

METALLOGRAPHIC SERIES



METALLOGRAPHIC SERIES



Metallographic Cutting Machine

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HST-SQ60

MANUAL METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
 - Cut-off wheel
 - Water inlet pipe
 - Water outlet pipe
 - Water tank (pump included)
 - Cutting disk
- Diamond, silicon carbide, etc
- User manual
 - Certificate

Optional Accessory

- Floor type
- net weight: 114KG
Gross weight: 168KG
Dimension: 590X 670X 1180 (mm)



Features

- HST-SQ60 metallographic sample cutting machine is suitable for cutting general metallographic and lithofacies sample materials. It uses the gravity of the spindle to cut the sample by pulling the spindle. It has high speed, strong cutting ability, long service life, and easy maintenance. This product has two types: desktop type and floor type.
- The machine is equipped with a circulating cooling system, and the surface of the cut sample is bright, smooth and free of burns. It is the ideal equipment for cutting samples.
- The cutting chamber adopts a closed structure, equipped with safety limit switches, and a transparent plexiglass window for observation during cutting.
- The double-sided fixture structure firmly fixes the specimen; the main components such as the fixture jaws and the work surface are made of stainless steel, with long service life and convenient maintenance.

Technical Specification

MODEL	HST-SQ60
Structure	Desktop; Floor (optional)
Shell material	Stainless steel
Cutting diameter	60mm
Cutting table size	230x 240mm
Cut-off wheel	250x 2x 32mm
Sample holder	Fixed
Cutting method	Manual/chop
Power	380V 50HZ 3KW
Cooling system	Automatic water cooling
Water tank	50L; Dimension: 440x 320x 250 (mm) net weight: 21KG; gross weight: 27KG
Weight	net weight: 75KG; gross weight: 138KG
Dimensions	710x 645x 470 (mm)

HST-SQ80

MANUAL METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Cutting disk
- User manual
- Certificate

Optional Accessory

- Floor type
- Net weight: 147KG
Gross weight: 168KG
Dimension: 590×670×1180 (mm)



Features

- HST-SQ80 metallographic sample cutting machine is suitable for cutting general metallographic and lithofacies sample materials. It uses the gravity of the spindle to cut the sample by pulling the spindle. It has high speed, strong cutting ability, long service life, and easy maintenance. This product has two types: desktop type and floor type.
- The machine is equipped with a circulating cooling system, and the surface of the cut sample is bright, smooth and free of burns. It is the ideal equipment for cutting samples.
- The cutting chamber adopts a closed structure, equipped with safety limit switches, and a transparent plexiglass window for observation during cutting.
- The double-sided fixture structure firmly fixes the specimen; the main components such as the fixture jaws and the work surface are made of stainless steel, with long service life and convenient maintenance.

Technical Specification

MODEL	HST-SQ80
Structure	Desktop; Floor (optional)
Shell material	Stainless steel
Cutting diameter	80mm
Cutting table size	230 ×240mm
Cut-off wheel	250×2×32mm
Sample holder	Fixed
Cutting method	Manual/chop
Power	380V 50HZ 2.2KW
Cooling system	Automatic water cooling
Water tank	50L; Dimension: 440×320×250 (mm) net weight: 21KG; gross weight: 27KG
Weight	117KG
Dimensions	650×715×545 (mm)

HST-Q80Z

AUTOMATIC METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Anti-rust lubricant
- User manual
- Certificate

Optional Accessory

- Floor type
net weight: 210KG
Gross weight: 250KG
Dimension: 900 × 790 × 600 (mm)
- Cutting disk
Diamond, silicon carbide, etc
- Special fixture



Features

- HST-Q80Z automatic metallographic sample cutting machine is composed of body, electric control box, cutting chamber, motor, cooling system, cutting wheel and other parts. This cutting machine can not only cut round workpieces with a diameter no more than 100mm (pipes), but also rectangular specimens with a height of 100mm and a depth of 200mm. The machine combines manual cutting and automatic cutting in one. The large cutting chamber is more convenient for cutting samples. It is ideal sample preparation equipment for universities, factories and labs. This product has two types: desktop type and floor type.
- The machine adopts screen display control system . The feed speed can be pre-adjusted before cutting, and the feed depth can be tracked in real time (LCD digital display). The y-axis movement stroke of the worktable is 200mm. Pattern programming is more suitable for batch cutting . Automatic knife reset function . The machine adopts closed cutting structure, equipped with safety limit switches, and transparent plexiglass windows for observation during cutting.
- The cooling system prevents the sample from getting damaged by overheating during the cutting process.
- The double- sided fixture structure firmly fixes the specimen; the main components such as the fixture jaws and the work surface are made of stainless steel, with long service life and convenient maintenance.

Technical Specification

Structure	Desktop; Floor (optional)
Shell material	Steel
Cutting diameter	80mm
Cutting table size	280×310mm
Cut-off wheel	350×2.5×32mm
Sample holder	The fixture table is divided into left and right, the cutting edge in the middle
Cutting method	Manual/automatic
Feed method	Manual/automatic
Cutting speed	0.1-2.5mm/s, automatic cutting mode can select intermittent cutting (metal) and continuous cutting (non-metal)
Cutting distance	0-200mm
Reset method	Automatic
Cooling system	Automatic water cooling
Spindle speed	2100r/min
Power	3-phase 380V 50HZ 3KW
Water tank	50L; Dimension: 440×320×250 (mm) net weight: 21KG; gross weight: 27KG
Weight	net weight: 210KG; gross weight: 250KG
Dimension	900×790×600 (mm)

HST-SQ100

MANUAL METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Cutting disk
- User manual
- Certificate

Optional Accessory

- Floor type
- Net weight: 147KG
Gross weight: 168KG
Dimension: 590 * 670 * 1180 (mm)



Features

- HST-SQ100 metallographic sample cutting machine is suitable for cutting general metallographic and lithofacies sample materials. It uses the gravity of the spindle to cut the sample by pulling the spindle. It has high speed, strong cutting ability, long service life, and easy maintenance. This product has two types: desktop type and floor type.
- The machine is equipped with a circulating cooling system, and the surface of the cut sample is bright, smooth and free of burns. It is the ideal equipment for cutting samples.
- The cutting chamber adopts a closed structure, equipped with safety limit switches, and a transparent plexiglass window for observation during cutting.
- The double-sided fixture structure firmly fixes the specimen; the main components such as the fixture jaws and the work surface are made of stainless steel, with long service life and convenient maintenance.

Technical Specification

MODEL	HST-SQ100
Structure	Desktop; Floor (optional)
Shell material	Stainless steel
Cutting diameter	100mm
Cutting table size	230 ×240mm
Cut-off wheel	350×2.5×32mm
Sample holder	Fixed
Cutting method	Manual/chop
Power	380V 50HZ 3KW
Cooling system	Automatic water cooling
Water tank	50L; Dimension: 440×320×250 (mm) net weight: 21KG; gross weight: 27KG
Weight	138KG
Dimensions	680×800×820 (mm)

HST-Q100B

AUTOMATIC METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Anti-rust lubricant
- User manual

Optional Accessory

- Floor type
net weight: 246KG
Gross weight: 288KG
Dimension: 880*800*1300 (mm)
- Cutting disk
Diamond, silicon carbide, etc



Features

- HST-Q100B automatic metallographic sample cutting machine is composed of body, electric control box, cutting chamber, motor, cooling system, cutting wheel and other parts. This cutting machine can not only cut round workpieces with a diameter no more than 100mm (pipes), but also rectangular specimens with a height of 100mm and a depth of 200mm. The machine combines manual cutting and automatic cutting in one. The large cutting chamber is more convenient for cutting samples. It is ideal sample preparation equipment for universities, factories and labs. This product has two types: desktop type and floor type.
- The machine adopts screen display control system . The feed speed can be pre-adjusted before cutting, and the feed depth can be tracked in real time (LCD digital display). The y-axis movement stroke of the worktable is 200mm. Pattern programming is more suitable for batch cutting . Automatic knife reset function . The machine adopts closed cutting structure, equipped with safety limit switches, and transparent plexiglass windows for observation during cutting.
- The cooling system prevents the sample from getting damaged by overheating during the cutting process.
- The double-sided fixture structure firmly fixes the specimen; the main components such as the fixture jaws and the work surface are made of stainless steel, with long service life and convenient maintenance.

Technical Specification

Structure	Desktop; Floor (optional)
Shell material	Steel
Cutting diameter	100mm
Cutting table size	280×310mm
Cut-off wheel	350×.5×32mm
Sample holder	The fixture table is divided into left and right, the cutting edge in the middle
Cutting method	Manual/automatic
Feed method	Manual/automatic
Cutting speed	0.1-2.5mm/s, automatic cutting mode can select intermittent cutting (metal) and continuous cutting (non-metal)
Cutting distance	0-200mm
Reset method	Automatic
Cooling system	Automatic water cooling
Spindle speed	2100r/min
Power	3-phase 380V 50HZ 3KW
Water tank	50L; Dimension: 440×320×250 (mm) net weight: 21KG; gross weight: 27KG
Weight	net weight: 210KG; gross weight: 250KG
Dimension	900×790×600 (mm)

HST-LDQ110

MANUAL METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Cutting disk
- Lever
- User manual
- Certificate



Application

- HST-LDQ110 Manual Metallographic Specimen Cutting Machine is a kind of floor type large specimen cutting machine which is designed as per EUROPE health and safety standards and produced importing advanced processing technology.
- The machine consists of cutting system, illuminating system, cooling system & cleaning system and the whole system ensures easy operation for large size work pieces, non destructive cutting of structure and the safety of operator.
- This machine is especially suitable for using in colleges, automobile industry, steel processing industry, laboratories & material researching institutes.

Technical Specification

MODEL	HST-LDQ110
Structure	Floor
Shell material	Steel
Cutting diameter	110mm
Cut-off wheel	350×2.5 ×32mm
Cutting method	Manual
Rotating speed	2800r/min
Power	380V 50HZ 4KW
Weight	700KG
Dimensions	832*1300*1687 (mm)



HST-LDQ110Z

AUTOMATIC METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine 1PC
- Cut-off wheel 1PCS
- Water inlet pipe 1PC
- Water outlet pipe 1PC
- Water tank (pump included) 1PC
- Lever 3PCS
- Cutting disk 1PCS
- User manual 1PC
- Certificate 1PC



Technical Specification

MODEL	HST-LDQ110Z
Structure	Floor
Shell material	Steel
Cutting diameter	110mm
Cut-off wheel	350×2.5×32mm
Y-axis stroke	240mm
Y-axis adjustable manual speed	0.01-5mm/s
Z-axis adjustable manual speed	0.01-5mm/s
Cutting method	Manual/ Automatic
Cooling system	Water cooling
Rotating speed	2800r/min
Power	380V 50HZ 4KW
Weight	800KG
Dimensions	1060×1450×1650 (mm)

Application:

It is designed and manufactured according to an introduced and advanced technology of cutting actions, the health and safety of European Economic Community standard.

This machine includes cutting system, lighting system, cooling system and cleaning system.

Super cooling system can avoid specimen from burning while cutting. Imported gate style safety switch and explosion proof hood afford the safe guarantee for operators.

Features:

- Three cutting type: Abrasive chop cutting, to-and-fro cutting, layer-to-layer cutting.
- Y-axis controllable handle.
- Large LCD interface to display various cutting data.
- Wide T-slot Bed, special clamping for large samples.
- Coolant tank with 80L capacity.
- Water-jet type cleaning system.
- Isolated lighting system.



HST-LDQ160Z

AUTOMATIC METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- | | | | |
|-------------------------------------|------|-------------------|-----|
| ●Cutting machine host | 1pc | ● Big throat hoop | 1pc |
| ●Cut-off wheel | 1pc | ● 46mm Wrench | 1pc |
| ●Water inlet pipe | 1pc | ● 62mm Wrench | 1pc |
| ●Water outlet pipe | 1pc | ● 17-19mm Wrench | 1pc |
| ●150L Water tank
(pump included) | 1set | ●User manual | 1pc |
| ●Anti-rust lubricant | 1pc | ●Certificate | 1pc |



Application

LDQ-160Z adopts PLC control high reliability, and strong controlling ability. The machine has touch-screen in the human-computer interaction aspects and has high precision stepper motor. The machine is suitable for cutting various metal, non-metallic materials, in order to observe the material metallographic, core organization. It is one of the important equipment in the labs.

Features

- PLC controlled automatic metallographic cutting machine, suitable for large samples
- Cutting chamber fully accessible from all directions
- XYZ three controlled axes, sample laser alignment system and cutting speed frequency conversion control
- Two cutting principles: swing and continuous cutting
- Cutting table provided T slots to assemble different vices
- Cutting chamber equipped with internal LED illumination and ventilation system in order to increase visibility during the process.
- Supplied with a cooling system complete with rinse chael and magnetic separator
- This series is suitable for quality control, automotive, aeronautical industry, scientific research institutes and universities.

Technical Specification

MODEL	HST-LDQ160Z
Structure	Floor
Shell material	Steel
Cutting diameter	160mm
Cutting table size	550x 280mm
Cut-off wheel	450x3x32mm
Cooling water tank volume	150L
Cutting method	automatic/manual
Cutting mode	Chop-cutting, push cutting, Sweep cutting
Feed method	Automatic Feedrate, Rapid Pulse
Cutting speed	0.01-1mm/s
Cutting distance	0-200mm
Reset method	Automatic
Cooling system	Automatic water cooling
Spindle speed	500-2300r/min
Max movement	Z 245mm Y260mm X 180mm
Power	3-phase 380V 50HZ 7.5KW
Dimension	1580x1450x1900 mm



HST-LDQ185Z

AUTOMATIC METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Water inlet pipe 1pc
- Water outlet pipe 1pc
- Water tank 1set
(pump included)
- Spanner 2pcs
- User manual 1pc
- Certificate 1pc



Application

LDQ-185Z automatic metallographic sample cutting machine is a large automatic cutting machine, using SIEMENS PLC with a very high reliability, strong control ability; in human-computer interaction using a touch screen; the control adopts high precision stepper motor; it is suitable for cutting various metal specimens. Metal materials, in order to observe the metallographic, petrographic tissue. The machine cutting process automation with low noise, simple operation, safe and reliable, is one of the important equipment in modern laboratory production of solid material samples.

Features

- With ABB spindle motor (except QGZ-100), Schneider electric, and Mitsubishi software, these core components guarantee the quality.
- X, Y, Z axis can be automatically and accurately controlled or manually electronic handwheel control.
- With two LED lamps and automatic exhaust system, it can increase the brightness and clarity of the cutting chamber.
- It has large cutting space and can feed cutting in multi-direction.
- The cutting door is completely closed when working, which is safe and reliable.

Technical Specification

MODEL	HST-LDQ185Z
Structure	Desktop; Floor (optional)
Shell material	Steel
Cutting diameter	Φ185mm
Cutting table size	680mm×1030mm
Cut-off wheel	508×4×38.1mm
Cooling water tank volume	150L
Cutting method	automatic/manual
Cutting mode	Chop-cutting, push cutting
Feed method	Automatic Feed rate
Cutting speed	0.01-1mm/s(adjust 0.01)
Reset method	Automatic
Cooling system	circulating cooling water
Spindle speed	0-1900r/min
Max movement	Z 260mm Y 350mm X260mm
Power	3-phase 380V 50HZ 11KW
Dimension	2005x1475x2200(mm)



HST-QG4A

MANUAL METALLOGRAPHIC SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Water tank (pump included)
- Cutting disk
- User manual



Features

HST-QG4A metallographic sample cutting machine is suitable for cutting general irregular metallurgical sample materials, such as cylinder, polygon material s ect., in order to observe the material micro structure , petrographic organization. This machine adopted by double cover fully enclosed structure. It guarantees to cutting samples under absolute security condition. he equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallographic or lithofacies structure deforming of specimen because of heating influence, while increasing the cutting section and improving the utilization of cutting grinding wheel.

It is the necessary specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

Technical Specification

MODEL	HST-QG4A
Structure	Floor
Shell material	Stainless steel
Cutting diameter	65mm
Cutting table size	210X180mm
Cut-off wheel	250X2X32mm
Sample holder	Fixed
Cutting method	Manual
Power	380V 50HZ 2.2KW
Cooling system	Water cooling
Water tank	50L; Dimension: 440X320X250 (mm) net weight: 21KG; gross weight: 27KG
Weight	150KG;
Dimensions	720X600X1370 (mm)



HST-Q2/Q2A

MANUAL METALLOGRAPHI SAMPLE CUTTING MACHINE

Standard Delivery

- Cutting machine
- Cut-off wheel
- Water inlet pipe
- Water outlet pipe
- Cutting disk
- User manual
- Certificate



Product description:

Manual Metallographic Specimen Cutting Machine is suitable for cutting and general metallography and material of species. Metallurgical sample preparation, process the cutting of the sample, the material of the sample, and the principle of high-security operations speed rotations sheets enhance the grid cutting to the cutting sample.

Features and Application:

Avoiding the cutting the specimen overheating and burning material organization, the the machine is equipped with a cooling system system used to take away the the heat of the company and to improve the management of the operation. and other advantages, cutting, range, transmission, power, and similar products, sample and the best choice for cutting and equipping.

Technical Specification

MODEL	HST-Q2	HST-Q2A
Structure	Desktop	
Cutting diameter	35mm	50mm
Cut-off wheel	250×2 ×32mm	300×2 ×32mm
Cutting method	Manual	
Rotating speed	2800r/min	
Power	380V 50HZ 2.2KW	380V 50HZ 1.2KW
Weight	45KG	67KG
Dimensions	395×445×355mm	460×515×395 mm

HST-DTQ5

LOW SPEED PRECISION CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 1pc
- Power Cable 1pc
- User manual 1pc
- Certificate 1pc



Application

- DTQ5 low-speed precision cutter is applicable to accurate cutting of hard materials, especially to high-value fragile artificial crystal.
- There are four kinds of fixtures, so the processed workpiece can be cut at the optimal angle.
- The machine with a limit switch, can work without a watchman.
- The main shaft features high running speed and the horizontal feeding position of the workpiece being processed can be adjusted precisely.

Technical Specification

MODEL	HST-DTQ5
Max movement	25mm
Max. Cutting Diameter	30mm
Xaxis Travel	12mm, Step 0.1mm
Positioning accuracy	0.01mm
Variable spindle speed	0-600r/min
Cut-off wheel	Φ100mm x0.3mm x12.7mm
Control and Display	Film key operation, LCD display
Power	3-phase 220V 50HZ 50W
Dimension	415x340x270(mm)
Net weight	18.5kg



HST-ZDQ15

MEDIUM-LOW SPEED PRECISION CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 1pc
- Power Cable 1pc
- User manual 1pc
- Certificate 1pc



Description

- HST-ZDQ15 Medium low speed precision cutting machine closed-loop control, precise speed regulation
- Fully enclosed structure, safe to use
- Equipped with a variety of fixtures, the card sample is convenient.
- Wide range of saw blades
- Suitable for precision cutting of various non-metallic materials, circuit boards and semiconductors, superhard materials, etc.
- Can cut irregularly shaped workpieces
- Precision cutting for corporate sister research

Technical Specification

MODEL	HST-ZDQ15
Max movement	25mm
Max. Cutting Diameter	45mm
Positioning accuracy	0.01mm
Speed	200-1500rpm
Cut-off wheel	Φ150mm
Control and Display	Touch screen display
Power	220V 50HZ 125W
Dimension	350x305x205mm
Net weight	30kg



HST-PCT50

PRECISION CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 1pc
- Power Cable 1pc
- User manual 1pc
- Certificate 1pc



Description

- The machine is composed of fuselage, control panel, protective cover of cutting room, motor, transverse feed mechanism, loading lever mechanism, cooling system, diamond cutting piece and other components.
- It can not only cut circular parts with diameter less than 50 mm, but also rectangular flat parts with height of 20 mm, width of 150 mm and length of 250 mm

Technical Specification

MODEL	HST-PCT50
Accuracy X movement	0.01mm
Max. Cutting Diameter	φ 50mm
Xaxis Travel	40mm
Water tank	1L
Speed	150 ~ 2000rpm
Cut-off wheel	External dia. 127-177mm, internal dia.12.7 or 25.4mm
Cutting type	Chop, With automatic shut down protection function
Power	3-phase 220V 50HZ 120W
Dimension	570x620x450(mm)
Net weight	45kg



HST-PBT200

METALLOGRAPHIC PLATE
PRECISION CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 3pcs
- Power Cable 1pc
- User manual 1pc



Application

HST- PBT200 metallographic precision flat cutting machine is suitable for cutting samples of semiconductors, crystals, circuit boards, fasteners, metal materials, rocks and ceramics. The machine body is smooth, spacious and generous, providing a good working platform. And adopts high torque and high power servo motor and stepless variable speed control system, which has high efficiency and stability. Good visibility and cutting ability minimize the difficulty of operation and are easy to use. Moreover, the machine is equipped with a variety of different fixtures, which can cut irregularly shaped workpieces. It is a high-quality precision cutting machine suitable for scientific research institutions and enterprises.

Feature

- The equipment has a large transparent protective cutting chamber, which can visually observe the cutting process.
- Electronic touch screen, adjust and control high-precision spindle, rotation speed and spindle cutting movement speed and cutting distance
- 5 inch all in one touch screen control machine

Technical Specification

MODEL	HST-PBT200
Y axle range	200mm
Max. cutting thickness	40mm
Max. clamping width of table	200mm
Worktable size	500×585mm
Cutting method	Straight line, pulse
Cut-off wheel	Φ200×0.9×32mm
Spindle rotation speed	500-3000rpm
Automatic cutting speed	0.01-3mm/s
Manual cutting speed	0.01-15mm/s
Impact cutting speed	0.1-2mm/s
Power	1-phase 220V 50HZ 600W
Dimension	660×700×400mm
Net weight	45kg

HST-GTQ5000B

HIGH SPEED PRECISION
CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 1pc
- Power Cable 1pc
- User manual 1pc
- Certificate 1pc



Application

HST-GTQ5000B cutting machine is suitable for metal, electronic components, crystal, hard alloy, rock, ore, concrete, organic material, biological material (tooth, bone) and other materials. The equipment set high precision location and have large speed range.

Features

- This machine is driven by powerful servo motor.
- High positioning accuracy up to 2um.
- Built-in re-circulating cooling system.
- Strong cutting power.
- Menu operation, LCD display of various data with backlighting.
- Ultra-large and closed cutting chamber with imported gate style safety switch.

Technical Specification

MODEL	HST-GTQ5000B
Max. cutting Dia.	φ60mm
Max. clamping length of table	150mm
Max. clamping width of table	200mm
Cutting wheel specification	φ200x0.9xφ32mm
Feed velocity	0.01-5mm/s 0-30mm/s(manual)
Impact cutting distance	0.1-2mm
Cutting stroke(Y axle)	200mm
Parameter Storage	10 sets
Rotating speed	500-5000r/min
Voltage	AC220V,50Hz 1000W
Dimension	750x860 x 430(mm)
Weight	126kg



HST-GTQ5000A

HIGH SPEED PRECISION CUTTING MACHINE

Standard Delivery

- Cutting machine host 1pc
- Cut-off wheel 1pc
- Plexiglass Shield 1pc
- Inner Hexagon Spanner 1pc
- Power Cable 1pc
- User manual 1pc
- Certificate 1pc



Application

GTQ-5000A cutting machine is suitable for metal, electronic components, crystal, hard alloy, rock, ore, concrete, organic material, biological material (tooth, bone) and other materials. The equipment set high precision location and have large speed range.

Features

- The equipment sets high precision location and has large speed range.
- The cutting ability is strong and meanwhile the machine has strong cooling system.
- It can preset feeding speed and menu control with LCD. It is easy to control.
- It is easy to control. Automatic cutting can reduce operator's fatigue to ensure the consistency of the specimen.
- It has large and bright cutting chamber which is equipped with safety switch.
- The upper and lower distance of cutting disc can be adjusted, this is favourable for the cutting disc after a certain period of using.

Technical Specification

MODEL	HST-GTQ5000A
Feed speed	0-1.50mm/s(adjust 0.01mm)
Spindle speed	1950r/min
Max movement	Z 50mmY200mmX50mm
Grinding Wheel Speed	300 ~ 5000 rpm
Cut-off wheel	Φ250×1.5×32mm
Power	3-phase 380V 50HZ 1.8KW
Dimension	1000x1035x1200(mm)
Net weight	210kg



B



Metallographic Mounting Machine

B1	MAUNALMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-XQ2B	P21
B2	AUTOMATICMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-ZXQ2T	P22
B3	PNEUMATICMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-ZXQ2TP	P23
B4	AUTOMATICMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-ZXQ2TS	P24
B5	AUTOMATICMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-ZXQ3T	P25
B6	AUTOMATICMETALLOGRAPHIC SAMPLEMOUNTINGPRESS HST-ZXQ5T	P26

HST-XQ2B

MANUAL METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1PC
- Plastic hopper 1PC
- Fuse 1PC
- User Manual 1PC
- Quality Certificate 1PC
- Thermocouple 1PC

Optional Accessory

- Mounting powder



Application

HST-XQ2B Manual Metallographic Specimen Mounting Press suitable for the thermo-hardening plastic pressing of the small metallographic specimen which is not idiomorphic or hard to take.

After forming, it will be very easy to process the grinding, polishing of the specimen and it is also convenient to process measuring of metallographic structure under metallographic microscope.

Overview

- Mainly composed of cylinder liner, heating jacket, upper cover, upper mold, lower mold, screw rod, bevel gear, hand wheel, spring, limit switch, temperature controller, timer and other parts.
- It is used for hand-cranking the hand wheel, and its force passes the bevel gear, screw rod and other parts to make the lower mold move upward;
- The additive material being squeezed and filled, and the subsequent force squeezes the spring;
- When the spring is squeezed to the limit switch position, the pressure holding indicator lights up;

Technical Specification

MODEL	HST-XQ2B
Sample diameter	Φ22mm/ Φ30mm/ Φ45mm (Choose One)
Heating Range	Max 190℃
Holding time Range	0-30min
Machine Power	≅ 800w
Input voltage	Single phase AC 220V,50Hz
Dimension	280x255x480mm
Net weight	32kg



HST-ZXQ2T

AUTOMATIC METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1 set
- Plastic hopper 1 pc
- Fuse 1 pc
- Sensor cable 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User Manual 1 copy
- Quality Certificate 1 copy

Optional Accessory

- Mounting powder



Application

HST-ZXQ2T Mounting is a very important process of metallographic sample preparation, especially for some difficult holding tiny samples, irregularly shaped samples, and what needs for protecting edge or automatic grinding and polishing, mounting is an essential procedure before sample preparation.

- Adopts automatic mechanical pressure.
- The mounting process is controlled by the program, which realizes the one-key operation of heating, loading, holding, cooling and unloading process.
- The sample mounting is automatically completed with sound and light alarm function, without the need of the operator on duty.
- The machine adopts gear motor with stable pressure, and the water cooling system makes sample preparation fast. With stable and reliable performance, it is the ideal equipment for sample mounting.

Technical Specification

MODEL	HST-ZXQ2T
Sample diameter	Ø22×15mm; Ø30×15mm Ø45×15mm (Choose one)
Heating temperature	35-200℃
Heating time	0~99 min 99s
Cooling time	0~99 min 99s
Cooling method	Water
Heater	220V, 700W
Machine power	950W
Power supply	Single phase AC 220V, 50Hz
Dimension	455× 475× 430 (mm)
Net weight	50kg
Gross weight	62kg



HST-ZXQ2TP

PNEUMATIC METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1 set
- Plastic hopper 1 pc
- Fuse 1 pc
- Sensor cable 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User Manual 1 copy
- Quality Certificate 1 copy

Optional Accessory

- Mounting powder



Application

HST-ZXQ2TP The automatic metallographic sample inlay machine is a multi-functional water-cooled mounting machine for mounting various samples. Inlay small and irregular workpieces. After mounting, it is convenient to perform grinding and polishing operations on the workpiece and it is also beneficial for users to observe the structure of the material under the metallographic microscope more conveniently.

This machine adopts pneumatic control. The biggest feature is that the cylinder body adopts special process design, and the inlay process is completed in 5 minutes.

Technical Specification

MODEL	HST-ZXQ2TP
Sample diameter	Ø30 mm
Heating temperature	0-200℃
Heating time	0~99 min 99s
Cooling time	0~99 min 99s
Cooling method	Water
Machine power	1000W
Air Pressure	0.4-0.7Mpa
Power supply	Single phase AC 220V, 50Hz
Dimension	435× 520× 605 (mm)
Weight	77kg



HST-ZXQ2TS

AUTOMATIC METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1 set
- Plastic hopper 1 pc
- Fuse 1 pc
- Sensor cable 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User Manual 1 copy
- Quality Certificate 1 copy

Optional Accessory

- Mounting powder



Application

HST-ZXQ2TS this Mounting Machine allow those specimens of unsuitable shape or size to be inlaid to meet subsequent sample preparation steps to achieve the desired inspection plane. It also protects the edges or prevents surface defects caused by the preparation process.

In the modern metallographic laboratory, the Widely used semi-automatic or automatic grinding and polishing machine has specifications for the sample size. In order to meet this requirement, the sample must be inlaid, so the inlay machine has become a must in the metallographic laboratory. One of the equipment. Note : only for thermosetting materials (such as electric jade powder, bakelite powder, etc.)

Technical Specification

MODEL	HST-ZXQ2TS
Sample diameter	Ø22 / Ø30 / Ø40 / Ø50 mm (Choose one)
Heating temperature	35-200°C
Heating time	0~99 min 99s
Cooling time	0~99 min 99s
Cooling method	Water
Machine power	1650W
Power supply	Single phase AC 220V, 50Hz
Dimension	395× 460× 560 (mm)
Net weight	50kg
Gross weight	62kg

HST-ZXQ3T

AUTOMATIC METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1 set
- Plastic hopper 1 pc
- Fuse 1 pc
- Sensor cable 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User Manual 1 copy
- Quality Certificate 1 copy

Optional Accessory

- Mounting powder



Application

HST-ZXQ3T this Mounting Machine allow those specimens of unsuitable shape or size to be inlaid to meet subsequent sample preparation steps to achieve the desired inspection plane. It also protects the edges or prevents surface defects caused by the preparation process.

In the modern metallographic laboratory, the Widely used semi-automatic or automatic grinding and polishing machine has specifications for the sample size. In order to meet this requirement, the sample must be inlaid, so the inlay machine has become a must in the metallographic laboratory. One of the equipment. Note : only for thermosetting materials (such as electric jade powder, bakelite powder, etc.)

Technical Specification

MODEL	HST-ZXQ3T
Sample diameter	$\phi 25 / \phi 30 / \phi 40 / 50\text{mm}$ (choose two)
Heating temperature	35-200°C
Heating time	0~99 min 99s
Cooling time	0~99 min 99s
Cooling method	Water
Machine power	1650W×2
Power supply	Single phase AC 220V, 50Hz
Dimension	650× 500× 560 (mm)
Weight	94kg



HST-ZXQ5T

AUTOMATIC METALLOGRAPHIC SAMPLE MOUNTING PRESS

Standard Delivery

- Mounting press 1 set
- Plastic hopper 1 pc
- Fuse 1 pc
- Sensor cable 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User Manual 1 copy
- Quality Certificate 1 copy

Optional Accessory

- Mounting powder



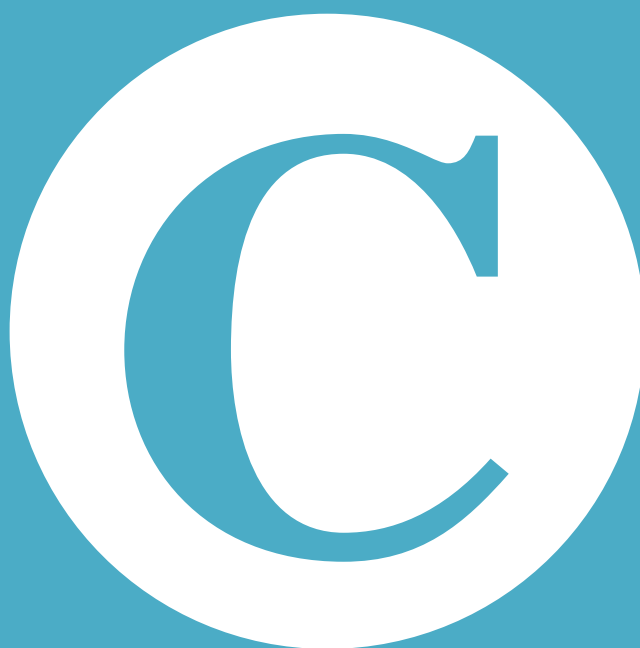
Application

- HST-ZXQ 5T Automatic Specimen Mounting Press is a kind of full automatic mounting press, equipped with in-out water cooling system.
- It is suitable for the heat mounting (thermo-hardening & thermoplastic) for all kinds of materials.
- After the parameters such as heating temperature, the preserving time and applied force etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, the machine will finish the job automatically.
- According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimens at the same time, the capacity is doubled.

Technical Specification

MODEL	HST-ZXQ5T
Sample diameter	Φ25mm, Φ30mm, Φ40mm, Φ50mm (Choose two)
Heating temperature	35-200°C
Hold Time	1-99 min
Automatic cooling time	0-60 min
Cooling method	Water
Power	1650W
Power supply	Single phase AC 220V, 50Hz
Dimension	455× 475× 430 (mm)
Net weight	50kg
Gross weight	62kg





Grinding and Polishing Machine

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HST-MoPao3T

AUTOMATIC METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery Optional Accessory

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Main unit ● Polishing cloth ● Sandpaper ● Grinding disk ● Polishing disk ● Water inlet pipe ● Water outlet pipe ● User manual ● Certificate | <ul style="list-style-type: none"> ● Magnetic disk
φ300mm, φ203 ● Sandpaper
320#, 600#, 800#, 1200# ● Polishing cloth:
Silk velvet, canvas, woolen cloth ● Diamond polishing agent
W0.5um, W1um, W2.5um |
|---|---|



Application

HST-MoPao3T automatic grinding /polishing machine adopt international advanced manufacturing technology in accordance with international standards.

This series adopts the advanced microprocessor control system, which makes grinding disc and grinding head speed stepless adjustable, sample preparation pressure, time setting. Operation can only change grinding disc and sandpaper fabric, showing more wide applicability.

The machine has the following features such as optional grinding disc rotation, quick-change grinding disc, vertical preparation fixture, pneumatic single point loading.

This machine has cooling device and abrasive scouring nozzle, equipped with beautiful and practical ABS shell, stainless steel standard parts, and it is never rust.

This series is applicable to rough grinding, fine grinding, coarse polishing and polishing process as well as it is an ideal equipment for enterprises, scientific research institutions and colleges laboratory.grinding and polishing machine is a double-disc .

Technical Specification

MODEL	HST-MoPao3T
Load Type	Pneumatic single point
Structure	Single disk and single control
Grinding and polishing disk diameter	φ250mm φ203 or φ300mm (optional)
Disk speed	50~1000rpm(stepless) 400, 600,800,1000rpm (fixed speed)
Rotational direction	Clockwise or anticlockwise
Power head speed	5-150 r/min
Sample preparation time	0-3000S
Preparation sample quantity	4 PCS (6 PCS optional)
Sample diameter	φ30mm(φ22-φ45 optional)
Lighting	LED
Air pressure	0-0.7MPa
Motor power	900W
Power supply	Single-phase 220V,50Hz
Dimensions	455×785×700 mm
Weight	55kg

HST-MoPao3ST

AUTOMATIC METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery Optional Accessory

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Main unit ● Polishing cloth ● Sandpaper ● Grinding disk ● Polishing disk ● Water inlet pipe ● Water outlet pipe ● User manual ● Certificate | <ul style="list-style-type: none"> ● Magnetic disk
φ300mm, φ203 ● Sandpaper
320#, 600#, 800#, 1200# ● Polishing cloth:
Silk velvet, canvas, woolen cloth ● Diamond polishing agent
W0.5um, W1um, W2.5um |
|---|---|



Technical Specification

Application

HST-MoPao3ST automatic grinding and polishing machine is a double-disc desktop machine. It is a new generation of high-precision grinding and polishing equipment with automatic sample preparation process, which is manufactured according to international standards and adopts international advanced technology.

It has the functions of optional rotation direction of grinding and polishing disk, quick replacement of grinding and polishing disk, multi-sample holder and pneumatic single-point loading. This machine adopts an advanced microprocessor control system, which makes the rotation speed of the grinding and polishing disc and the grinding and polishing head infinitely adjustable, and the setting of sample preparation pressure and time is intuitive and convenient. Only need to replace the grinding and polishing disc or sandpaper and fabric to complete the grinding and polishing process. So that the machine shows a wider range of applications. It has the characteristics of stable rotation, safety and reliability, low noise and the use of cast aluminum base to increase the rigidity of grinding and polishing.

MODEL	HST-MoPao3ST
Load Type	Pneumatic single point
Structure	Dual disk and dual control
Grinding and polishing disk diameter	φ250mm φ203 or φ300mm (optional)
Disk speed	50~1000rpm(stepless) 400, 600,800,1000rpm (fixed speed)
Rotational direction	Clockwise or anticlockwise
Power head speed	5-150 r/min
Sample preparation time	0-3000S
Preparation sample quantity	6 PCS
Sample diameter	φ30mm(φ22-φ45 optional)
Lighting	LED
Air pressure	0-0.7MPa
Motor power	900W
Power supply	Single-phase 220V,50Hz
Dimensions	755×815×690 mm
Weight	89kg



HST-MoPao4T

AUTOMATIC METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery Optional Accessory

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Main unit ● Polishing cloth ● Sandpaper ● Grinding disk ● Polishing disk ● Water inlet pipe ● Water outlet pipe ● User manual ● Certificate | <ul style="list-style-type: none"> ● Magnetic disk
φ300mm, φ203 ● Sandpaper
320#, 600#, 800#, 1200# ● Polishing cloth:
Silk velvet, canvas, woolen cloth ● Diamond polishing agent
W0.5um, W1um, W2.5um |
|---|---|



Application

HST-MoPao4T automatic grinding and polishing machine is a double-disc desktop machine. It is a new generation of high-precision grinding and polishing equipment with automatic sample preparation process, which is manufactured according to international standards and adopts international advanced technology.

It has the functions of optional rotation direction of grinding and polishing disk, quick replacement of grinding and polishing disk, multi-sample holder and pneumatic single-point loading. This machine adopts an advanced microprocessor control system, which makes the rotation speed of the grinding and polishing disc and the grinding and polishing head infinitely adjustable, and the setting of sample preparation pressure and time is intuitive and convenient. Only need to replace the grinding and polishing disc or sandpaper and fabric to complete the grinding and polishing process. So that the machine shows a wider range of applications. It has the characteristics of stable rotation, safety and reliability, low noise and the use of cast aluminum base to increase the rigidity of grinding and polishing.

Technical Specification

MODEL	HST-MoPao4T
Load Type	Pneumatic single point
Structure	Dual disk and dual control
Grinding and polishing disk diameter	φ250mm φ203 or φ300mm (optional)
Disk speed	50~1000rpm(stepless) 400, 600,800,1000rpm (fixed speed)
Rotational direction	Clockwise or anticlockwise
Power head speed	5-150 r/min
Sample preparation time	0-3000S
Preparation sample quantity	6 PCS
Sample diameter	φ30mm(φ22-φ45 optional)
Lighting	LED
Air pressure	0-0.7MPa
Motor power	900W
Power supply	Single-phase 220V,50Hz
Dimensions	755×815×690 mm
Weight	89kg



HST-MoPao4ST

AUTOMATIC METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery Optional Accessory

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Main unit ● Polishing cloth ● Sandpaper ● Grinding disk ● Polishing disk ● Water inlet pipe ● Water outlet pipe ● User manual ● Certificate | <ul style="list-style-type: none"> ● Magnetic disk
φ300mm, φ203 ● Sandpaper
320#, 600#, 800#, 1200# ● Polishing cloth:
Silk velvet, canvas, woolen cloth ● Diamond polishing agent
W0.5um, W1um, W2.5um |
|---|---|



Application

HST-MoPao4ST automatic grinding and polishing machine is a double-disc desktop machine. It is a new generation of high-precision grinding and polishing equipment with automatic sample preparation process, which is manufactured according to international standards and adopts international advanced technology.

It has the functions of optional rotation direction of grinding and polishing disk, quick replacement of grinding and polishing disk, multi-sample holder and pneumatic single-point loading. This machine adopts an advanced microprocessor control system, which makes the rotation speed of the grinding and polishing disc and the grinding and polishing head infinitely adjustable, and the setting of sample preparation pressure and time is intuitive and convenient. Only need to replace the grinding and polishing disc or sandpaper and fabric to complete the grinding and polishing process. So that the machine shows a wider range of applications. It has the characteristics of stable rotation, safety and reliability, low noise and the use of cast aluminum base to increase the rigidity of grinding and polishing.

Technical Specification

MODEL	HST-MoPao4ST
Load Type	Pneumatic single point and central force loading
Structure	Dual disk and dual control
Grinding and polishing disk diameter	φ250mm φ203 or φ300mm (optional)
Disk speed	50~1000rpm(stepless) 400, 600,800,1000rpm (fixed speed)
Rotational direction	Clockwise or anticlockwise
Power head speed	5-150 r/min
Sample preparation time	0-3000S
Preparation sample quantity	6 PCS
Sample diameter	φ30mm(φ22-φ45 optional)
Lighting	LED
Air pressure	0-0.7MPa
Motor power	900W
Power supply	Single-phase 220V,50Hz
Dimensions	755×815×690 mm
Weight	120kg



HST-MP1B

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit 1 set
- Polishing cloth 1 pc
- Sandpaper 1 pc
- Disk 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User manual 1 copy
- Certificate 1 copy

Optional Accessory

- Magnetic disk
φ200mm, φ230mm or φ250mm
- Anti-stick disk
φ200mm, φ230mm or φ250mm
- Sandpaper
320#, 600#, 800#, 1200#
- Polishing cloth
Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um



Application

The machine has the characteristics of stable rotation, safety and reliability, compact structure and low noise, and it has a water cooling device, which can cool the sample during grinding to prevent the metallographic structure from being damaged due to overheating of the sample. The machine is convenient to use. Safe and reliable, it is the ideal sample preparation equipment for factories, research institutes and universities and colleges.

Product description

- The grinding and polishing machine is composed of a base, a polishing disc and a plastic pressed water shield. The disc is a polishing disc. This machine adopts FRP shell, which makes the machine more beautiful and elegant in appearance.
- The motor is fixed on the base; the shaft is driven by a V-belt; the polishing disc is sleeved on the shaft and rotated by the key; the switch is directly fixed on the housing; the flow rate of the movable spray pipe is adjusted and controlled by the knob on the panel.

Technical Specification

MODEL	HST-MP1B
Structure	Single disk control
Grinding and polishing disk diameter	φ203mm
	φ230 or φ250mm (optional)
Disk speed	50-1000r/min (stepless)
Sandpaper diameter	φ200mm
Motor	180W
Power supply	220V 50HZ
Dimensions	380×520×420 mm
Weight	16kg



HST-MP1C

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE



Standard Delivery

- Main unit 1 set
- Polishing cloth 1 pc
- Sandpaper 1 pc
- Disk 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User manual 1 copy
- Certificate 1 copy

Optional Accessory

- Magnetic disk
φ200mm, φ230mm or φ250mm
- Anti-stick disk
φ200mm, φ230mm or φ250mm
- Sandpaper
320#, 600#, 800#, 1200#
- Polishing cloth
Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um

Application

The machine has the characteristics of stable rotation, safety and reliability, compact structure and low noise, and it has a water cooling device, which can cool the sample during grinding to prevent the metallographic structure from being damaged due to overheating of the sample. The machine is convenient to use. Safe and reliable, it is the ideal sample preparation equipment for factories, research institutes and universities and colleges.

Product description

- The grinding and polishing machine is composed of a base, a polishing disc and a plastic pressed water shield. The disc is a polishing disc. This machine adopts FRP shell, which makes the machine more beautiful and elegant in appearance.
- The motor is fixed on the base; the shaft is driven by a V-belt; the polishing disc is sleeved on the shaft and rotated by the key; the switch is directly fixed on the housing; the flow rate of the movable spray pipe is adjusted and controlled by the knob on the panel.

Technical Specification

MODEL	HST-MP1C
Structure	Single disk control
Grinding and polishing disk diameter	φ203mm
	φ230 or φ250mm (optional)
Disk speed	50-1000r/min (stepless)
Sandpaper diameter	φ200mm
Motor power	550W
Power supply	220V 50HZ
Dimensions	500×910×475 mm
Weight	36kg



HST-Mopao1T

TOUCH SCREEN METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE



Standard Delivery

- Main unit 1 set
- Polishing cloth 1 pc
- Sandpaper 1 pc
- Disk 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 pc
- User manual 1 copy
- Certificate 1 copy

Optional Accessory

- Magnetic disk
φ200mm, φ230mm or φ250mm
- Anti-stick disk
φ200mm, φ230mm or φ250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth
Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um

Application

The grinding and polishing machine is a Single-disc desktop machine, which is suitable for rough grinding, fine grinding, rough polishing to fine polishing of metallographic samples.

Product description

- The polish-grinding machine is composed of a base, a polishing disc and a plastic pressing cover. The machine adopts the glass steel casing, which makes the machine more beautiful and generous in appearance.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.
- The machine is equipped with a water cooling device, which can cool the sample during grinding.

Technical Specification

MODEL	HST-Mopao1T
Structure	Single disk control
Grinding and polishing disk diameter	φ203mm
	φ230 or φ250mm (optional)
Disk speed	50-1000r/min (stepless)
	150/300/600/800r/min(fixed)
Sandpaper diameter	φ200mm
Motor power	550W
Power supply	220V 50HZ
Dimensions	500×910×475 mm
Weight	36kg



HST-Mopao2T

TOUCH SCREEN METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE



Standard Delivery

- Main unit 1 set
- Polishing cloth 1 pc
- Sandpaper 1 pc
- Grinding disk 1 pc
- Polishing disk 1 pc
- Water inlet pipe 1 pc
- Water outlet pipe 1 copy
- User manual 1 copy
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um

Application

The grinding and polishing machine is designed by multi-faceted research and collection of opinions and requirements of various users, and completely uses fiber glass shell, brass, stainless steel standard parts. The machine will never rust, which greatly increases the product's performance. It is the ideal equipment for pre-grinding the sample.

Product description

- The grinding and polishing machine is composed of a base, two discs (both for grinding and polishing) and plastic pressed water shield. This machine adopts FRP shell, which makes the machine more beautiful and elegant in appearance.
- The motor is fixed on the base; the shaft is driven by a V-belt; the polishing disc is sleeved on the shaft and driven by the key to rotate; the switch is directly fixed on the fuselage; the flow of the movable spray pipe is adjusted and controlled by the hand switch; The liquid can be drained from the drain pipe in the plastic pan.
- The machine is equipped with a cooling device, which can be used to cool the sample during the pre-grinding to prevent the metallographic structure from being damaged due to the overheating of the sample.

Technical Specification

MODEL	HST-Mopao2T
Structure	Dual disk and single control
Control mode	Touch screen dual control
Grinding and polishing disk diameter	ϕ 203mm
	ϕ 230 or ϕ 250mm (optional)
Disk speed	50-1000r/min (stepless)
	150/300/600/800r/min(fixed)
Sandpaper diameter	ϕ 200mm
Motor power	550W
Power supply	220V 50HZ
Dimensions	860×660×355 mm
Weight	70kg



HST-MP2

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm



Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disc is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MP2
Structure	Dual disk and single control
Grinding and polishing disk diameter	$\phi 203\text{mm}$
	$\phi 230$ or $\phi 250\text{mm}$ (optional)
Grinding Speed	450r/min
Polishing Speed	600r/min
Sandpaper diameter	$\phi 200\text{mm}$
Motor power	370W
Power supply	220V 50HZ
Dimensions	710×680×330 mm
Weight	42kg



HST-MP2B

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm



Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MP2B
Structure	Dual disk and single control
Grinding and polishing disk diameter	$\phi 203\text{mm}$
	$\phi 230$ or $\phi 250\text{mm}$ (optional)
Grinding Speed	50~1000rpm(stepless)
Polishing Speed	50~1000rpm(stepless)
Sandpaper diameter	$\phi 200\text{mm}$
Motor power	550W
Power supply	220V 50HZ
Dimensions	710×680×330 mm
Weight	42kg



HST-MP2C

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm



Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MP2C
Structure	Dual disk and dual control
Grinding and polishing disk diameter	$\phi 203\text{mm}$
	$\phi 230$ or $\phi 250\text{mm}$ (optional)
Disk speed	50~1000rpm(stepless)
Sandpaper diameter	$\phi 200\text{mm}$
Motor power	550W $\times 2$
Power supply	220V 50HZ
Dimensions	710 \times 680 \times 330 mm
Weight	50kg



HST-MoPao160

METALLOGRAPHIC SAMPLE
GRINDING AND POLISHING MACHINE



Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um

Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MoPao160
Structure	Single disk and single control
Grinding and polishing disk diameter	ϕ 203mm ϕ 230 or ϕ 250mm (optional)
Disk speed	300rpm ,600rpm (fixed speed)
Sandpaper diameter	ϕ 200mm
Motor power	120W/250 W
Power supply	3- phase,380V 50HZ
Dimensions	500×910×475 mm
Weight	35kg



HST-MoPao160E

METALLOGRAPHIC SAMPLE
GRINDING AND POLISHING MACHINE



Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um

Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.

- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MoPao160E
Structure	Single disk and single control
Grinding and polishing disk diameter	ϕ 203mm
	ϕ 230 or ϕ 250mm (optional)
Disk speed	50~600rpm(stepless)
	300rpm ,600rpm (fixed speed)
Sandpaper diameter	ϕ 200mm
Motor power	550W
Power supply	AC220V,50Hz
Dimensions	500×910×475 mm
Weight	35kg



HST-MoPao260

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm



Application

The grinding and polishing machine is a double-disc desktop machine, which is suitable for rough grinding, fine grinding, rough polishing to fine polishing of metallographic samples.

Structure Overview

- The grinding and polishing machine consists of a frame, a motor, a grinding and polishing disc and a control panel. The exterior of this machine is covered by ABS plastic shell, which is more beautiful and elegant in appearance, and has improved anti-corrosion and anti-rust performance.
- The motor is fixed on the base; the shaft is driven by a V-belt; the grinding and polishing disc is sleeved on the shaft and rotated by the key; the switch is directly fixed on the chassis; the sandpaper is pasted or pressed onto the grinding disc; Knob adjustment control; waste liquid drain pipe is discharged.
- The machine is equipped with a water cooling device, which can cool the sample during grinding.

Technical Specification

MODEL	HST-MoPao260
Structure	Dual disk and single control
Grinding and polishing disk diameter	$\phi 203\text{mm}$
	$\phi 230$ or $\phi 250\text{mm}$ (optional)
Disk speed	300rpm, 600rpm(fixed speed)
Sandpaper diameter	$\phi 200\text{mm}$
Motor power	120W/250W
Power supply	3- phase 380V,50Hz
Dimensions	710×680×330 mm
Weight	50kg



HST-MoPao260E

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm



Application

The grinding and polishing machine is a double-disc desktop machine, which is suitable for rough grinding, fine grinding, rough polishing to fine polishing of metallographic samples.

Structure Overview

- The grinding and polishing machine consists of a frame, a motor, a grinding and polishing disc and a control panel. The exterior of this machine is covered by ABS plastic shell, which is more beautiful and elegant in appearance, and has improved anti-corrosion and anti-rust performance.
- The motor is fixed on the base; the shaft is driven by a V-belt; the grinding and polishing disc is sleeved on the shaft and rotated by the key; the switch is directly fixed on the chassis; the sandpaper is pasted or pressed onto the grinding disc; Knob adjustment control; waste liquid drain pipe is discharged.
- The machine is equipped with a water cooling device, which can cool the sample during grinding.

Technical Specification

MODEL	HST-MoPao260E
Structure	Dual disk and single control
Grinding and polishing disk diameter	$\phi 203\text{mm}$
	$\phi 230$ or $\phi 250\text{mm}$ (optional)
Disk speed	50~1000rpm(stepless)
	300rpm, 600rpm(fixed speed)
Sandpaper diameter	$\phi 200\text{mm}$
Motor power	120W/250W
Power supply	220V,50Hz
Dimensions	710×680×330 mm
Weight	50kg



HST-MoPao2D

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um



Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.
- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MoPao2D
Structure	Dual disk and dual control
Grinding and polishing disk diameter	ϕ 203mm
	ϕ 230 or ϕ 250mm (optional)
Disk speed	300r/min, 600r/min (fixed speed)
Sandpaper diameter	ϕ 200mm
Motor power	120W/250W \times 2
Power supply	380V 50HZ
Dimensions	710 \times 680 \times 330 mm
Weight	50kg



HST-MoPao2DE

METALLOGRAPHIC SAMPLE GRINDING AND POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Polishing disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um



Application

The machine is an economical model that combines the pre-grinding and polishing operations of the sample. The turntable obtains different rotation speeds through the rotation speed of the pulley, thereby realizing the grinding and polishing function. The grinding and polishing machine is a double-disc desktop machine, and the left disk is used for grinding. The right disc is used for polishing, it can be operated by two people at the same time.

Structure Overview

- The grinding and polishing machine is composed of a base, a grinding disc, a polishing disc and a plastic pressed water shield. The left disc is a grinding disc and the right disc is a polishing disc. This machine adopts good and practical ABS shell, which has the characteristics of beautiful appearance, anti-corrosion and anti-rust.

- The motor is fixed on the base, the shaft through the triangle belt drive, the disc set on the shaft, driven by the key and rotation, the switch is fixed directly on the body, the flow of the water spray pipe can be adjusted by the panel knob.

Technical Specification

MODEL	HST-MoPao2DE
Structure	Dual disk and dual control
Grinding and polishing disk diameter	ϕ 203mm
	ϕ 230 or ϕ 250mm (optional)
Disk speed	50~600rpm(stepless)
	150r/mi, 300r/min(fixed speed)
Sandpaper diameter	ϕ 200mm
Motor power	550W×2
Power supply	220V 50HZ
Dimensions	710×680×330 mm
Weight	50kg



HST-M1

METALLOGRAPHIC SAMPLE PRE-GRINDING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μ m, W1 μ m, W2.5 μ m



Application

HST-M1 Metallographic Specimen Pre-grinding Machine is a kind of single disc bench type machine which is suitable for the rough grinding, and fine & half fine grinding of the specimen. The machine is equipped with water cooling system which can realize the cooling onto the specimen when grinding, and this will prevent the metallographic organization of sample from being damaged. This machine features convenient operation, stable and reliable performance. It is the ideal sample preparing equipment to be used in factories, researching institutes and college laboratories.

Technical Specification

MODEL	HST-M1
Structure	Single disk
Grinding disk diameter	ϕ 230mm
	ϕ 250mm (optional)
Disk speed	900rpm(fixed speed)
Motor power	90W
Power supply	AC220V 50Hz
Dimensions	380×520×420 mm
Weight	11kg



HST-M2

METALLOGRAPHIC SAMPLE PRE-GRINDING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μ m, W1 μ m, W2.5 μ m



Application

HST-M2 Metallographic Specimen Pre-grinding Machine is a kind of double disk pre-grinding machine. Taking advantage of various water-resistant sand papers with different granularity.

It can be used to pre-grind various metal and alloy materials. By using this machine, manual grinding can be replaced by mechanical grinding so as to improve specimen preparing efficiency, also the deforming and heating traces produced during cutting can be removed completely.

This will be suitable to observe and measure the metallographic structure of specimen under microscope.

Technical Specification

MODEL	HST-M2
Structure	Dual disk and single control
Grinding disk diameter	ϕ 230mm
	ϕ 250mm (optional)
Disk speed	450rpm(fixed speed)
Motor power	370W
Power supply	Single-Phase AC220V 50Hz
Dimensions	710×680×330 mm
Weight	45kg



HST-P1

METALLOGRAPHIC SAMPLE POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μ m, W1 μ m, W2.5 μ m



Application

HST-P1 Metallographic Specimen Polishing Machine is suitable for the polishing of the specimen which has been grinded.

The specimen surface is very smooth after processing and can be used to observe and measure the metallographic structure of specimen under microscope.

This machine has features of smooth running, low noise, easy operation and maintenance.

It can meet polishing requirements of multiple materials. It is widely used in metallographic experiments of mining and industrial enterprises, colleges and universities, scientific research institutions, etc.

Technical Specification

MODEL	HST-P1
Structure	Single disk
Polishing disk diameter	ϕ 203mm
	ϕ 250mm (optional)
Disk speed	1400rpm(fixed speed)
Motor power	180W
Power supply	Single-Phase AC220V 50Hz
Dimensions	380×490×350 mm
Weight	11kg



HST-P2

METALLOGRAPHIC SAMPLE POLISHING MACHINE



Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μ m, W1 μ m, W2.5 μ m

Application

HST-P2 Metallographic Specimen Polishing Machine is suitable for the polishing of the specimen which has been grinded.

The specimen surface is very smooth after processing and can be used to observe and measure the metallographic structure of specimen under microscope.

Technical Specification

MODEL	HST-P2
Structure	Dual disk
Polishing disk diameter	ϕ 203mm
	ϕ 250mm (optional)
Disk speed	1400rpm(fixed speed)
Motor power	180W \times 2
Power supply	AC380V 50Hz
Dimensions	900 \times 480 \times 1027 mm
Weight	26kg



HST-P2G

METALLOGRAPHIC SAMPLE POLISHING MACHINE



Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Anti-stick disk $\phi 200\text{mm}$, $\phi 230\text{mm}$ or $\phi 250\text{mm}$
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5 μm , W1 μm , W2.5 μm

Application

HST-P2G

Metallographic Specimen Polishing Machine adopt cabinet structure, mainly used to polish the all kinds of solid products, metal or nonmetal specimen.

It has the advantages of stable transmission, low noise, easy operation and convenient maintenance, can afford a variety of materials polishing requirement.

Technical Specification

MODEL	HST-P2G
Structure	Dual disk
Polishing disk diameter	$\phi 203\text{mm}$
	$\phi 250\text{mm}$ (optional)
Disk speed	1400rpm(fixed speed)
Motor power	180W $\times 2$
Power supply	AC220V 50Hz
Dimensions	770 \times 505 \times 900 mm
Weight	26kg



HST-P2T

METALLOGRAPHIC SAMPLE POLISHING MACHINE

Standard Delivery

- Main unit
- Polishing cloth
- Sandpaper
- Grinding disk
- Water inlet pipe
- Water outlet pipe
- User manual
- Certificate

Optional Accessory

- Magnetic disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Anti-stick disk ϕ 200mm, ϕ 230mm or ϕ 250mm
- Sandpaper 320#, 600#, 800#, 1200#
- Polishing cloth: Silk velvet, canvas, woolen cloth
- Diamond polishing agent W0.5um, W1um, W2.5um



Application

HST-P2T Metallographic Specimen Polishing Machine adopt table type structure, mainly used to polish all kinds of solid products, metal or no-metal specimen.

It has the advantages of stable transmission, low noise, easy operation and convenient maintenance, can afford a variety of materials polishing requirement.

Technical Specification

MODEL	HST-P2T
Structure	Dual disk
Polishing disk diameter	ϕ 203mm
	ϕ 250mm (optional)
Disk speed	1400rpm(fixed speed)
Motor power	180W \times 2
Power supply	AC220V 50Hz
Dimensions	705 \times 475 \times 320 mm
Weight	59kg



HST-BG30

BELT SURFACE GRIND MACHINE



Application

This machine is a new generation design, made according to international standard and advanced process technique. Grinding and polishing the specimens with belt. You can change the difficult belts easy and efficient. The machine can instead of those reprepared grinder and manual abrasive paper grinding. Each belt can finish operation in 1-2 minutes. It is economical with time, effort, and abrasive paper if grinding the spectroscopy specimens

Technical Specification

MODEL	HST-BG30
Center distance	255mm
Cooling device	ok
Sand belt	Width100mm length920mm
Belt number	1
Speed	1400r/min
Surface speed	768r/min
Motor	550W
Input voltage	380V 50HZ
Dimension	550mm x570mm x320mm
Net weight	56kg



HST-BG32

BELT SURFACE GRINDING MACHINE



Technical Specification

Application

This machine is a new generation design, made according to international standard and advanced process technique. Grinding and polishing the specimens with belt. You can change the difficult belts easy and efficient. The machine can instead of those reprepared grinder and manual abrasive paper grinding. Each belt can finish operation in 1-2 minutes. It is economical with time, effort, and abrasive paper if grinding the spectroscopy specimens

MODEL	HST-BG32
Center distance	255mm
Cooling device	ok
Sand belt	Width100mm length920mm
Belt number	2
Speed	1400r/min
Surface speed	768r/min
Motor	550W
Input voltage	380V 50HZ
Dimension	620mm x570mm x320mm
Net weight	95kg



HST-MPG1A

BELT SURFACE GRINDING MACHINE



Application

MPJ1A model grinding machine is mainly used for the surface of spectral analysis sample and metal, ceramic, glass and other devices such as polishing. The machine has compact structure, single wheel speed, grinding wheel with different grain size, hardness. This machine is a smooth rotation, low noise, convenient operation, high efficiency. It is suitable for factories, scientific research institution.

Main Characteristics

Humanization design: Operational plane with adjustable height and the scientific design make the grinding workpiece easier.

Safety sample preparation: Safe design of the sampling window and the irregular sample clamp with option protect the users' safety.

Powerful dust: Compared with the additional dust methods, has nearly 100% dust effect, convenient to collect dust, which makes your laboratory more cleaner.

High-efficiency grinding: Large power motor (2KW) with two level speed makes the grinding efficiency more higher. The sample processing time is not more than 20s. Even though there is more loads, it is still more reliable.

Technical Specification

MODEL	HST-MPG1A
Grinding disc diameter	Φ400mm
Speed	1400r/min, 2800r/min
Input voltage	2KW
Motor:	AC380V 50HZ
Dimension	590mm x 580mm x 1020mm
Net weight	80kg



Metallographic consumables

Focus on metallographic equipment and consumables research and development of professional brand

			
Diamond cutting piece	Resin cutting sheet	Metallographic cutting Coolant	CBN cutting piece
			
CM-71 Cold mounting material	Cold/hot mosaic powder	Die for cold Mounting	Mounting material
			
Diamond Grinding Disk	Metallographic sandpaper	MEGULAR	Diamond paste
			
Polishing powder	Polishing lubricant coolant	Metallographic polishing cloth	Polishing liquid



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