRC, HRBW 3 Nos
Overall Dimensions	510mm * 210mm * 694mm
Net Weight	90kg

MHRD-150A ROCKWEL HARDNESS TESTER

ITEM#CODE:800MI





Model: MHRD-150A	Specifications
Scale Test Force	60, 100, 150 all scales
Indenter	Diamond & 1/16" Ball
Test Height	210mm
Depth of Throat	165mm
Executive Standards	IS/ISO, ASTM
Load Application	Manual (loading & unloading)
Measurement	Analogue 0.5 HR
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRC & HRBW
Overall Dimensions	510mm * 210mm * 694mm
Net Weight	90kg

MHRS-150 DIGITAL ROCKWELL HARDNESS TESTER

ITEM#CODE:2600MI





Model: MHRS-150	Specifications
Scale Test Force	60, 100, 150 all scales
Indenter	Diamond & 1/16" Ball
Test Height	210mm
Depth of Throat	165mm
Executive Standards	IS/ISO, ASTM
Load Application	Auto (loading & unloading)
Measurement	Digital 0.1 HR
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRC, HRBW
Overall Dimensions	220mm * 510mm * 694mm
Net Weight	95kg

MHRS-150A TOUCH SCREEN ROCKWELL HARDNESS TESTER

ITEM#CODE:3000MI

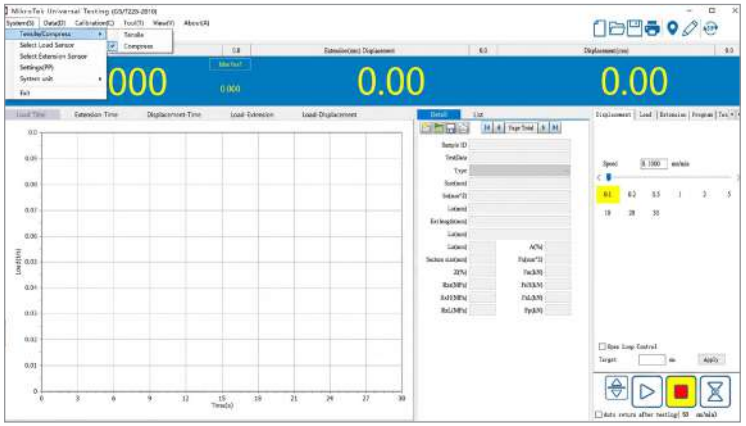




Model: MHRS-150A	Specifications
Scale Test Force	60, 100, 150 all scales
Indenter	Diamond & 1/16" Ball
Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Test Height	210mm
Depth of Throat	165mm
Executive Standards	IS/ISO, ASTM
Load Application	Auto (loading & unloading)
Measurement	Touch screen 0.1 HR
Standard Accessories	Big flat table & small flat table, V-shaped table
Standard Block	HRC & HRBW
Overall Dimensions	260mm * 530mm * 694mm
Net Weight	98kg

4 COLUMN 2 SCREW HEAVY DUTY UNIVERSAL TESTING MACHINE





Model	MWAW-300D	MWAW-600D	MWAW-1000D
Item#Code	1600MI	1800MI	2200MI
Capacity	300kN	600kN	1000kN
Measuring Range	2%-100%FS	2%-100%FS	2%-100%FS
Accuracy	≤±1%	≤±1%	≤±1%
Test Force Resolution	0.01kN	0.01kN	0.01kN
Displacement Measurement Resolution	0.01mm	0.01mm	0.01mm
Maximum Tensile Test Space	550mm	550mm	650mm
Maximum Compression Space	500mm	500mm	600mm
Column Distance	470 * 170mm	465 * 185mm	520 * 230mm
Piston Stroke	200mm	200mm	200mm
Round Specimen Jaws Clamping Diameter	Ø6 - Ø32mm	Ø6 - Ø40mm	Ø6 - Ø50mm
Flat Specimen Jaws Clamping Thickness	0 - 30mm	0 - 45mm	0 - 40mm
Maximum Clamping Width of Flat Specimen	70mm	70mm	60mm
Platen Size	Ø160mm	Ø160mm	Ø160mm
Maximum Distance Between Two Points of Bending Test	450mm	450mm	450mm
Width of Bending Support Roll	120mm	120mm	120mm
Diameter of Bending Support Roll	Ø30mm	Ø30mm	Ø30mm
Maximum Piston Travel Speed (mm/min)	50mm	50mm	50mm
Griping Method	Hydraulic clamping	Hydraulic clamping	Hydraulic clamping
Software & Computer	Including	Including	Including
Printer	Including	Including	Including
Power Supply	Three phase	Three phase	Three phase
Overall Dimension of Main Machine	760 * 620 * 1900mm	760 * 620 * 2200mm	850 * 670 * 2450mm
Overall Dimensions of the Force Measuring Cabinet	1150 * 650 * 900mm	1150 * 650 * 900mm	1150 * 650 * 900mm
Weight	1500kg	1800kg	2600kg

ELECTRONIC LOAD CELL BASED UNIVERSAL TESTING MACHINE



Note: Images are for reference only. Colour combinations may vary. Machine dimensions (height, width, and overall design) are customized as per customer requirements and may differ from those shown.

Model	MWDW-50D	MWDW-200D	MWDW-300D
Item#Code	7000MI	18500MI	21000MI
Capacity	50kN	100kN	300kN
Measuring Range	2%-100%FS	2%-100%FS	2%-100%FS
Accuracy	≤±1%	≤±1%	≤±1%
Test Force Resolution	0.01kN	0.01kN	0.01kN
Displacement Measurement Resolution	0.001mm	0.001mm	0.001mm
Maximum Tensile Test Space	800mm	800mm	600mm
Maximum Compression Space	800mm	800mm	600mm
Test Width	400mm	400mm	600mm
Max Travel of Cross Head	1250mm	1250mm	1000mm
Round Specimen Jaws Clamping Diameter	Ø4 - Ø36mm	Ø4 - Ø36mm	Ø4 - Ø36mm
Flat Specimen Jaws Clamping Thickness	0 - 36mm	0 - 36mm	0 - 36mm
Compression Platen Size	Ø160mm	Ø160mm	Ø160mm
Speed Range (mm/min)	0.01 - 500	0.01 - 500	0.01 - 500
Griping Method	Mechanical Wedge Grips	Mechanical Wedge Grips	Mechanical Wedge Grips
Software & Computer	Including	Including	Including
Printer	Including	Including	Including
Safety Features	Overload protection	Overload protection	Overload protection
Overall Dimension of Main Machine	720 * 600 * 2000mm	720 * 600 * 2000mm	1120 * 900 * 2500mm
Weight	500kg	500kg	1350kg
Power Supply	240V	240V	240V

MWDW-DE SINGLE-COLUMN UNIVERSAL TESTING MACHINE



Model	MWDW-0.5DE	MWDW-1DE	MWDW-5DE
Item#Code	5000MI	5000MI	5500MI
Capacity	500N	1000N	5000N
Measuring Range	2%-100%FS	2%-100%FS	2%-100%FS
Accuracy	≤±1%	≤±1%	≤±1%
Test Force Resolution	0.01kN	0.01kN	0.01kN
Displacement Measurement Resolution	0.001mm	0.001mm	0.001mm
Maximum Tensile Test Space	600mm	600mm	600mm
Maximum Compression Space	600mm	600mm	600mm
Test Width	400mm	400mm	600mm
Max Travel of Cross Head	1000mm	1000mm	1000mm
Round Specimen Jaws Clamping Diameter	Ø4 - Ø30mm	Ø4 - Ø30mm	Ø4 - Ø30mm
Flat Specimen Jaws Clamping Thickness	0 - 30mm	0 - 30mm	0 - 30mm
Compression Platen Size	Ø100mm	Ø100mm	Ø100mm
Speed Range (mm/min)	0.01 - 500	0.01 - 500	0.01 - 500
Griping Method	Mechanical Wedge Grips	Mechanical Wedge Grips	Mechanical Wedge Grips
Software & Computer	Including	Including	Including
Printer	Including	Including	Including
Safety Features	Overload protection	Overload protection	Overload protection
Weight	200kg	200kg	200kg
Power Supply	240V	240V	240V

Note: Images are for reference only. Colour combinations may vary. Machine dimensions (height, width, and overall design) are customized as per customer requirements and may differ from those shown.

MYAW-2000HB SERVO CONTROL COMPRESSION TESTING MACHINE

ITEM#CODE:4500MI



Model: MYAW-2000HB	Specifications
Capacity	2000kN (3000kN optional)
Operating	Servo control touch Screen
Resolution	0.1kN
Max Test Distance	320mm
Piston Stroke	80mm
Input Power	AC 440V
Dimensions	960mm * 680mm * 1370mm
Machine Weight	840kg

MSYE-2000HB DIGITAL COMPRESSION TESTING MACHINE

ITEM#CODE:10000MI



Model: MSYE-2000HB	Specifications
Maximum Capacity	2000kN (3000kN optional)
Resolution	0.1kN
Max Test Distance	320mm
Piston Stroke	80mm
Input Power	AC 440V
Dimensions	910mm * 460mm * 1320mm
Machine Weight	700kg

MTT-5000 TORSION TESTING MACHINES

ITEM#CODE:2***MI



Model: MTT-5000	Specifications
Maximum Test Torque	Up to 5000Nm (customizable)
Maximum Twist Angle	9999.9°
Minimum Twist Angle	0.1°
Axial Distance Between Two Torsion Discs	0 - 600mm (customizable)
Loading Speed of Testing Machine	1°/min - 360°/min
Power Supply	220 VAC 50 HZ

HORIZONTAL TENSILE TESTING MACHINES

ITEM#CODE:2***MI



Model: Customised	Specifications
Maximum Test Force	5000kN (500 ton)
Maximum Stroke of the Oil Cylinder	1200mm
Effective Test Length	12000mm (Customization available)
Effective Test Width	895mm
Dimensions	19700mm * 1735mm * 1200mm
Test Speed	1mm/min - 100mm/min
Displacement Resolution	0.01mm
Load Resolution	0.01kN

MJBW-50D DIGITAL IZOD AND CHARPY COMBINED PLASTIC IMPACT TEST MACHINE

ITEM#CODE:4000M



Model: MJBW-50D	Specifications
Capacity Available	25J or 50J
Available Hammer	Izod - 1.75J 7 & Charpy – 1J
Adjustable Hammer Energy	IZOD - 2.75J, 5.5J, 11J, 22J Charpy - 1J, 2J, 4J, 5J, 7.5J, 15J, 25J, 50J
Resolution	0.01J
Controlling	Touch screen/baton operated
Power Supply	AC220V ± 10%
Executive Standards	IS/ISO, ASTM
Working	Automatic impact
Measurement	Digital touch screen
Printer	Thermal printer
Overall Dimensions	2124mm * 600mm * 1340mm
Net Weight	50kg

MJB-300 IMPACT TESTING MACHINE

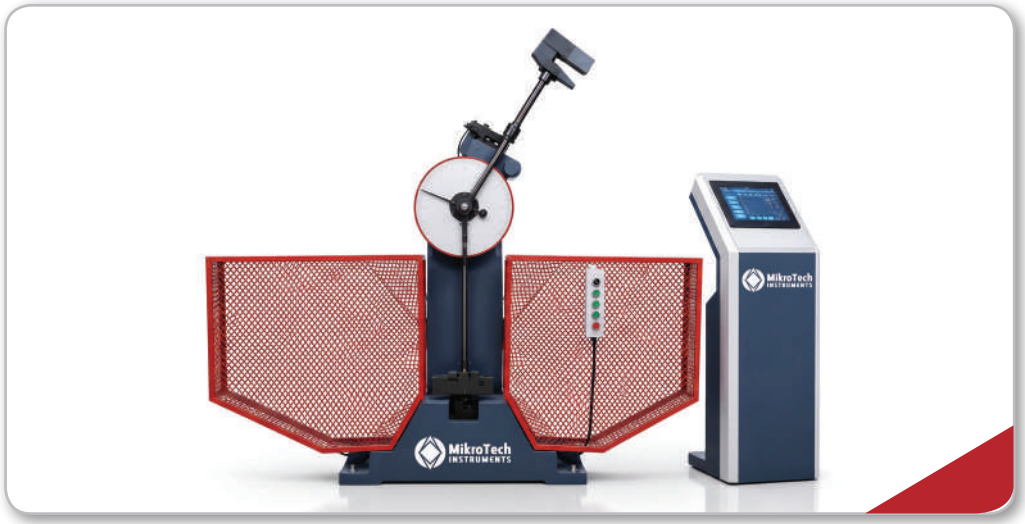
ITEM#CODE:4900MI



Model: MJB-300	Specifications
Pendulum Impact Energy	300J & 150J
Resolution	2J & 1J
Controlling	Remote control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Measurement	Analogue
Strikers	8mm & 2mm
Overall Dimensions	2124mm * 600mm * 340mm
Net Weight	450kg

MJBS-300B TOUCH SCREEN IMPACT TESTING MACHINE

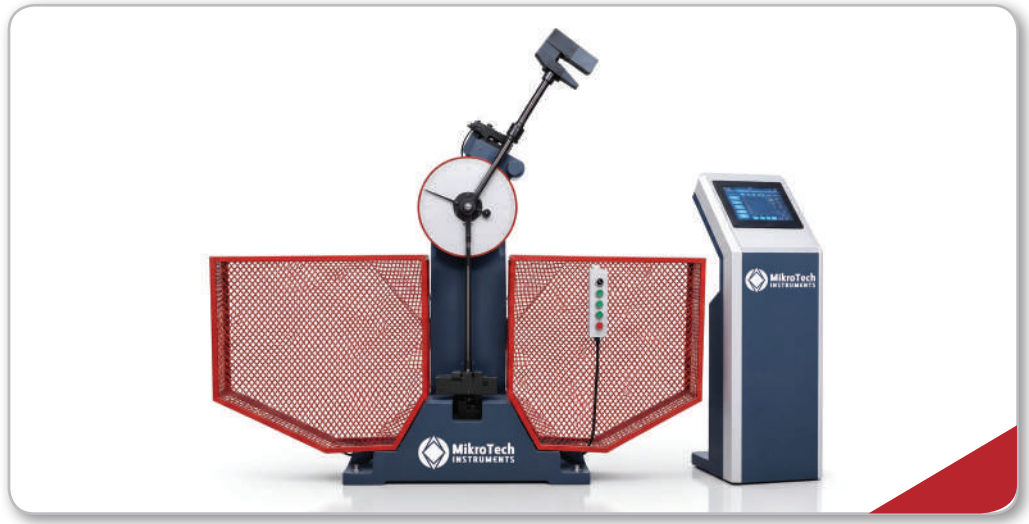
ITEM#CODE:6500MI



Model: MJBS-300B	Specifications
Pendulum Impact Energy	150J & 300J
Resolution	2J & 1J
Resolution of Touch Screen	0.1J
Controlling	Remote control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Measurement	Analogue & touch screen system
Printer	Thermal printer
Strikers	8mm & 2mm
Overall Dimensions	2200mm * 650mm * 2360mm
Net Weight	450kg

MJBS-500B TOUCH SCREEN IMPACT TESTING MACHINE

ITEM#CODE:8400MI



Model: MJBS-500B	Specifications
Pendulum Impact Energy	250J & 500J
Resolution	2J & 1J
Resolution of Touch Screen	0.1J
Controlling	Remote control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Measurement	Analogue & touch screen system
Printer	Thermal printer
Strikers	8mm & 2mm
Overall Dimensions	2200mm * 650mm * 2360mm
Net Weight	650kg

MJBW-300B COMPUTERIZED IMPACT TESTING MACHINE

ITEM#CODE:7500M



Model: MJBW-300B	Specifications
Pendulum Impact Energy	150J & 300J
Resolution	2J & 1J
Resolution on PC	0.1J
Controlling	Remote control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Measurement	Analogue & computer through software
Computer	Lenovo
Printer	HP America
Strikers	8mm & 2mm
Overall Dimensions	2124mm * 600mm * 1340mm
Net Weight	450kg

MJBW-500B COMPUTERIZED IMPACT TESTING MACHINE

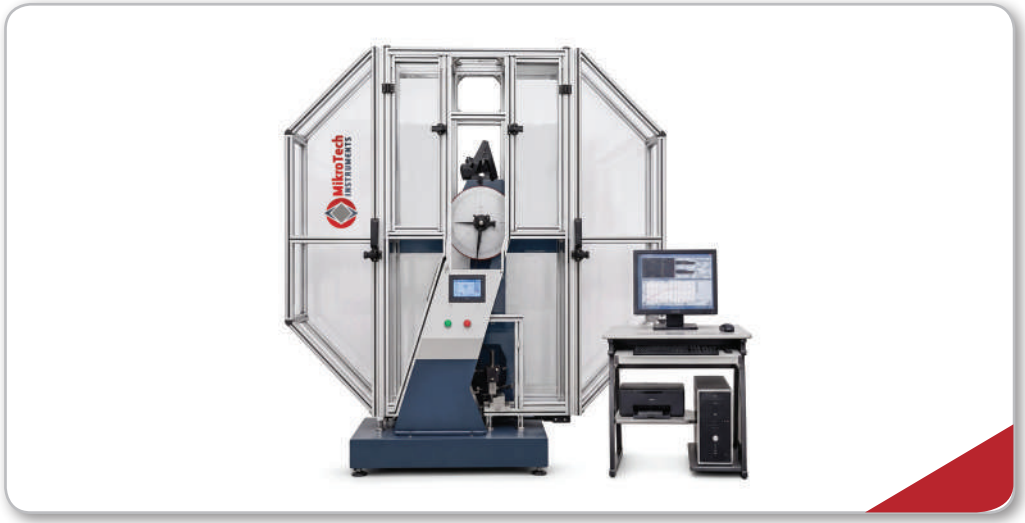
ITEM#CODE:9000MI



Model: MJBW-500B	Specifications
Pendulum Impact Energy	250J & 500J
Resolution	2J & 1J
Resolution on PC	0.1J
Controlling	Remote control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Measurement	Analogue & computer through software
Computer	Lenovo
Printer	HP America
Strikers	8mm & 2mm
Overall Dimensions	2124mm * 600mm * 1340mm
Net Weight	650kg

MJBW-450C DIGITAL IMPACT TESTING MACHINE

ITEM#CODE:16000MI



Model: MJBW-450C	Specifications
Capacity	450J
Resolution	2J
Resolution on PC & Screen	0.1J
Controlling	Touch screen/PC control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Three Displays	Touchscreen/Analogue/computer through software
Computer	Lenovo
Printer	HP America
Strikers	8mm & 2mm
Overall Dimensions	2100mm * 860mm * 2200mm
Net Weight	1100kg

MJBW-750C DIGITAL IMPACT TESTING MACHINE

ITEM#CODE:18500MI



Model: MJBW-750C	Specifications
Capacity	750J
Resolution	2J
Resolution on PC & Screen	0.1J
Controlling	Touch screen/PC control with emergency brake system
Power Supply	Three-phase four-wire system 440V
Executive Standards	IS/ISO, ASTM
Working	Automatic impact and latch
Three Displays	Touchscreen/Analogue/computer through software
Computer	Lenovo
Printer	HP America
Strikers	8mm & 2mm
Overall Dimensions	2100mm * 860mm * 2200 mm
Net Weight	1100kg

MVU-2Y HYDRAULIC NOTCH BROACHING MACHINE

ITEM#CODE:3500MI



Model: MVU-2Y	Specifications
Notch Type	V type, U type (2mm)
Broaching Speed	2.5m/min
Broach Material	M2 High speed steel
Broach Stroke	340mm
Executive Standards	IS/ISO, ASTM
Working	Automatic
Broach	V 2mm & U 2mm
Overall Dimensions	500mm * 500mm * 1040mm
Net Weight	50kg

MVU-2S MANUAL NOTCH BROACHING MACHINE

ITEM#CODE:2000MI



Model: MVU-2S	Specifications
Notch Type	V type, U type (2mm)
Broaching Speed	2.5m/min
Broach Material	M2 High speed steel
Broach Stroke	340mm
Executive Standards	IS/ISO, ASTM
Working	Manual
Broach	V 2mm & U 2mm
Overall Dimensions	500mm * 500mm * 1040mm
Net Weight	40kg

CST-50 V NOTCH PROFILE PROJECTOR

ITEM#CODE:1500MI



Model: CST-50	Specifications
Projection Screen	200mm * 200mm
Magnification	50x
V-Notch	Depth: 2mm, width: 2mm
Angle	45 ±1 degree
U-Notch	Depth: 2mm, width: 2mm
Light Source	12V 100W (halogen lamp)
Sample Stage Adjustment	Front, back, left, right, up, down, 360° rotation
Power Supply	220V 50HZ 200W
Dimensions	515mm * 224mm * 603mm
Weight	About 18kg

DWC-SERIES IMPACT SPECIMEN TEMPERATURE BATH



Model	DWC-40	DWC-60	DWC-80	DWC-100
Item#code	2500MI	3000MI	3500MI	10500MI
Range	Room Temp to -40°	Room Temp to -60°	Room Temp to -80°	Room Temp to -100°
Accuracy	<±0.5°c	<±0.5°c	<±0.5°c	<±0.5°c
Chamber Dimension	160 * 140 * 100mm	160 * 140 * 100mm	160 * 140 * 100mm	160 * 140 * 100mm
Cooling Medium	99% ethanol	99% ethanol	99% ethanol	99% ethanol
Weight	70kg	80kg	80kg	150kg
Voltage	AC 220V 50Hz, 1KV	AC 220V 50Hz, 1.5KV	AC 220V 50Hz, 1.5KV	AC 220V 50Hz, 1.5KV

CONTACT + VISION CNC VMM



Model		Micromea443	Micromea553	Micromea663
Item#code				
X/Y Axis Travel (mm)		400 * 400	500 * 500	600 * 600
Z Axis Travel (um)		300		
X/Y/ZAxis Linear Scale (um)		0.1um		
Guidance Mode		High-precision double-track linear guide		
Operation Mode		Joystick controller, mouse operation, automatic detection program		
Probe System		TP20 and MCR20 probe change system		
Accuracy* (um)		XY-axis: ≤1.8+L/200 Z-axis: ≤4.0+L/200		
Repeatability (um)		1.8um		
Repeatability	Contour	LED parallel contour illumination		
	Surface	LED parallel contour illumination		
Video System		1/1.8" high-definition digital color camera		
		8.3x motorized zoom lens; Optical magnification: 0.6x - 5.0x; Video magnification: 20x - 170x (21" monitor)		
Measuring Software		RationalVue CNC MS		
Operating System		Support WIN10/11-32/64 bit operating system		
Load Capacity (Kg)		30		
Working Environment Temperature		20°c ±2°c, Humidity range <2°c/hr, Humidity 30 - 80%, Vibration <0.002g, <15Hz		
Power Supply		AC220V/50Hz, 110V/60Hz		
Dimension (mm)		1600 * 1050 * 1650	1700 * 1150 * 1650	1800 * 1250 * 1650
Weight (Kg)		1380	1480	1580

NON-CONTACT CNC VMM



Model	SinoVision342	SinoVision452	SinoVision562
Item#code			
X/Y-Axis Travel (mm)	300 * 400	400 * 500	500 * 600
Z-Axis Travel (mm)	200		
X/Y/Z-Axis Linear Scale	Resolution: 0.1 μm		
Guidance Mode	High-precision SP-grade linear guide; double-track, double-slider guide		
Operation Mode	Joystick controller, mouse operation and automatic detection program		
Accuracy (μm)	XY Axis: ≤1.2 + L/200; Z Axis: ≤3.0 + L/200		
Repeatability	2 μm		
Contour Illumination	LED parallel contour illumination		
Surface Illumination	5 – ring, 8 – division LED surface illumination; continuously adjustable from 0 – 255 grades		
Camera	1/1.8" high-definition digital colour camera		
Lens	13.3x motorized confocal laser zoom lens		
Optical Magnification	0.6x – 8x		
Video Magnification	25x – 333x on a 21.5" monitor		
Measuring Software	iMeasuring		
Operating System	Supported Windows 10/11, 32-bit and 64-bit		
Working Environment	Temperature: 20°c ±2°c; Temperature variation: <2°c/hr; Humidity: 30–80%; Vibration: <0.002g, <15Hz		
Power Supply	AC 220V/50Hz or 110V/60Hz		
Dimensions (mm)	1165 * 880 * 1650	1433 * 990 * 1650	1538 * 1090 * 1650
Packing Size (mm)	1380 * 1170 * 1910	1690 * 1300 * 2000	1800 * 1400 * 2000
Net Weight (kg)	650	780	1380

HIGH PRECISION CANTILEVER AUTOMATIC VMM



Model	MVS-322	MVS-432	MVS-542
Item#code			
X/Y-Axis Travel (mm)	300 * 200	400 * 300	500 * 400
Z-Axis Travel (mm)	200		
X/Y/Z-Axis Linear Scale	European linear scale; resolution: 0.5 μm		
Guidance Mode	P-class precision linear guide; double-track, double-slider guide		
Operation Mode	Joystick controller, mouse operation and automatic detection program		
Accuracy (μm)	XY Axis: ≤2.0 + L/200; Z Axis: ≤5.0 + L/200		
Repeatability	2 μm		
Contour Illumination	LED parallel contour illumination		
Surface Illumination	0 – 255 stepless adjustable, 5-ring 8-division LED surface illumination		
Camera	1/2.9", 1.6-megapixel high-resolution digital camera		
Lens	8.3x manual electronic feedback lens		
Optical Magnification	0.6x – 5.0x		
Video Magnification	20x – 170x on a 21.5" monitor		
Measuring Software	iMeasuring		
Operating System	Supported Windows 10/11, 32-bit and 64-bit		
Power Supply	AC 220V/50Hz or 110V/60Hz		
Load Capacity (kg)	25 – 50		
Dimensions (mm)	1146 * 720 * 1664	1331 * 840 * 1664	1257 * 920 * 1640
Packing Size (mm)	1290 * 970 * 1920	1390 * 1060 * 1940	1450 * 1170 * 1900
Net Weight (kg)	380	450	600

HIGH PRECISION SEMI-AUTOMATIC VMM



Model	IMS-2010C	IMS-2515C	IMS-3020C	IMS-4030C	IMS-5040C
Item#code					
Marble Workstage (mm)	270 * 350	408 * 308	458 * 358	608 * 470	708 * 470
Glass Stage (mm)	142 * 242	306 * 308	356 * 248	456 * 348	556 * 348
X/Y-Axis Travel (mm)	200 * 100	250 * 150	300 * 200	400 * 300	500 * 400
Z-Axis Travel (mm)	High-precision linear guide; effective travel: 200				
X/Y/Z-Axis Resolution	0.5 μm				
Base and Column	High-precision granite				
Measurement Accuracy (μm)	XY Axis: ≤2.5 + L/200; Z Axis: ≤5 + L/200				
Repeatability	2 μm				
Surface Illumination (Software-adjustable)	Surface 4 rings and 8 zones infinitely adjustable LED cold Illumination				
	Contour LED parallel illumination				
	Optional coaxial light				
Digital Camera	1/2.9"/1.6 Mpixel high resolution digital camera				
Zoom Lens	6.5x high-resolution electronic-feedback zoom lens				
Optical Magnification	0.7x – 4.5x				
Video Magnification	20x – 129x				
Measuring Software	iMeasuring				
Operating System	Supported Windows 10/11, 32-bit and 64-bit				
Power Supply	AC 220 V/50 Hz or 110 V/60 Hz				
Dimensions (mm)	677 * 552 * 998	790 * 617 * 1664	838 * 667 * 1000	1002 * 817 * 1043	1002 * 852 * 1085
Packaging Dimensions (mm)	1290 * 970 * 1920	1390 * 1060 * 1940	1450 * 1170 * 1900	1130 * 1060 * 1940	1280 * 1170 * 1900
Gross/Net Weight (kg)	380/220	450/242	600/302	780/450	1380/650

MSQ80Z AUTOMATIC SAMPLE CUTTING MACHNES

ITEM#CODE:4250MI



Model: MSQ80Z	Specifications
Cutting Chamber Housing	Steel sheet
Max Cutting Diameter	80mm (Pipe)
Feed Depth Tracking By	LCD display
Platform Movement in Y Direction	275mm
Cutting Table Size	280mm * 310mm
Cutting Blade Specification	350mm * 2.5mm * 32mm
Clamping Table Specifications	The fixture table is divided into left and right parts, and the central cutting
Cutting Method	Manual/Automatic
Cutting Speed	Max. 1mm/s
Automatic Cutting Mode	Intermittent cutting (metal workpiece) and continuous cutting (non-metal workpiece)
Feed Distance	Set as needed
Reset Mode	Automatic Reset
Cooling System	Automatic (water-cooled 3 channels)
Water Tank Capacity	50L
Spindle Speed	2100r/min
Power Supply	440V
Overall Dimension	900mm * 795mm * 600mm
Net Weight	210kg
Overall Dimension of Water Tank	470mm * 370mm * 300mm
Net Weight of Water Tank	17kg
Gross Weight of Water Tank	27kg

MSQ2 SAMPLE CUTTING MACHINE

ITEM#CODE:750MI



Model: MSQ2	Specifications
Max Cutting Diameter	Ø35mm / Ø50mm (select any one range)
Spindle Speed	2800 r/min
Power Supply	1.1kw or 2.2kv, three phase 440v
Grinding Wheel	250mm * 2mm * 32mm / 300mm * 2mm * 32mm
Overall Dimensions	429 * 410 * 360mm / 469 * 455 * 396mm
Net Weight	45kg / 65kg

MXQ-2B HOT MOUNTING MACHINE

ITEM#CODE:850MI



Model: MXQ-2B	Specifications
Sample Pressing Diameter	Ø22, Ø30, Ø45mm Three specifications (standard configuration 1, choose when ordering)
Temperature Control Range	Room temperature - 300^{0}c
Timing Range	0 - 30 min
Overall Dimension	265 * 260 * 425mm
Net Weight	32kg

MSQ60 SAMPLE CUTTING MACHINE

ITEM#CODE:2050MI



Model: MSQ60	Specifications
Max Cutting Diameter	Ø60mm
Spindle Speed	2800 r/min
Power Supply	2.2kv, three phase 440v
Grinding Wheel	250 * 2 * 32mm
Overall Size	730 * 650 * 551mm
Water Tank Size	470 * 370 * 300mm
Net Weight	120kg
Weight of Water Tank	15kg

MZXQ-4S HOT MOUNTING MACHINE

ITEM#CODE:11120MI



Model: MZXQ-4S	Specifications
Sample Pressing Diameter	Ø22mm, Ø30mm, Ø45mm (choose any two)
Temperature Control Range	35 - 300^{0}c
Timing Range	About 6 min
Cooling Mode	Water cooling
Overall Dimension	650 * 700 * 500mm
Net Weight	100kg

MLMP-4S DOUBLE DISC AUTO POLISHING MACHINE

ITEM#CODE:9100MI



Model: MLMP-4S	Specifications
Working Disc Diameter	Ø250mm (customized Ø230mm, Ø300mm)
Working Disc Speed (rpm)	50-1000 r/min (Variable speed), 300/600/900 r/min (Three fixed speed)
Rotation Direction	Clockwise and counter clockwise
Preparation Sample Quantity	6 pcs
Force Loading Range	Individual 20 - 70N, central 150 - 300N
Sample Preparation Time	0 - 3000 s
Specimen Diameter	Standard Ø30mm (customized Ø22, Ø45mm)
Input Voltage	Single phase 220V ±10%, 50 - 60Hz
Overall Dimension	735mm * 570mm * 590mm
Net Weight	90kg

MMP MP-2CE DOUBLE DISC POLISHING MACHINE

ITEM#CODE:2300MI



Model: MMP MP-2CE	Specifications
Polishing Disc Diameter (mm)	Ø203 (customized Ø230, Ø250)
Rotation Speed (rpm)	50 - 1000 variable speed
Control Method	Double disc double control
Overall Dimension	566 * 712 * 270mm
Net Weight	50kg
Input Voltage	Single phase 220V±10%, 50 - 60Hz

MMP-160 SIGLE DISC POLISHING MACHINE

ITEM#CODE:1050MI



Model: MMP-160	Specifications
Polishing Disc Diameter (mm)	Ø203 (customized Ø230, Ø250)
Rotation Speed (rpm)	300/600
Control Method	Single control
Overall Dimension	500 * 910 * 475mm
Net Weight	35kg
Input Voltage	Single phase 220V±10%, 50 - 60Hz

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