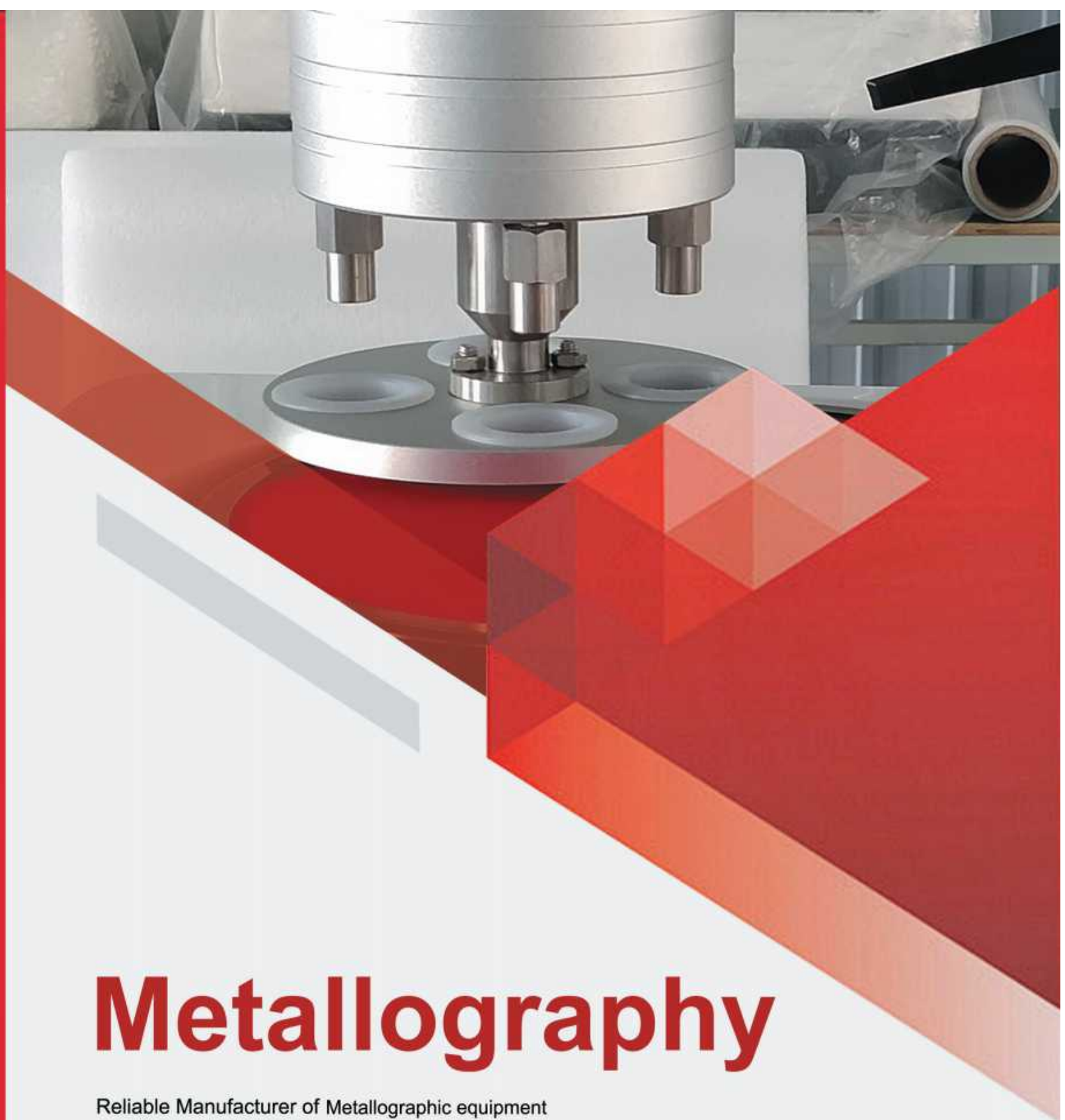




Metallography

Reliable Manufacturer of Metallographic equipment

PRODUCT BROCHURE



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🌐 www.hssdgroup.com

📍 Jinan Hensgrand Instrument Co., Ltd.



Jinan Hensgrand Instrument Co., Ltd.

COMPANY PROFILE

Reliable Manufacturer of Material Testing Machine



HENSGRAND

Founded in 2009, it has gone through 17 eventful years. It is a high-tech enterprise with import and export rights. The company is committed to providing the market with professional and reliable Metallographic preparation equipment. At present, the Metallographic preparation equipment produced by the company successfully provides reliable mechanical testing solutions for the global aerospace, national defense, scientific research institutes, universities, engineering quality inspection, verification and certification, automotive and shipbuilding, rail transit, bridge civil, consumer electronics, textile, metallurgy, chemical medical, electric power import and export inspection and other industries.



COMPANY DEVELOPMENT

A thousand mile trip begins with one step. Looking ahead to the future, Jinan Hensgrand is committed to the vision of "becoming a world-renowned testing enterprise", adhering to the values of "loyalty, efficiency, passion, innovation, sharing, and perseverance", and shouldering the mission of "providing every customer with high-quality testing instruments". We strive to create leading technology, high-quality products, and professional services, and strive to become a domestic first-class and internationally renowned comprehensive service provider for physical performance testing instruments.

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OUR STRENGTH



Professional customized services

Based on customized requirements such as parameters, dimensions, and colors requested by customers, we utilize professional data analysis and advanced equipment to provide customers with exclusive solutions.



Our products

Our products are exported to Germany, the United States, Spain, Australia, Italy, South Africa, South Korea, Pakistan, Papua New Guinea, Malaysia, Thailand, Singapore and other international markets. We have a professional pre-sales, sales, after-sales service team, to provide strong technical support to users at home and abroad.



Over 17 years of excellent quality

After years of growth and development, we have successfully obtained certifications such as ISO9001 quality system, ISO14000 environmental management system, occupational health and safety management system, CE, etc. The company has accumulated 22 authorized national patents, including 2 national invention patents, 13 national utility model patents, and 7 national design patents.

CATALOGUE

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▶ HST-Q2

Metallographic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q2
Max. cutting diameter	Ø35mm
Sand wheel rotating speed	2800 rpm
Cutting power	1.1kw
Grinding wheel specifications	250*2*32mm
Dimensions and Net weight	429*410*360mm,45kg
Package Size and Gross weight	540*458*479mm,53.7kg
Power supply	3-phase 380V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Cutting Machine	1 set	Grinding wheel(Ø250)	2 pc
Wrench(36mm, 46mm)	2 pc	Product Manual	1Sheet
Water inlet pipe	1 pc	Product certification	1Sheet
Water outlet pipe	1 pc		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- This machine is equipped with a cooling system to take away the heat generated during cutting.
- The cutting machine uses a high-speed rotating thin-reinforced grinding wheel to cut the sample.

▶ HST-Q2A

Metallographic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q2A
Max. cutting diameter	Ø50mm
Spindle speed	2800 rpm
Cutting power	2.2kw
Grinding wheel specifications	300*2*32mm
Dimensions and Net weight	469*455*396mm,66.55kg
Package Size and Gross weight	615*516*538mm,77.25kg
Power supply	3-phase 380V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample cutting machine	1 set	46mm Open-end spanner	2 pcs
300mm Grinding wheel	2 pcs	Manual	1Sheet
Water outlet pipe	1 pc	Certificate of conformity	1Sheet
Water inlet pipe	1 pc	Standard accessories	1Sheet



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- KASON CUT-50 Metallographic specimen cutting machine can obtain metallographic specimen and it can be widely used to cut various metal materials in metallographic laboratories. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallographic structure deforming of specimen because of heating influence. Besides various metal materials, this machine can also be used to cut other non-metal material such as plastic, rubber hose etc.

▶ HST-SQ60G

Manual Metallographic Sample Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-SQ60G
Maximum cutting diameter	Ø60mm
Grinding wheel specifications	250 x 1.5 x 25.4 mm
Spindle speed	2800 rpm
Cutting power	2.4kw
Dimensions and Net weight	760*620*450mm,82kg
Packaging size and gross weight	Equipment: 830*720*600mm;water tank:710*540*470mm;Total weight: 140kg
Power supply	Three-phase 380V,50HZ



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- Stainless machine body and worktable
- Equipped with lighting lamp
- 60L water cooling system

▶ HST-SQ60

Manual Metallographic Sample Cutting Machine



◆ PRODUCT FEATURES

- LED Lighting system is optional
- Large volume water cooling system

◆ TECHNICAL PARAMETERS

Model	HST-SQ60
Maximum cutting diameter	Ø60mm
Spindle speed	2800 rpm
Cutting power	2.2kw
Grinding wheel specifications	250*2*32mm
Water tank size and net weight	470*370*300mm,15kg
Water tank packaging size and Gross Weight	540*460*460mm,25kg
Dimensions and Net weight	710*645*470mm,86kg
Package Size and Gross weight	730*760*620mm,102kg
Power supply	Three-phase 380V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc(250mm)	1 Pc
Product Manual	1Sheet	Water inlet pipe	2 Pc
Product certification	1Sheet	Water outlet pipe	1 Pc
Standard accessories	1Sheet	Pipe clamp	1 Pc
Wrench(12-14mm)	1 Pc	Water tank	2 Set
Wrench(36mm)	1 Pc	Manual sample cutting machine(Water pump is included)	1 Set



Metallographic products



Product details



Metallographic consumables

▶ HST-SQ60A

Manual Metallographic Sample Cutting Machine



◆ PRODUCT FEATURES

- Quick clamping vice.
- LED Lighting system is optional
- Large volume water cooling system

◆ TECHNICAL PARAMETERS

Model	HST-SQ60A
Maximum cutting diameter	Ø60mm
Spindle speed	2800 rpm
Cutting power	2.2kw
Cutting wheel	250×1.5×32mm
Workbench size	200*230mm
Cooling system	water cooling
Cooling Liquid Tank	Cooling Liquid Tank 60L
Water tank size and net weight	620*500*395mm,21kg
Water tank packaging size and Gross Weight	675*550*530mm,30kg
Dimensions and Net weight	730*720*680mm,107kg
Package Size and Gross weight	840*840*800mm,130kg
Power supply	Three-phase 380V,50HZ

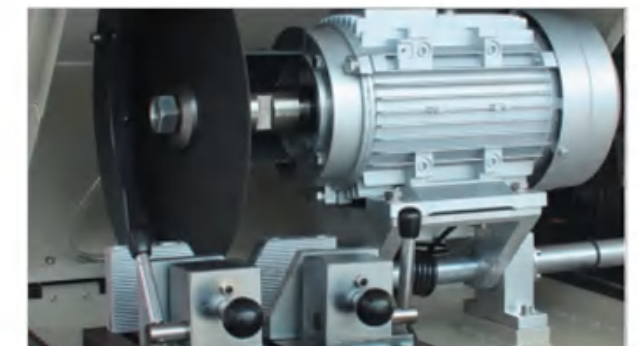
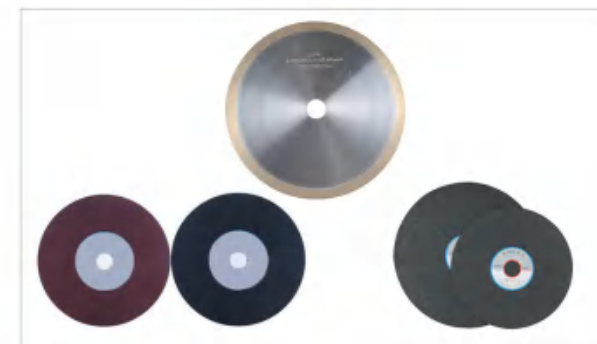
◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc(250mm)	1 Pc
Product Manual	1Sheet	In and out water tube	Each 1Pc
Product certification	1Sheet	Abrasive cutting wheel	2 pcs
Standard accessories	1Sheet	Quick clamps	1 Set
Wrench(12-14mm)	1 Pc	Water tank	1 Set
Wrench(36mm)	1 Pc	LED light	1 Set



Metallographic products

Product details



Metallographic consumables

▶ HST-SQ80

Manual Metallographic Sample Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-SQ80
Maximum cutting diameter	Ø80mm
Grinding wheel specifications	250*2*32mm
Spindle speed	2800 rpm
Cutting power	3kw
Water tank size and net weight	470*370*300mm,15kg
Water tank packaging size and Gross Weight	540*460*460mm,25kg
Dimensions and Net weight	730*650*551mm,118.75kg
Package Size and Gross weight	897*757*730mm,139.7kg
Power supply	Three-phase 380V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc(250mm)	1 Pc
Product Manual	1Sheet	In and out water tube	Each 1Pc
Product certification	1Sheet	Water outlet pipe	1 Pc
Standard accessories	1Sheet	Pipe clamp	1 Pc
Wrench(30-32mm)	1 Pc	Water tank	2 Set
Wrench(36mm)	1 Pc	LED light	1 Set

◆ PRODUCT FEATURES

- Stainless chamber cover.
- Equipped with large volume water cooling system
- LED lighting system is optional



Metallographic products



Product details



Metallographic consumables

▶ HST-SQ80A

Manual Metallographic Sample Cutting Machine

METALLOGRAPHIC CUTTING MACHINE



◆ PRODUCT FEATURES

- Quick clamping vice.
- Equipped with large volume water cooling system
- LED lighting system is optional

◆ TECHNICAL PARAMETERS

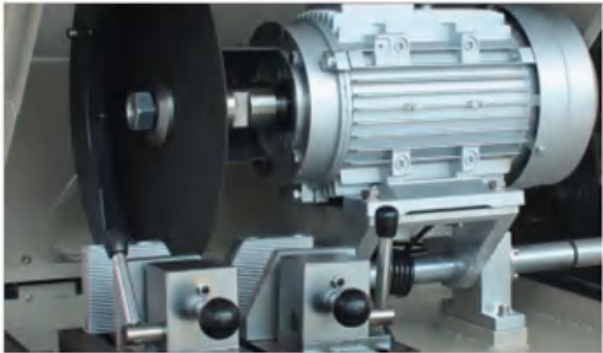
Model	HST-SQ80A
Maximum cutting diameter	Ø80mm
Grinding wheel specifications	250*2*32mm
Spindle speed	2800 rpm
Cutting power	3kw
Workbench size	200*230mm
Cooling system	water cooling
Cooling Liquid Tank	Cooling Liquid Tank 60L
Water tank size and net weight	620*500*395mm,21kg
Water tank packaging size and Gross Weight	675*550*530mm,30kg
Dimensions and Net weight	730*720*680mm,107kg
Package Size and Gross weight	840*840*800mm,130kg
Power supply	Three-phase 380V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc(250mm)	1 Pc
Product Manual	1Sheet	In and out water tube	Each 1Pc
Product certification	1Sheet	Abrasive cutting wheel	2 pcs
Standard accessories	1Sheet	Quick clamps	1 Set
Wrench(12-14mm)	1 Pc	Water tank	1 Set
Wrench(36mm)	1 Pc	LED light	1 Set



Metallographic products



Product details



Metallographic consumables

▶ HST-SQ100

Manual Metallographic Sample Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-SQ100
Maximum cutting diameter	Ø100mm
Grinding wheel specifications	300*2*32mm
Spindle speed	2800 rpm
Cutting power	3kw
Water tank size and net weight	470*370*300mm,15kg
Water tank packaging size and Gross Weight	540*460*460mm,25kg
Dimensions and Net weight	800*680*631mm,135kg
Packing Size and Gross weight	930*756*792mm,153kg
Power supply	Three-phase 380V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc(250mm)	1 Pc
Product Manual	1Sheet	In and out water tube	Each 1Pc
Product certification	1Sheet	Water outlet pipe	1 Pc
Standard accessories	1Sheet	Pipe clamp	1 Pc
Wrench(30-32mm)	1 Pc	Water tank	2 Set
Wrench(36mm)	1 Pc	LED light	1 Set

◆ PRODUCT FEATURES

- Stainless chamber cover.
- Equipped with large volume water cooling system
- LED lighting system is optional



Metallographic products



Product details



Metallographic consumables

▶ HST-SQ100A

Manual Metallographic Sample Cutting Machine

METALLOGRAPHIC CUTTING MACHINE



◆ TECHNICAL PARAMETERS

Model	HST-SQ100A
Maximum cutting diameter	Ø100mm
Grinding wheel specifications	300*2*32mm
Spindle speed	2800 rpm
Cutting power	3kw
Workbench size	230*230mm
Cooling system	water cooling
Cooling Liquid Tank	Cooling Liquid Tank 60L
Water tank size and net weight	620*500*395mm,21kg
Water tank packaging size and Gross Weight	675*550*530mm,30kg
Dimensions and Net weight	730*720*680mm,107kg
Package Size and Gross weight	840*840*800mm,130kg
Power supply	Three-phase 380V,50HZ

◆ STANDARD CONFIGURATION

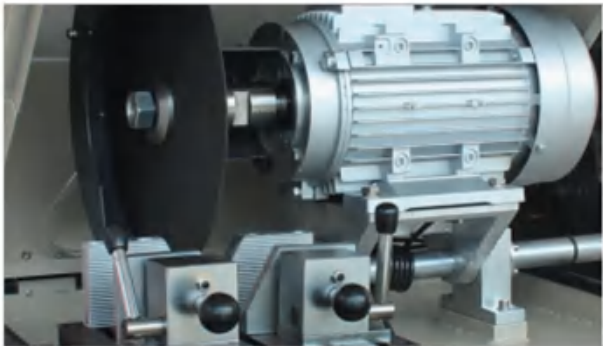
Name	Qty	Name	Qty
Manual sample cutting machine	1 set	Cutting disc	1 Pc
Product Manual	1Sheet	In and out water tube	Each 1Pc
Product certification	1Sheet	Abrasive cutting wheel	2 pcs
Standard accessories	1Sheet	Quick clamps	1 Set
Wrench(12-14mm)	1 Pc	Water tank	1 Set
Wrench(36mm)	1 Pc	LED light	1 Set

◆ PRODUCT FEATURES

- Quick clamping vice.
- Equipped with large volume water cooling system
- LED lighting system is optional



Metallographic products



Product details



Metallographic consumables

► HST-Q80Z

Automatic Metallographic Specimen Cutting Machine



◆ PRODUCT FEATURES

- Various cutting data can be displayed on high definition backlight type LCD screen.
- Manual cutting and automatic cutting modes can be switched at will
- Large cutting chamber, tempered glass observing window
- Non-burning loss swing type cutting means, which improves the cutting quality
- Automatic withdraw function after cutting is finished
- Bidirectional feeding method increases the length of deep cutting
- Cutting speed: 2.25, 3, 4, 5, 7, 9, 12, 15mm/min.
- Equipped with large volume cooling liquid water tank.

◆ TECHNICAL PARAMETERS

Model	HST-Q80Z
Cutting chamber shell	Steel plate
Maximum cutting diameter	Ø 80mm
Platform moves in Y direction	275mm
Cutting table size	280*310mm
Cutting disc specifications	350*2.5*32mm
Cutting method	Manual / Auto
Feeding method	Any adjustment (Manual / Auto dual use)
Cutting speed	Maximum 1mm/s
Automatic cutting method	Intermittent cutting (metal workpieces) and continuous cutting (non-metallic workpieces)
Cutting distance	Set as needed
Reset mode	Automatic reset
Cooling system	Automatic (water cooling 2 channels)
Water tank capacity	50L
Spindle speed	2100rpm
Motor Power	3KW
Machine type	Desktop
Water tank dimensions and net weight	470*370*300mm,17kg
Water tank packaging size and gross weight	540*460*460mm,27kg
Dimensions and Net weight	887*795*600mm,210kg
Package Size and Gross weight	1100*940*800mm,210kg
Power supply	380V,50HZ,3P

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Main host	1 set	Throat hoop	1 Pc
Water tank(water pump is included)	1 set	Wrench(12-14mm)	Each 1Pc
Grinding wheel(350×2.5×32mm)	2 Pcs	Wrench(24-27mm)	2 pcs
Water outlet pipe(Ø32×1.5m)	1 Pc	Wrench(36mm)	1 Set
Water inlet pipe(Ø25×1.5m)	1 Pc	Documents (Manual/Certificate of conformity/Standard accessories)	1 Set



Product details

► HST-Q80AZ

Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q80AZ
Cutting chamber shell	Steel plate
Maximum cutting diameter	Ø 80mm
Sand wheel specification	300 x 2 x 32 mm
Spindle speed	2300 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-320 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 320 mm
Motor Power	2.2KW
Machine type	Desktop
Dimensions and Net weight	930 *920 *610 mm,330kg
Power supply	380V,50HZ,3P

◆ PRODUCT FEATURES

- Large touch screen and joystick control for easy operation.
- LED lighting system for better observation.
- Main shaft of cutting disc is movable upward and downward which can prolong the using life of cutting disc greatly.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished.



Product details

Product details



Product details



► HST-Q100B

Automatic Metallographic Specimen Cutting Machine



◆ PRODUCT FEATURES

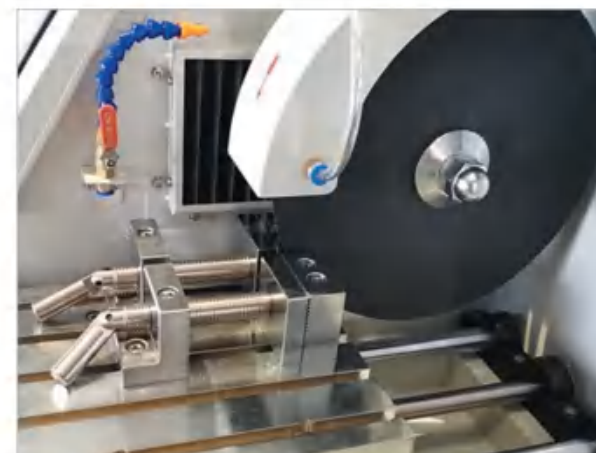
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Recirculating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition touch screen type LCD.
- Delay cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- Automatic withdraw function after cutting is finished
- Zero setting for cutting distance to clear empty travel
- Equipped with large volume cooling liquid water tank

◆ TECHNICAL PARAMETERS

Model	HST-Q100B
Cutting chamber shell	Steel plate
Maximum cutting diameter	Ø100mm
Infeed depth tracking	LCD display
Platform moves in Y direction	275mm
Cutting table size	280*310mm
Cutting disc specifications	350*2.5*32mm
Clamping table specifications	The fixture table is divided into left and right parts, with a central cutting edge.
Cutting method	Manual / Auto
Feeding method	Any adjustment (manual/auto, dual use)
Cutting speed	Maximum 0.1~2.5mm/s
Automatic cutting method	Intermittent cutting (metal workpieces) and continuous cutting (non-metallic workpieces)
Cutting distance	Set as needed
Reset mode	Automatic reset
Cooling system	Automatic (water cooling 2 channels)
Water tank capacity	50L
Spindle speed	2100rpm
Motor Power	3KW
Machine type	Desktop
Water tank dimensions and net weight	470*370*300mm, 17kg
Water tank packaging size and Gross weight	540*460*460mm, 27kg
Dimensions and Net weight	887*795*600mm, 210kg
Package Size and Gross weight	1100*940*800mm, 241kg
Power supply	380V, 50hz, 3Phases

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Main host	1 set	Throat hoop	4 Pcs
Water tank(water pump is included)	1 set	Wrench(12-14mm)	1Pc
Grinding wheel(350×2.5×32mm)	2 Pcs	Wrench(24-27mm)	1Pc
Water outlet pipe(Ø32×1.5m)	1 Pc	Wrench(36mm)	1Pc
Water inlet pipe(Ø25×1.5m)	1 Pc	Documents (Manual/Certificate of conformity/Standard accessories)	1Sheet



Product details

► HST-Q100AB

Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q100AB
Cutting chamber shell	Steel plate
Maximum cutting diameter	Ø 100mm
Sand wheel specification	300 x 2.5 x 32 mm
Spindle speed	2300 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-320 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 320 mm
Motor Power	3KW
Machine type	Desktop
Dimensions and Net weight	930 *920 *610 mm,330kg
Power supply	380V,50HZ,3P

◆ PRODUCT FEATURES

- Large touch screen and joystick control for easy operation.
- LED lighting system for better observation.
- Main shaft of cutting disc is movable upward and downward which can prolong the using life of cutting disc greatly.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished



Product details

Product details



Product details



► HST-Q120AB

Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q120AB
Cutting chamber shell	Steel plate
Maximum cutting diameter	Ø 120mm
Sand wheel specification	400 x 3 x 32 mm
Spindle speed	2100 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-340 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 320 mm
Motor Power	4KW
Machine type	Desktop
Dimensions and Net weight	980 x 930 x 670 mm, 350kg
Power supply	380V, 50HZ, 3P

◆ PRODUCT FEATURES

- Large touch screen and joystick control for easy operation.
- LED lighting system for better observation.
- Main shaft of cutting disc is movable upward and downward which can prolong the using life of cutting disc greatly.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished



Product details

Product details



Product details

► HST-SQ80F

Manual Metallographic Cutting Machine



◆ PRODUCT FEATURES

- Stainless chamber cover
- Equipped with water cooling system
- Lighting system is optional

◆ TECHNICAL PARAMETERS

Model	HST-SQ80F
Maximum cutting diameter	Ø 80mm
Cutting disc specification	250 x (1.5-2) x 32mm
spindle speed	2800rpm
Work table size	230 x 240 mm
Motor Power	3.0KW
Dimensions and Weight: approx.	740*680*1650mm, 140 kg
Packaging size and gross weight	940*770*1710mm, 204kg
Power supply	380V, 50HZ, 3P



Product details

Product details



Metallographic consumables

▶ HST-SQ100F

Manual Metallographic Cutting Machine

METALLOGRAPHIC CUTTING MACHINE



◆ PRODUCT FEATURES

- Stainless chamber cover
- Equipped with water cooling system
- Lighting system is optional

◆ TECHNICAL PARAMETERS

Model	HST-SQ100F
Maximum cutting diameter	Ø 100mm
Cutting disc specification	300 x 2 x 32mm
spindle speed	2800rpm
Work table size	230 x 240 mm
Motor Power	3.0KW
Dimensions and Weight: approx.	740*680*1650mm,150kg
Packaging size and gross weight	940*770*1710mm,217kg
Power supply	380V,50HZ,3P



Product details

Product details



Metallographic consumables

▶ HST-SQ120F

Manual Metallographic Cutting Machine

METALLOGRAPHIC CUTTING MACHINE



◆ PRODUCT FEATURES

- Stainless chamber cover
- Equipped with water cooling system
- Lighting system is optional

◆ TECHNICAL PARAMETERS

Model	KASON CUT-120F
Maximum cutting diameter	Ø 120mm
Cutting disc specification	350 x 2.5 x 32mm
spindle speed	2800rpm
Work table size	230 x 240 mm
Motor Power	4.0KW
Dimensions and Weight: approx.	740*680*1650mm,190kg
Packaging size and gross weight	940*770*1710mm,230kg
Power supply	380V,50HZ,3P



Product details

Product details



Metallographic consumables



▶ HST-Q80ZF

Manual /Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q80ZF
Max. Cutting diameter	Ø80mm x 200mm
Cutting disc rotating speed	2100rpm
Cutting disc specification	350 X2.5 X32mm
Work table size	310 x 280mm
Motor Power	3.0kw
Dimensions and Weight	800 x 780 x 1500mm, 260 kg
Packaging size and gross weight	1020*860*1600mm, 286.5KG
power supply	AC 380V, 50Hz, three phases

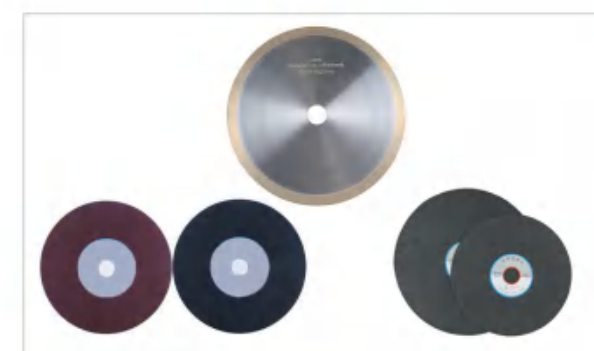
◆ PRODUCT FEATURES

- Various cutting data can be displayed on high definition backlight type LCD screen.
- Manual cutting and automatic cutting modes can be switched at will
- Large cutting chamber, tempered glass observing window
- Non-burning loss swing type cutting means, which improves the cutting quality
- Automatic withdraw function after cutting is finished
- Bidirectional feeding method increases the length of deep cutting
- Equipped with large volume cooling liquid water tank



Metallographic products

Product details



Metallographic consumables

► HST-Q100BF

Manual /Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

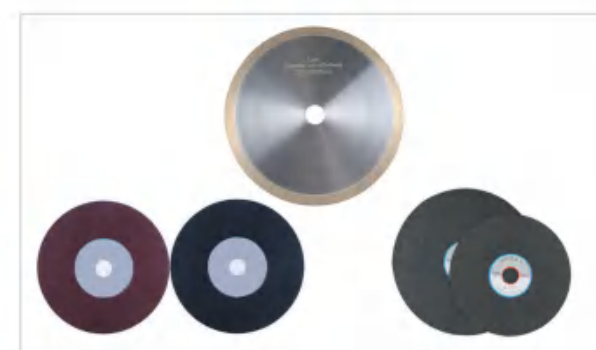
Model	HST-Q100BF
Max. Cutting diameter	Ø100mm x 200mm
Cutting disc rotating speed	2200rpm
Cutting disc specification	350 X2.5 X32mm
Work table size	320 x 300mm
Motor Power	3.0kw
Dimensions and Weight	930 x 700 x 1550mm, 270 kg
Packaging size and gross weight	1020*860*1600mm, 286.5KG
power supply	AC 380V, 50Hz, three phases



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Recirculating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Delay cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- Automatic withdraw function after cutting is finished
- Zero setting for cutting distance to clear empty travel
- Equipped with large volume cooling liquid water tank

► HST-Q80AZF

Manual /Automatic Metallographic Specimen Cutting Machine



◆ PRODUCT FEATURES

- Floor type with cabinet, large touch screen and joystick control for easy operation.
- Quick clamping vice which is convenient for specimen clamping.
- LED lighting system for better observation.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished

◆ TECHNICAL PARAMETERS

Model	HST-Q80AZF
Max. Cutting diameter	Ø80mm
Cutting disc rotating speed	300 X2 X32mm
Cutting disc specification	2300 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-320 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 320 mm
Motor Power	2.2KW
Dimensions and Net weight	930 x 920 x 1310 mm, 370kg
power supply	AC 380V, 50Hz, three phases



Product details

Product details



Product details



► HST-Q100ABF

Manual /Automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-Q100ABF
Max. Cutting diameter	Ø100mm
Cutting disc rotating speed	350 X2.5 X32mm
Cutting disc specification	2300 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-320 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 320 mm
Motor Power	3KW
Dimensions and Net weight	930 x 920 x 1310 mm,390kg
power supply	AC 380V, 50Hz, three phases

◆ PRODUCT FEATURES

- Floor type with cabinet, large touch screen and joystick control for easy operation.
- Quick clamping vice which is convenient for specimen clamping.
- LED lighting system for better observation.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished



Product details

Product details



Product details



► HST-Q120ABF

Manual /Automatic Metallographic Specimen Cutting Machine



◆ PRODUCT FEATURES

- Floor type with cabinet, large touch screen and joystick control for easy operation.
- Quick clamping vice which is convenient for specimen clamping.
- LED lighting system for better observation.
- Two working modes of intermittent cutting (for large and hard specimen) and continuous cutting (for small and soft specimen) can be selected.
- The machine can preset the cutting speed according to different specimens, this will improve the cutting performance and quality of specimen.
- Large volume re-circulating cooling system can help to cool down the specimen during cutting process so as to avoid burning damage to the organization.
- The machine can be operated in manual cutting mode or automatic cutting mode.
- Various cutting data can be displayed on high definition backlight type LCD screen.
- Automatic withdraw function after cutting is finished

◆ TECHNICAL PARAMETERS

Model	HST-Q120ABF
Max. Cutting diameter	Ø120mm
Cutting disc rotating speed	400 X3 X32mm
Cutting disc specification	2100 rpm (or 600-2800 rpm stepless speed is optional)
Cutting disc upward and downward moving distance	0-50 mm
Worktable forward and backward moving distance	0-340 mm
Automatic feeding speed	0-180 mm/min
Cutting table size	430 x 400 mm
Motor Power	4KW
Dimensions and Net weight	980 x 930 x 1370 mm, 410kg
power supply	AC 380V, 50Hz, three phases



Product details

Product details



Product details



▶ HST-QG4A

Manual Metallographic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-QG4A
Cutting table size section	210*180mm
Y-axis movement stroke	130mm
X-axis movement stroke	50mm
Rotating speed	2800r/min
Grinding wheel specifications	φ250*2*32mm
Cutting method	Manual *32mm
Cooling system	Water cooling 2 channels
Machine type	Vertical type
Input power	2.2KW
Dimensions	Machine size: 780*620*1370mm, 167KG Water tank size:470*370*300mm, 15KG
Package Size	Machine size: 900*700*1400mm,212KG Water tank size:540*460*460mm, 25KG



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- This machine adopts a double-shell fully enclosed structure and a quick clamping mechanism, which can ensure that the sample is cut in an absolutely safe state.
- The machine is equipped with front, rear, left and right carriages. The thickness of the sample can be adjusted arbitrarily, and the feed speed can be controlled.
- The machine is equipped with a strong cooling system, and the sample can be rotated arbitrarily during cutting, which can avoid micro-burns on the surface of the sample when it is cut and dropped.
- It can increase the cutting cross section, improve the utilization rate of the cutting wheel, and has the advantages of convenient operation, use and maintenance

► HST-LDQ110

Manual Type Metallographic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ110
Max. Cutting diameter	Ø110mm
Cutting-off wheel	350×2.5×32mm
Rotating speed	2300rpm
Cutting table size	400mm×320mm
Input Power	Input Power
Dimensions and Net weight	1050mm×1050mm×1660mm,400kg
power supply	three phases, 380V, 50Hz

◆ PRODUCT FEATURES

- Equipped with T-notch wide worktable. Special clamping means may be chosen for processing of large size specimen
- Distance between worktable and cutting disc: 150mm
- Equipped with 80L cooling liquid tank.
- Water-jet type cleaning function
- Independent illuminating system
- Imported advanced gate type safety switch



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

► HST-LDQ110A

Manual&automatic Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ110A
Max. Cutting diameter	Ø110mm
Cutting-off wheel	350×2.5×32mm
Rotating speed	2300rpm
Cutting table size	400mm×320mm
Motor power	4 KW
Dimensions and Net weight	1050mm×1050mm×1660mm,400kg
power supply	three phases, 380V, 50Hz



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- Three cutting type: Abrasive chop cutting, to-and-fro cutting, layer-to-layer cutting (for different materials, diameters and hardness)
- Max. moving capacity of Y-axis: 200mm
- High cutting accuracy, parallelism / planeness is within 0.1mm / 100mm
- Automatic on/off protective shield
- Stainless working table
- Water-jet type cleaning system
- Isolated lighting system
- Equipped with quick clamber
- HMI (Human Machine Interface) controlling

► HST-LDQ130A

Metallographic Sample Large Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ130A
Cutting method	Chop cutting, push cutting, sweeping cutting
Cutting speed	0.01-1mm/s (adjustment step is 0.01)
Reset mode	Automatic
Control system	Siemens PLC 7-inch touch LCD screen
Spindle speed	2800 rpm
Maximum stroke	Z axis 130mm; Y axis 200mm; X axis 100mm
Workbench size	128*320mm 180*320mm
Maximum passing diameter	φ 130mm
Cutting piece size	400*4*32mm
Cutting power	4KW
Power supply	380V/50Hz
Overall dimensions	1350*1100*1750mm (length × width × height)

◆ PRODUCT FEATURES

- This machine is automatically controlled by Siemens PLC. It uses the control system to drive the steps, stepper motor motion control, and automatic and precise control of the X, Y and Z directions. The cutting feed speed can be changed according to the hardness of the material to achieve the fastest cutting effect and is very reliable. sex and control.



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

▶ HST-LDQ140A

Automatic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ140A
Manual/automatic can be selected by oneself	Three axis linkage, 10 inch industrial touch screen control
Grinding wheel diameter	Ø400X3XØ32
Cutting feed speed	0-15 millimeters per minute (users can modify the set speed as needed)
Workbench dimensions	400x500 mm (mm) (x * y)
Maximum Y-axis travel distance	300 mm
Maximum Z-axis travel distance	180 mm
Maximum travel distance of X-axis	150mm
Maximum cutting diameter	140mm
Cooling water tank capacity	120L
Variable Frequency Motor	5.5kw, Rotational speed; 300-3000r/min RPM, power supply; 380V,50HZ
Overall dimensions	1300mm x 1300mm x 1850mm
Body form	vertical
weight	About1600kg
power supply	Three phase five wire 380V 50HZ: A, B, C, N
fixture	Opening 200mm

◆ PRODUCT FEATURES

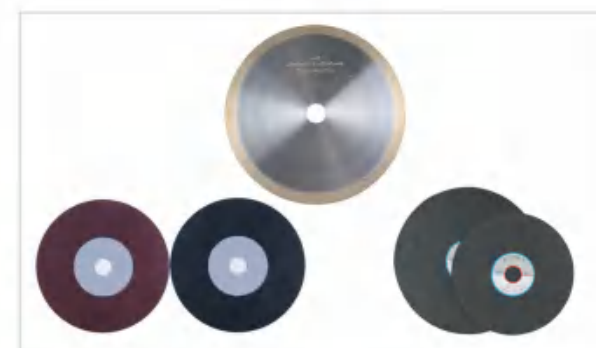
- Body form; Vertical. It mainly consists of an upper part (safety cover), a middle part (frame), a right sliding door, a side opening door, a lower frame (electrical box, toolbox), fixtures, flushing faucets, and a cooling water tank (independent).
- Adopting a variable frequency motor directly connected to the cutting blade, stepless speed regulation, simple design, sturdy structure, direct drive provides power transmission between the motor and the cutting blade, ensuring high efficiency, low noise, minimal maintenance, and longer service life.
- HST-LDQ140Z is designed specifically for high-capacity cutting of large workpieces, making it easier to maintain machine parts and handle large workpieces. Sliding doors and hinged doors provide you with more space and unrestricted access, making it easier to load large workpieces in the appropriate location. The workpiece can also be fed into the cutting chamber from the front, left, and right directions.



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

▶

HST-LDQ160A

Automatic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ160A
Organism form	floor-standing integrated
Cutting method	Flat-push cutting, intelligent chopping cutting, layered cutting
Feed method	Continuous feed, pulse feed, intelligent feed
Control System	7-inch color touchscreen, PLC control
Cut Blade Specifications	Ø450×3.5×Ø32mm
Cut Blade Rotation Speed	500-2800 rpm
Cut Feed Speed Range	0-3 mm/s (speed can be modified by the user as needed)
Table size	600×500 mm (including moving and fixed worktables)
X-axis maximum travel distance	100mm (Other sizes available upon request)
Y-axis maximum travel distance	300mm (Other sizes available upon request)
Z-axis maximum travel distance	220mm (Other sizes available upon request)
Maximum cutting diameter	Ø160mm
clamps	quick clamps
Cooling water tank capacity	100L
Defogger method	Oil mist separator
Dirty removal method	Magnetic separator
Lighting method	LED lighting
Lubrication method	automatic
Cutting motor	7.5Kw
Main power	10Kw
Power supply	380V,50Hz
Dimensions	1400mm*1600mm*1900mm
Weight	2200Kg

◆ PF

- Machine type: Vertical. Main components include an upper section (safety cover), middle section (frame), right sliding door, side door, lower frame (electrical box, toolbox), clamps, rinsing faucet, and independent cooling water tank.
- Equipped with a Mitsubishi programmable controller, offering extremely high reliability and powerful control capabilities.



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

►

HST-LDQ170Z

Automatic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ170Z
Manual/automatic can be selected by oneself	Three axis linkage, 10 inch industrial touch screen control
Grinding wheel diameter	Ø500X3.5XØ32
Cutting feed speed	0-15 millimeters per minute (users can modify the set speed as needed)
Workbench dimensions	550x650 mm (mm) (x * y)
Maximum Y-axis travel distance	400 mm
Maximum Z-axis travel distance	250 mm
Maximum travel distance of X-axis	260mm
Maximum cutting diameter	170mm
Cooling water tank capacity	120L
Variable Frequency Motor	11kw, Rotational speed; 100-3000r/min, power supply; 380V,50HZ
Overall dimensions	2000mm x 1480mm x 2200mm
Body form	vertical
weight	About2200kg
power supply	Three phase five wire 380V 50HZ: A, B, C, N
Manual/automatic can be selected by oneself	Three axis linkage, 10 inch industrial touch screen control



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- Adopting the world-renowned brand ABB variable frequency motor, stepless speed regulation, simple design, sturdy structure, direct drive provides power transmission between the motor and the cutting blade, ensuring high efficiency, low noise, minimal maintenance, and longer service life
- Body form; Vertical. It mainly consists of an upper part (safety cover), a middle part (frame), a right sliding door, a side opening door, a lower frame (electrical box, toolbox), fixtures, flushing faucets, and a cooling water tank (independent)..

▶ HST-LDQ220Z

Automatic Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-LDQ220Z
Manual/automatic can be selected by the user	Three-axis linkage, controlled by a 10-inch industrial touchscreen; also switchable to a handwheel control.
Grinding wheel diameter	Ø610X4XØ32
Cutting feed speed	0-15 mm/min (users can adjust the speed setting as needed)
Workbench size	700x800 mm (x*y)
Maximum travel distance on the Y-axis	750 (mm)
Maximum travel distance on the Z-axis	290 (mm)
Maximum travel distance on the X-axis	150 (mm)
Maximum cutting diameter	220 (mm)
Cooling water tank volume	250L
Variable frequency motor	15kW, speed: 100-3000r/min, power supply: 380V, 50HZ
Machine dimensions	1850x1600x1900 mm(L*W*H)
Organism form	Vertical
weight	About 2500 (kg)
power supply	Three phase five wire 380V 50HZ: A, B, C, N

◆ PRODUCT FEATURES

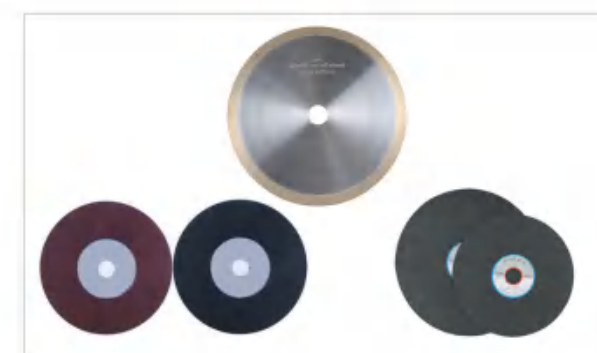
- Machine type: Vertical. Main components include an upper section (safety cover), middle section (frame), right sliding door, side door, lower frame (electrical box, toolbox), clamps, rinsing faucet, and independent cooling water tank.
- Equipped with a Mitsubishi programmable controller, offering extremely high reliability and powerful control capabilities.
- Designed specifically for high-capacity cutting of large workpieces, the HST-LDQ220A makes maintaining machine parts and handling large workpieces easier. Sliding and hinged doors provide more space and unrestricted access, making it easier to load large workpieces into suitable positions. Workpieces can also be fed into the cutting chamber from the top, front, and left.



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

► HST-DTQ5

Low Speed Precision Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Product name	HST-DTQ5
Mobile frame stroke	25mm
Positioning accuracy	0.01mm
Spindle revolutions	0-600rpm
Saw blade diameter	Ø100*0.3*12.7mm
Maximum cutting diameter	Ø30
Power	50W
Dimensions and Net weight	392*330*310mm,19.35kg
Package Size and Gross weight	650*530*540mm,33kg
Power supply	220V

◆ STANDARD CONFIGURATION

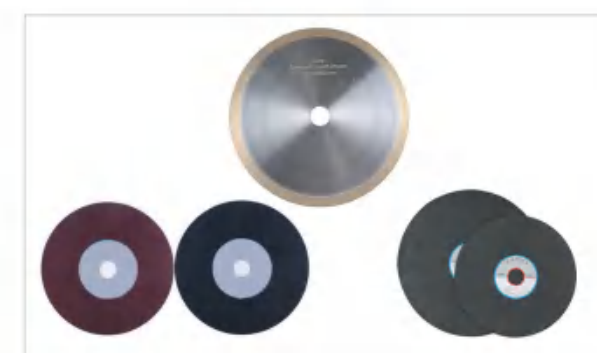
Name	Qty	Name	Qty
Low speed precision cutting machine	1 set	Diamond cutting disc(100*0.3*12.7mm)	1Pc
Wrench(17-19mm)	1Pc	Product Manual	1Sheet
Open end wrench(20mm)	1Pc	Product certification	1Sheet
Fixture	4Pcs		

◆ PRODUCT FEATURES

- CUT-5D Low speed precise specimen cutting machine is suitable for the precise cutting of various hard materials. It is especially suitable for the precise cutting of all kinds of small metal, non-metal pieces and various electronic components.
- This machine can be equipped with diamond saw blade and other resin blade so as to meet the demands of cutting of various specimens.
- Four specimen clamping grippers are equipped with this machine and it can realize the positioning cutting at best angle for the work pieces.
- It is equipped with positioning limit switch which can also help to realize work piece processing without being watched. The main shaft features high running speed and the horizontal feeding position of the work piece being processed can be adjusted precisely.
- It is the ideal metallographic specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges



Product details



Metallographic products



Metallographic consumables

► HST-ZDQ15

Medium and Low Speed Precision Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-ZDQ15
Cutting piece	Standard: 150x12.7x0.43mm (6inch)
Cutting positioning accuracy	0.01mm
Cooling device	Automatic circulation cooling of cutting fluid (the cutting blade drives water circulation cooling in the water tank)
Brushless DC motor	Power: 125W Speed: 0-1500rpm
Display	LED digital display
Emergency braking device	Emergency stop button
Dimensions and Weight	520*430*390mm,33kg
Packaging size and gross weight	720*610*560mm,61kg
Power supply	AC220V 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Cutting disc	1 pc	Power cable	1Pc
Single saddle clamp	1 set	Manual	1Sheet
Double saddle clamp	1 set	Certificate	1Sheet
Irregular fixture	1 set	Teardrop clamp	1 set
Mounting fixture	1 set	Flat clamp	1 set
Mounting fixture	1 set		



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- The operation panel is simple and intuitive.
- The enclosed transparent protective cover and safety switch provide protection for the operator.
- The counterweight sliding loading system makes the operation more convenient and flexible and can minimize sample damage.
- Closed-loop control cutting to prevent overload from burning out motors, circuits, etc.
- It can automatically stop when the sample cutting is completed.
- Using imported diamond has the best effect

► HST-GTQ5000B

High Speed Precision Metallographic Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-GTQ5000B
Maximum cutting diameter	Ø60mm
Max. Y-axis Travel	200mm
Max. Clamping length of worktable	150mm
Max. Clamping width of worktable	200mm
Cutting disc	200*0.9*32mm (100mm, 125mm, 150mm optional)
Spindle speed	500-5000rpm
Feed rate	0.01-5mm/s
Manual feed speed	0-30mm/s
Impact cutting distance	0.1-2mm
Servo motor	750w
Total power	1000W
Usage data	10 types can be stored
Water tank size and net weight	470*370*300mm,27kg
Water tank packaging size and gross weight	650*440.5*460mm,17kg
Dimensions and Net weight	750*860*430mm,97kg
Package Size and Gross weight	935*865*566,120.2kg
Power supply	AC220V 50HZ

◆ STANDARD CONFIGURATION

Item	Qty	Item	Qty
Open end wrench(17-19mm)	1 pc	Power cable(3*1.5)	1Pc
Monkey wrench(0-200mm)	1 pc	Cooling system (including water tank, water pump, water inlet pipe, drainage pipe)	1set
Cutting disc(Ø200 diamond stone)	1 pc	Hose clamp	4pcs
Allen wrench(5mm)	1 pc		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Equipped with quick clamping vice
- Built-in circulating cooling system

► HST-GTQ5000A

High Speed Precise Metallographic Sample Cutting Machine



◆ TECHNICAL PARAMETERS

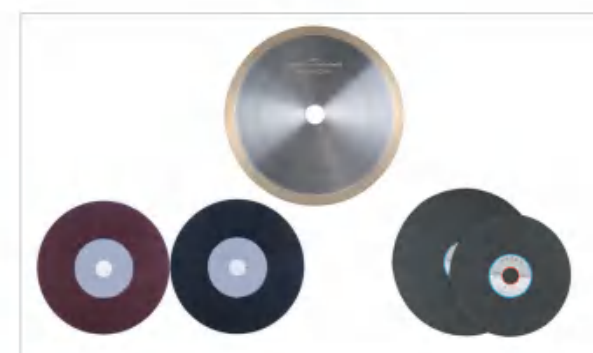
Model	HST-GTQ5000A
Feed Speed	0 ~ 1.5 mm/s (adjusted step length 0.01mm)
Spindle Speed	1950rpm
Maximum movement	Z 50mm Y 200mm X 50mm
Grinding Wheel Speed	300 ~ 5000 rpm
Cutting Sheet Size	Ø250×1.5×32mm
Cutting Power	1.5kW
Input power	1.8kW
Maximum cutting capacity	Φ80mm
Dimension and Net weight	1000* 1035* 1200 mm,210 kg
Power Supply	3-phase 220 V 50 Hz



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- CUT5000A 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.
- precise 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 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.
- 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 favorable for the cutting disc after a certain period of using. Therefore, it is an ideal equipment for the industrial and mining enterprises and the scientific research institutes

► HST-PBT200

Precision Metallographic Plate Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-PBT200
Diamond cutting blade	200 x 0.9 x 32mm
Y-axis travel	180mm
Cutting method	linear, pulse
Main shaft rotating speed	500-3000 rpm adjustable (or customized)
Automatic Cutting speed	0.01-3mm/s
Manual cutting speed	0.01-15mm/s
Impact cutting speed	0.1-2mm/s
Maximum cutting thickness	40mm
Maximum clamping length of worktable	415mm
Maximum clamping width of worktable	200mm
Display	5" touch screen, integrated control
Operation method data	10 groups
Worktable size	500 x 585mm
Motor power	600W
Dimensions and Net weight	Machine: 600*530*410mm,85 Kg Water tank: 470*370*300mm,17Kg
Packaging size and gross weight	Machine:810*730*540mm,101kg Water tank:540*460*460mm,25kg
Power supply	Single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Metallographic sample cutting machine	1Set	Grinding wheel(200*0.9*32)	1Pc
Product Manual	1Sheet	Wrench	1Pc
Product certification	1Sheet	Wrench	1Pc
Packing List	1Pc	Hex wrench	1Pc



Металлографическая продукция



Расходные материалы



Расходные материалы

◆ PRODUCT FEATURES

- The whole machine body is smooth, spacious and generous, providing a good working platform.
- It 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 easy to use.
- The machine is equipped with a variety of different fixtures, which can cut irregular shaped workpieces.

► HST-PBT200P

Precision Metallographic Plate Specimen Cutting Machine



◆ TECHNICAL PARAMETERS

Model	HST-PBT200P
Cutting capacity	Ø40mm
Cutting method	intermittent cutting, continuous cutting
Diamond cutting blade	Ø200×1.0×12.7mm (or provided by the product)
Cutting stroke	180mm
Spindle speed	50-2800rpm
Cutting speed	0.01-1mm per second
Moving speed	10mm per second, adjustable speed
Power	1000W
Dimensions and net weight	720*480*400mm,67kg
Packaging size and gross weight	860*600*560mm,90kg
Power supply	220V 50HZ

◆ STANDARD CONFIGURATION

Item	Qty	Item	Qty
Water tank and water pump	1	Cutting disc	1
Wrench	3	Power cord	1
Hose clamp	4	Quick clamp	1



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

◆ PRODUCT FEATURES

- HST PBT200P metallographic precision plate cutting machine is suitable for cutting samples of semiconductors, crystals, circuit boards, fasteners, metal materials, rocks and ceramics. It is a high-quality precision cutting machine suitable for scientific research institutions and enterprises.

HST-XQ2B

Manual Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Stepless speed regulation, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

◆ TECHNICAL PARAMETERS

Model	HST-XQ2B
Mould diameter	22mm or 30mm or 45mm
Temperature control range	Room temperature-300°C
Timer Range	0-30min
Total power	≤600W
Dimension and net Weight	265*260*425mm,32kg
Package Size and Gross Weight	460*370*550mm,40kg

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Thermocouple	1pc
Plastic spoon	1PC	Manual	1pc
Fuse	1PC	Certification	1pc



Product details



Metallographic products



Metallographic consumables

▶ HST-ZXQ2A

Automatic Metallographic Specimen Mounting Press



◆ TECHNICAL PARAMETERS

Model	HST-ZXQ2A
Mould diameter	22mm or 30mm or 45mm(Choose One)
Holding time range	0-99min
Heating temperature range	35~200℃
Cooling method	Water cooling
Total input power	950W
Dimension and net weight	485*457*435mm,51.8kg
Package Size and Gross Weight	610*546*687mm,64.5kg
Power supply	Single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Pipe hoop	2pc
Plastic spoon	1PC	Manual	1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	1PC		



Metallographic products



Metallographic sample hot Inlaid powder



Metallographic consumables

◆ PRODUCT FEATURES

- Electric loading of pressure
- Equipped with water cooling system
- Touch screen LCD operation

► HST-ZXQ4

Automatic Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Electric loading of pressure
- Equipped with water cooling system
- According to different requirements of the material, there are four kinds of moulds (Ø25mm, Ø30mm, Ø40mm, Ø50mm) that can be chosen to meet the demands at will.
- Equipped with middle mould. It is available to prepare two pieces of specimens at the same time, the capacity is doubled.

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ4
Diameter of specimen	Ø25mm, Ø30mm, Ø40mm and Ø50mm
Heating temperature range	35-200°C
Hold Time	1~99 min
Automatic cooling time	0~60 min
Cooling method	Water Cooling
Maximum Consumption	1650W
Dimension and Net Weight	625*583*565mm, 82kg
Package Size and Gross Weight	915*710*797mm, 105kg
Power supply	Single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Hexagonal wrench (M4)	1pc
Plastic spoon	1PC	Replaceable steel mold(φ25,φ30,φ40,φ50)	Each 1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	Each 1pc	Manual	1pc
Pipe hoop	2PC		



Metallographic products



Product details



Metallographic consumables

► HST-ZXQ5HY

Hydraulic Automatic Metallographic Specimen Mounting Press



◆ TECHNICAL PARAMETERS

Model	HST-ZXQ5HY
Diameter of specimen	Ø25mm, Ø30mm, Ø40mm and Ø50mm
Heating temperature range	35-200°C
Hold Time	1~99 min
Automatic cooling time	0~60 min
Cooling method	Water Cooling
Heater	1500W
Max. power consumption	1800W
Dimension and Net Weight	625*583*565mm, 82kg
Package Size and Gross Weight	915*710*797mm, 105kg
Power supply	Single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Hexagonal wrench (M4)	1pc
Plastic spoon	1PC	Replaceable steel mold(φ25,φ30,φ40,φ50)	Each 1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	Each 1pc	Manual	1pc
Pipe hoop	2PC		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Hydraulic loading of pressure
- Equipped with water cooling system
- According to different requirements of the material, there are four kinds of moulds (Ø25mm, Ø30mm, Ø40mm, Ø50mm) that can be chosen to meet the demands at will.
- Equipped with middle mould. It is available to prepare two pieces of specimens at the same time, the capacity is doubled.

▶ HST-ZXQ3

Automatic Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Specially designed mould locking cap
- Touch screen operation, automatic mounting process
- Equipped with water cooling system

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ3
The Sample Diameter	Ø22mm, Ø30mm, Ø40mm, Ø45mm (choose one, Two samples at a time)
Heater	1500W
Total power consumption	1700W
Heating temperature range	35~200
Cooling method	Water Cooling
Dimension and Net Weight	395*460*560mm, 50kg
Package Size and Gross Weight	610*495*670mm, 64kg
Power supply	single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Thermocouple	1pc
Plastic spoon	1PC	Water inlet pipe, Water outlet pipe	Each 1pc
Thermocouple	1PC	Manual	1pc
Pipe hoop	2PC	Certification	1pc



Metallographic products



Product details



Metallographic consumables

► HST-ZXQ3S

Double-station Automatic Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Specially designed mould locking cap
- Double working positions which increase the sample preparing capacity
- Touch screen operation, automatic mounting process
- Equipped with water cooling system

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ3S
Mould diameter	Ø22mm, Ø30mm, Ø40mm, Ø45mm (choose 2 types)
Heater	1500W*2
Total power consumption	3300W
Heating temperature range	35~200
Cooling method	Water Cooling
Keeping time range	1-99min
Cooling time range	0~60min
Dimension and Net Weight	677*490*545mm, 94.2kg
Package Size and Gross Weight	777*615*706mm, 111kg

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Pipe hoop	2pc
Plastic spoon	1PC	Certification	1pc
Thermocouple	1PC	Manual	1pc
Water inlet pipe, Water outlet pipe	1PC		



Product details

Metallographic products



Metallographic consumables



▶ HST-ZXQ6P

Full Automatic Metallographic Specimen Pneumatic Mounting Press



◆ PRODUCT FEATURES

- Simple structure, quick sample preparation
- Pneumatic pressure applying & releasing
- Automatic sample preparing, automatic sample pushing out

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ6P
Mould diameter	Ø22mm, or Ø30mm, or Ø45mm (choose one mould)
Heater	1200W
Sample preparing time	10-15 minutes
Temperature setting range	0-200℃
Cooling temperature range	0-999min
Constant temperature time	0-99min
Air pressure requirement	0.4-0.7Mpa
Total power supply	1000W
Cooling method	Water cooling
Dimension and Net Weight	435×520×605mm, 77kg
Power supply	single phase, 220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Pipe hoop	2pc
Plastic spoon	1PC	Filter	1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	Each 1pc	Manual	1pc



Metallographic products



Metallographic consumables



Metallographic consumables

► HST-ZXQ5Y

Automatic Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Quick sample preparation within 5 minutes
- 10 groups of data storage
- Electro-hydraulic pressure loading method

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ5Y
The Sample Diameter	Ø22mm or Ø25mm or Ø30mm or Ø40mm or Ø45mm(choose 1)
Sample preparation pressure	0-10MPa
Sample preparing time	5-6min
Temperature adjusting range	10-300 °C
Cooling method	Water Cooling
Data storage	10 groups
Heater	1600W (22mm, 30mm), 2000W (45mm)
Dimension and Net Weight	435*610*430mm, 52kgs
Package Size and Gross Weight	715*530*585mm, 64kgs
Power Supply	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Pipe hoop	2pc
Plastic spoon	1PC	Filter	1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	Each 1pc	Manual	1pc



Product details



Metallographic products



Metallographic consumables

► HST-ZXQ5YS

Hydraulic Automatic Metallographic Specimen Mounting Press



◆ PRODUCT FEATURES

- Quick sample preparation within 5 minutes
- 10 groups of data storage
- Electro-hydraulic pressure loading method

◆ TECHNICAL PARAMETERS

Model	HST-ZXQ5YS
The Sample Diameter	Ø22mm or Ø25mm or Ø30mm or Ø40mm or Ø45mm(choose 1)
Sample preparation pressure	0-10MPa
Sample preparing time	5-6min
Sample preparation temperature	35~300℃
Cooling method	Water Cooling
Maximum Consumption	1600W (22mm, 30mm), 2000W (45mm)
Dimension and Net Weight	650*700*500mm, 100kg
Package Size and Net Weight	835*715*560mm, 111.5kg
Power Supply	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic Specimen Mounting Press	1Set	Pipe hoop	2pc
Plastic spoon	1PC	Filter	1pc
Thermocouple	1PC	Certification	1pc
Water inlet pipe, Water outlet pipe	Each 1pc	Manual	1pc



Product details



Metallographic products



Metallographic consumables

► HST ZXQ-1T

Fully Automatic Metallographic Mounting Machine



◆ TECHNICAL PARAMETERS

Model	HST ZXQ-1T
Mold Specifications	Standard Ø30 (optional: Ø22, Ø45), custom sizes available
Effective Mold Depth	35mm
Heating Power	1000W
Force Application Method	Automatic mechanical pressurization
Temperature Setting Range	0-190°C
Hot-Sink Setting Range	0-99 minutes
Cooling Setting Range	Automatic water cooling
Cooling Method	Thermosetting
Suitable Inlay Materials	100 sets
Total Power	1200W
Dimensions and Weight	340*500*450mm, 50kg
Package size and Gross weight	550*550*500mm, 55kg
Power Supply	220V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Ø30 mold assembly	1	Water inlet pipe	1
Inlay material (black)	1	Water outlet pipe	1
Feeding spoon	1	Technical documents	1
Funnel	1		



Product details



Metallographic products



Metallographic consumables

◆ PRODUCT FEATURES

- The METPRESS-1T fully automatic metallographic specimen mounting machine is used to mount small, irregularly shaped, and difficult-to-handle specimens using thermosetting materials. This process is an essential pre-process for polishing and grinding. Mounting uniformly stabilizes the specimen's dimensions, making it easier to handle or for subsequent fully automatic polishing and grinding (it can be used in conjunction with our automatic polishing machine for even better results). It is particularly suitable for specimens requiring edge protection or for automated polishing, where mounting is an essential process. It is an excellent choice for metallographic specimen mounting in metallographic laboratories in factories, universities, colleges, and research institutes.

► HST-P1

Manual Metallographic Specimen Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-P1
Disc diameter	Ø203mm
Number of grinding and polishing discs	Single disk
Rotating speed	1400 rpm (can be customized to 900 rpm)
Power supply	180W
Dimensions and Net weight	380*490*350mm,11kg
Package Size and Gross weight	575*465*540mm,22.15kg
Power supply	220V,50HZ, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Product Manual	1
Dust cover	1	Product certification	1
Polished velvet cloth Ø203mm	2	Aluminum mouth ring Ø203mm	1
Drain pipe	1		



Product dimensions

Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

HST-P2

Metallographic Specimen Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-P2
Polishing disc diameter	Ø203mm
Structure	Double disk
Rotating speed	1400rpm (900rpm could be customized)
Motor	180w *2
Dimensions and Net weight	900*480*1027mm,26kg
Package size and Gross weight	1006*565*462mm,41kg
Power supply	AC380v,50Hz,3P

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Polishing machine working platform	1	Standard accessories	1
Outrigger	2	Dust cover	1
Outrigger beam Ø203mm	1	Flannel Ø203mm	2
Product Manual	1	Selling Ø203mm	2
Product certification	1	Buckle Ø203mm	2



Product details

Metallographic products



Metallographic consumables



◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-P2T

Metallographic Specimen Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-P2T
Polishing disc diameter	Ø203mm
Structure	Double disk
Rotating speed	1400rpm (900rpm could be customized)
Motor	180w *2
Dimensions and Net weight	705*485*335mm,21.6kg
Package size and Gross weight	833*618*494mm,35.5kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Drain pipe	1
Dust cover	1	Water inlet pipe	1
Polished velvet cloth Ø203mm	2	Product Manual	1
Dust cover	2	Product certification	1



Product Display



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-P2G

Metallographic Specimen Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-P2G
Polishing disc diameter	Ø203mm
Structure	Double disk
Rotating speed	1400rpm (900rpm could be customized)
Motor	180w *2
Dimensions and Net weight	775*475*952mm,58.9kg
Package size and Gross weight	965*550*1148mm,83.1kg
Voltage	220V, 50HZ, 1 phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Product Manual	1
Dust cover	1	Product certification	1
Polished velvet cloth Ø203mm	2	Water retaining ring	2
Dust cover	2	Cover button	2
Drain pipe	2	Adjustment screw	4
Water inlet pipe	1		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-M1

Metallographic Specimen Pre-grinding Machine



◆ TECHNICAL PARAMETERS

Model	HST-M1
Pre-grinding disc	Ø230mm
Number of grinding and polishing discs	Single disk
Rotating speed	900rpm
Motor	90W
Dimensions and Net weight	380*490*350mm,11kg
Package size and Gross weight	575*465*540mm,25kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Water inlet pipe	1
Dust cover	1	Product Manual	1
Metallographic sand paper Ø230mm	2	Product certification	1
Drain pipe	1		



Product dimensions

Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

HST-M2

Metallographic Specimen Pre-grinding Machine



◆ TECHNICAL PARAMETERS

Model	HST-M2
Grinding disc diameter	Ø230mm
Structure	Double disk
Rotating speed	450rpm
Motor	370W
Dimensions and Net weight	712**660*330mm,45kg
Package size and Gross weight	758*776*421mm,58kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Grinding disc Ø230	2
Product Manual	1	Water inlet pipe	1
Product certification	1	Drain pipe	1
Standard accessories	1	Water retaining ring	1
Metallographic sand paper Ø200	2		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-MP2

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MP2
Polishing disc diameter	Ø203mm (Ø230mm/Ø250mm customized)
Structure	Double disk
Rotating speed	Grinding disc rotating speed:450 rpm;Polishing disc rotating speed:600 rpm
Motor	370W
Dimensions and Net weight	566*712*270mm,42.5kg
Package size and Gross weight	758*776*421mm,55.85kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Polishing disc Ø203	1
Product Manual	1	Grinding disc Ø230	1
Product certification	1	Aluminum buckle ring Ø203	1
Standard accessories	1	Water inlet pipe	1
Polished fabric Ø200	2	Water retaining ring	1
Sandpaper Ø200	2		



Grinding and polishing machine

◆ PRODUCT FEATURES

- 450 rpm/600 rpm, speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

Product details



Metallographic consumables

► HST-MP2B

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MP2B
Grinding Disc Diameter	203mm (customizable Ø230, Ø250)
Structure	Double disk
Grinding Disc Rotating Speed	50-1000rpm(stepless speed)
Motor	550 W
Dimensions and Net weight	566*712*270mm,40kg
Package size and Gross weight	758*776*421mm,53kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Grinding and polishing machine	1	Aluminum buckle ring Ø200	1
Product Manual	1	Polishing disc Ø200	1
Product certification	1	Grinding disc Ø200	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø200	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Grinding and polishing machine

◆ PRODUCT FEATURES

- Stepless speed regulation, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

Product details



Metallographic consumables

► HST-MP2BT

Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Speed between 50-1200 rpm and six levels of customization, making the machine more widely applicable.
- Touch screen operation, simple operation
- Real-time display of grinding and polishing disc speed
- Finely ground and surface-treated work disc to ensure smooth sample surface

◆ TECHNICAL PARAMETERS

Model	HST-MP2BT
Grinding Disc Diameter	203mm (customizable Ø230,Ø250)
Structure	Double disk
Rotating speed	Stepless speed: 50-1200 rpm, Six-level fixed speed: 150 rpm, 300 rpm, 450 rpm, 600 rpm, 900 rpm, 1200 rpm
Motor	550 W
Dimensions and Net weight	566*712*270mm, 40kg
Package size and Gross weight	758*776*421mm, 53kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Host	1	Grinding and polishing disc(Installed on host)	2
Product Manual	1	Water inlet pipe	1
Product certification	1	Drain pipe	1
Standard accessories	1	Power cable	1
Metallographic sand paper and polishing cloth Ø200mm	Each 2	Anchor screw	4



Product details



Metallographic products



Metallographic consumables

► HST-MP1B

Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Stepless speed regulation, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs, LED digital display speed, simple operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

◆ TECHNICAL PARAMETERS

Model	HST-MP1B
Polishing disc diameter	Ø203mm (Ø230mm customized)
Number of grinding and polishing discs	Single disk
Rotating speed	50-1000rpm
Motor	180W
Dimensions and Net weight	380*520*420mm, 15kg
Package size and Gross weight	465*575*538mm, 24.1kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Plastic steel buckle(Ø203)	1
Product Manual	1	Polishing disc(Ø203)	1
Product certification	1	Water inlet pipe	1
Standard accessories	1	Drain pipe	1
Polished flannel (Ø203)	2		



Metallographic products



Product details



Metallographic consumables

HST-MP1C

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MP1C
Polishing disc diameter	Ø203mm (Ø230mm/Ø250mm customized)
Number of grinding and polishing discs	Single disk
Rotating speed	50-1000rpm
Motor	550W
Dimensions and Net weight	450*770*390mm,35kg
Package size and Gross weight	530*915*490mm,47kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Plastic steel buckle(Ø203)	1
Product Manual	1	Polishing disc(Ø203)	1
Product certification	1	Water inlet pipe	1
Standard accessories	1	Drain pipe	1
Polished flannel (Ø203)	2		

◆ PRODUCT FEATURES

- Stepless speed regulation, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs, LED digital display speed, simple operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.



Product details



Metallographic products



Metallographic consumables

► HST-MoPao1T

Metallographic Specimen Grinding&Polishing Machine



◆ PRODUCT FEATURES

- Touch type LCD screen operation. Rotating speed is displayed on LCD directly.
- Grinding and polishing time is adjustable from 0 to 1000 seconds
- There are two working conditions for this model: the stepless speed changing status or four-level constant speed status. The working condition can be switched from one to another easily.
- The rotating direction of working disc can be chosen at will.
- Four-level constant speed: 150, 300, 600, 800 rpm.
- Stepless speed changing from 50 to 1000 rpm.
- This model is designed and manufactured as per international advanced specimen preparing technology.
- Equipped with beautiful appearance machine shell and stainless steel parts which never rust.

◆ TECHNICAL PARAMETERS

Model	HST-MOPAO1T
Polishing disc diameter	Ø203mm(Ø250mm customized)
Number of grinding and polishing discs	Single disk
Control mode	Single disk / single control
Rotating speed	50-1000 rpm (stepless speed changing) or 150 / 300 / 600 / 800 rpm (four-level constant speed)
Motor	550W
Dimensions and Net weight	450*770*390mm,35kg
Package size and Gross weight	530*915*490mm,47kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Plastic steel buckle(Ø203)	1
Product Manual	1	Polishing disc(Ø203)	1
Product certification	1	Water inlet pipe	1
Standard accessories	1	Drain pipe	1
Polishing cloth&sandpaper	2		



Metallographic products

product interface



Metallographic consumables



► HST-MoPao160

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

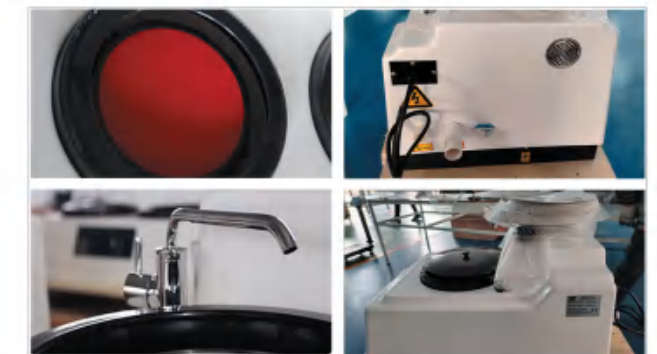
Model	HST-MOPAO160
Polishing disc diameter	Ø203mm (Ø230mm/Ø250mm customized)
Number of grinding and polishing discs	Single disk
Rotating speed	300rpm, 600rpm
Motor	550W
Dimensions and Net weight	450*770*390mm,35kg
Package size and Gross weight	530*915*490mm,49.2kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Sandpaper (Ø203)	2
Product Manual	1	Polishing disc (Ø203)	1
Product certification	1	Plastic buckle	1
Standard accessories	1	Water inlet pipe	1
Polished fabric (Ø203)	2	Water retaining ring	1



Metallographic products



◆ PRODUCT FEATURES

- Two-level fixed speed, speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

Product details



Metallographic consumables

► HST-MoPao160E

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO160E
Polishing disc diameter	Ø203mm (Ø230mm/Ø250mm customized)
Number of grinding and polishing discs	Single disk
Rotating speed	50-600rpm or 150rpm/300rpm
Motor	550W
Dimensions and Net weight	450*770*390mm,35kg
Package size and Gross weight	530*915*490mm,49.2kg
Voltage	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample polishing machine	1	Sandpaper (Ø203)	2
Product Manual	1	Polishing disc (Ø203)	1
Product certification	1	Plastic buckle Ø203	1
Standard accessories	1	Water inlet pipe	1
Polished fabric (Ø203)	2	Water retaining ring	1



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Stepless speed changing of 50-600 rpm, and two level constant speed of 150 and 300 rpm
- CCW and CW rotating direction control
- Quick exchanging disc. The working disc can be changed and replaced swiftly.

► HST-MoPao160ET

Metallographic Specimen Grinding&Polishing Machine



◆ PRODUCT FEATURES

- Two rotating speeds, 50-1200 rpm(step-less speed changing) Or 150/300/450/600/900/1200 rpm(six-level constant speed) can rotate clockwise or counter-clockwise
- Touch screen operation, simple operation
- Real-time display of grinding and polishing disc speed

◆ TECHNICAL PARAMETERS

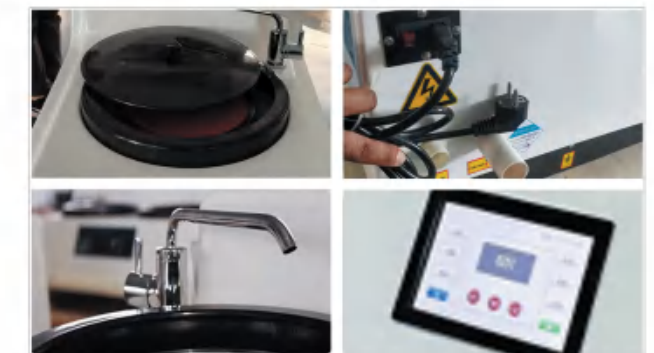
Model	HST-MOPAO160ET
Polishing disc diameter	Ø203mm (Ø230mm/Ø250mm customized)
Number of grinding and polishing discs	Single disk
Rotating speed	50-1200 rpm(step-less speed changing) Or 150/300/450/600/900/1200 rpm(six-level constant speed)
Diameter of abrasive paper	Ø200mm (250mm can be customized)
Dimensions and Net weight	750*500*350mm,40kg
Package size and Gross weight	790X550X440mm,53kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Main Machine	1 PC	Inlet Pipe	1 PC
Grinding & Polishing Disc	1 PC	Outlet Pipe	1 PC
Abrasive Paper 200mm	1 PC	Foundation Screw	4 PCS
Polishing Cloth (velvet) 200mm	1 PC	Power Cable	1 PC



Metallographic products



Product details



Metallographic consumables

► HST-MoPao260

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO260
Grinding Disc Diameter	Ø203mm (Ø230mm/Ø250mm customized)
Structure	Double disk
Grinding Disc Rotating Speed	300rpm/600rpm
Motor	550 W
Dimensions and Net weight	566*712*270mm,42kg
Package size and Gross weight	758*776*421mm,53kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Grinding and polishing machine	1	Aluminum buckle ring Ø203	1
Product Manual	1	Polishing disc Ø203	1
Product certification	1	Grinding disc Ø203	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø203	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Two-level fixed speed, speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-MoPao260E

Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Stepless speed regulation, two-level fixed speed, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

◆ TECHNICAL PARAMETERS

Model	HST-MOPAO260E
Grinding Disc Diameter	Ø203mm (Ø230mm/Ø250mm customized)
Structure	Double disk
Grinding Disc Rotating Speed	50-600 rpm, 150rpm/300 rpm
Motor	550 W
Dimensions and Net weight	710*680*330mm,45kg
Package size and Gross weight	758*776*421mm,53kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Aluminum buckle ring Ø203	1
Product Manual	1	Polishing disc Ø203	1
Product certification	1	Grinding disc Ø203	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø203	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Metallographic products



Product details



Metallographic consumables

HST-MP2C

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MP2C
Grinding Disc Diameter	Ø203mm (Ø230mm/Ø250mm customized)
Control mode	Dual discs and dual controls
Grinding Disc Rotating Speed	50-1000rpm(stepless speed)
Motor	550 W
Dimensions and Net weight	710*680*330mm,50kg
Package size and Gross weight	758*776*421mm,64kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Grinding and polishing machine	1	Aluminum buckle ring Ø200	1
Product Manual	1	Polishing disc Ø200	1
Product certification	1	Grinding disc Ø200	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø200	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Double discs and dual controls, stepless speed regulation, speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

► HST-MoPao2D

Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Double discs and dual controls, 300/600 rpm, speed control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

◆ TECHNICAL PARAMETERS

Model	HST-MOPAO2D
Grinding Disc Diameter	203mm (customizable Ø230, Ø250)
Control mode	Dual discs and dual controls
Grinding Disc Rotating Speed	300rpm/600 rpm
Motor	550 W
Dimensions and Net weight	710*680*330mm, 50kg
Package size and Gross weight	758*776*421mm, 64kg
Power supply	Single-phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Aluminum buckle ring Ø203	1
Product Manual	1	Polishing disc Ø203	1
Product certification	1	Grinding disc Ø203	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø203	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Metallographic products



Product details



Metallographic consumables

► HST-MoPao 2DE

Metallographic Specimen Grinding&Polishing Machine



◆ PRODUCT FEATURES

- Double discs and dual controls
- Easy-to-operate switches and knobs for easy operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- Integrated high-strength ABS material shell, sturdy and durable.

◆ TECHNICAL PARAMETERS

Model	HST-MOPAO 2DE
Grinding Disc Diameter	203mm (customizable Ø230,Ø250)
Control mode	Dual discs and dual controls
Rotating Speed	50-1000 rpm (stepless speed changing),and 150 / 300 rpm (two-level constant speed)
Working disc rotation direction	Clockwise and counter clockwise
Motor	550W*2
Dimensions and Net weight	566*712*270mm,50kg
Package size and Gross Weight	758*776*421mm,64kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Aluminum buckle ring Ø203	1
Product Manual	1	Polishing disc Ø203	1
Product certification	1	Grinding disc Ø203	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth Ø203	2	Drainage pipe	1
Metallographic sand paper Ø200	2		



Metallographic products

Product details



Metallographic consumables

► HST-MoPao2T

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO2T
Grinding Disc Diameter	203mm (customizable Ø230,Ø250)
Rotating Speed	50-1000 rpm (stepless speed changing),or 150 / 300 / 600 / 800 rpm (four-level constant speed)
Diameter of working disc	200mm / 250mm
Motor	550W*2
Dimensions and Net weight	870*760*370mm,45kg
Package size and Gross Weight	980*920*470mm,84.8kg
Power supply	Single-phase 220V,50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Aluminum buckle ring	1
Product Manual	1	Polishing disc	1
Product certification	1	Grinding disc	1
Standard accessories	1	Inlet pipe	1
Polished velvet cloth	2	Drainage pipe	1
Metallographic sand paper	2		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Touch type LCD screen operation. Rotating speed is displayed on LCD directly.
- Grinding and polishing time is adjustable from 0 to 1000 seconds
- There are two working conditions for this model:
the stepless speed changing status or four-level constant speed status.
The working condition can be switched from one to another easily.
- The rotating direction of working disc can be chosen at will.
- Four-level constant speed: 150, 300, 600, 800 rpm.
- Stepless speed changing from 50 to 1000 rpm.
- This model is designed and manufactured as per international advanced specimen preparing technology.
- Equipped with beautiful appearance machine shell and stainless steel parts which never rust.

HST-MoPao3T

Automatic Metallographic Specimen Grinding Polishing Machine

www.ydjtest.com



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO3T
Grinding Disc Diameter	Ø250 (203mm or 300mm is optional)
Rotating speed of working disc	stepless speed changing 50-1000 rpm, and four-level constant speeds of 400 / 600 / 800 / 1000 rpm
Rotating speed of polishing head	stepless speed changing 5-150 rpm (5-200rpm optional)
Sample holder	Ø30mm, 4-hole (or 6 optional)
Loading force range	5-60N
Sample preparation time	0-3000S
Total power	900W
Dimensions and Net weight	455*785*700mm,69.5kg
Package Size and Gross weight	950*680*870mm,90.8kg
Power supply	Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Drainage pipe	1
Product Manual	1	Inlet pipe	1
Product certification	1	Pressure resistant tube Ø8	1
Standard accessories	1	Oil and water separator	1
Polished velvet cloth Ø250	2	Magnetic Disk	1
Metallographic sand paper Ø250	2	Anti-stick disc	3
Aluminum buckle ring Ø250	1	Leveling the feet	4
Grinding and Polishing disc Ø250	1		



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Both grinding disc and polishing head adopt stepless speed control, and the rotating direction of grinding disc can be shifted.
- Pneumatic single point loading, fix the sample and then it can complete the whole process of grinding and polishing, and this can ensure the plane parallelism of sample.
- Working time and rotating speed presetting
- Quick exchanging disc. The working disc can be changed and replaced swiftly.
- Equipped with magnetic disc and anti-sticky disc which is very convenient for quick changing of abrasive paper and polishing cloth.

HST-MoPao3ST

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO3ST
Grinding Disc Diameter	Ø250 (203mm or 300mm is optional)
Rotating speed of working disc	stepless speed changing 50-1000 rpm, and four-level constant speeds of 400 / 600 / 800 / 1000 rpm
Rotating speed of polishing head	stepless speed changing 5-150 rpm (5-200rpm optional)
Sample holder	Ø30mm, 6-hole (or customized)
Loading force range	5-60N
Sample preparation time	0-3000S
Total power	900W
Dimensions and Net weight	790*740*700mm, 89.6kg
Package Size and Gross weight	920*820*840mm, 113.5kg
Power supply	Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Inlet pipe	1
Product Manual/Product certification/Standard accessories	1	Pressure resistant tube Ø8*3000mm	1
Polished velvet cloth Ø250	2	Oil and water separator	1
Metallographic sand paper Ø250	8	Magnetic Disk	2
Aluminum buckle ring Ø250	2	Anti-stick disc	5
Grinding and Polishing disc Ø250	2	Leveling the feet	4
Drainage pipe	1	Power Cable	1



Metallographic products



Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Six pieces Ø30mm samples can be grinded and polished simultaneously.
- Both grinding disc and polishing head adopt stepless speed control, and the rotating direction of grinding disc can be shifted.
- Pneumatic single point loading, fix the sample and then it can complete the whole process of grinding and polishing, and this can ensure the plane parallelism of sample.
- Working time and rotating speed presetting
- Quick exchanging disc. The working disc can be changed and replaced swiftly.

HST-MoPao4T

Mopao4 Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Electronic lock head
- Pneumatic version automatic grinding head
- Integral moulding of high-strength FRP material shell, sturdy and durable, never rusty.
- The faucet adopts copper material, which has good corrosion resistance
- Stepless speed design, low noise, stable working performance.
- Can meet meet a variety of needs.
- With water cooling system

◆ TECHNICAL PARAMETERS

Model	HST-MOPAO4T
Grinding Disc Diameter	Ø250mm (Ø230mm, Ø300mm can be customized)
Grinding and polishing disc speed	50-1000 rpm (stepless speed regulation) and 300/600/900 rpm (3-level fixed speed)
Grinding and polishing disc steering	adjustable forward and reverse selection
Grinding and polishing head speed	5-150 rpm (stepless speed regulation)
Number of prepared samples	4 pcs
Input air source	0.4-0.7Mpa
Sample preparation pressure	20-70N single point and 0-300N center.
Sample preparation time	0-3000S
Sample diameter	Standard Ø30mm (can be customized with diameters Ø22-Ø45mm)
Dimensions and net weight	550*760*640mm, 60kg
Package Size and Gross weight	870*640*770mm, 82kg
Power supply	1.1KW, Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Oil and water separator	1
Product Manual/Product certification/Standard accessories	1	Magnetic Disk	1
Polished velvet cloth Ø250	2	Anti-stick disc	3
Metallographic sand paper Ø250	1	Leveling the feet	4
Aluminum buckle ring Ø250	1	Power cable	1
Grinding and Polishing disc Ø250	1	Dust cover	2
Drainage pipe	1	Single point clamping disc	1
Inlet pipe	1	Water retaining ring	2
Pressure resistant tube Ø8*3000mm	1		



Metallographic products



Product details



Metallographic consumables

HST-MoPao4ST

Metallographic Specimen Grinding and Polishing Machine



◆ PRODUCT FEATURES

- Electronic lock head
- Pneumatic version automatic grinding head
- Integral moulding of high-strength FRP material shell, sturdy and durable, never rusty.
- The faucet adopts copper material, which has good corrosion resistance
- Stepless speed design, low noise, stable working performance.
- Can meet a variety of needs.
- With water cooling system

◆ TECHNICAL PARAMETERS

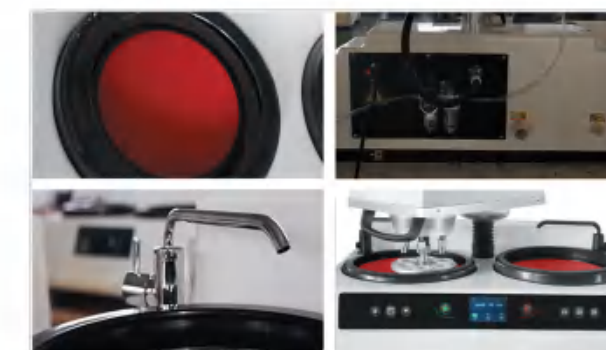
Model	HST-MOPAO4ST
Grinding Disc Diameter	Ø250mm (Ø230mm, Ø300mm can be customized)
Grinding and polishing disc speed	50-1000 rpm (stepless speed regulation) and 300/600/900 rpm (3-level fixed speed)
Grinding and polishing disc steering	adjustable forward and reverse selection
Grinding and polishing head speed	5-150 rpm (stepless speed regulation)
Number of prepared samples	6 pcs
Input air source	0.4-0.7Mpa
Sample preparation pressure	20-70N single point and 0-300N center.
Sample preparation time	0-3000S
Sample diameter	standard Ø30mm (can be customized with diameters Ø22-Ø45mm)
Dimensions and net weight	735*570*590mm, 100kg
Package Size and Gross weight	860*750*755mm, 120kg
Power supply	1.1KW, Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Oil and water separator	4
Product Manual/Product certification/Standard accessories	1	Magnetic Disk	2
Polished velvet cloth Ø250	2	Anti-stick disc	5
Metallographic sand paper Ø250	8	Leveling the feet	4
Aluminum buckle ring Ø250	2	Power cable	1
Grinding and Polishing disc Ø250	2	Dust cover	2
Drainage pipe	1	Single point clamping disc	1
Inlet pipe	1	Water retaining ring	2
Pressure resistant tube	1		



Metallographic products



Product details



Metallographic consumables

HST-MoPao5T

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO5T
Grinding Disc Diameter	Ø250mm (Ø230mm, Ø300mm can be customized)
Grinding and polishing disc speed	50-1000 rpm (stepless speed regulation) and 300/600/900 rpm (3-level fixed speed)
Grinding and polishing disc steering	adjustable forward and reverse selection
Grinding and polishing head speed	5-150 rpm (stepless speed regulation)
Number of prepared samples	6 pcs
Loading range	Single point 20-70N, center 150-300N
Sample preparation time	0-3000S
Sample diameter	standard Ø30mm (can be customized with diameters Ø22- Ø45 mm)
Dimensions and net weight	750*590*720mm, 62kg
Packing Dimensions and gross weight	870*640*770mm, 82kg
Power supply	1.1KW, Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Metallographic sample grinding and polishing machine	1	Oil and water separator	1
Product Manual/Product certification/Standard accessories	1	Magnetic Disk	1
Polished velvet cloth Ø250	2	Anti-stick disc	3
Metallographic sand paper Ø250	8	Leveling the feet	4
Aluminum buckle ring Ø250	1	Power cable	1
Grinding and Polishing disc Ø250	1	Dust cover	1
Drainage pipe	1	Single point clamping disc	1
Inlet pipe	1	Center blessing disk installation disk	1
Pressure resistant tube Ø8*3000mm	1	Water retaining ring	1



Metallographic products

Product details



Metallographic consumables



◆ PRODUCT FEATURES

- Electronic lock head, press one key can lock the head, easy operation;
- Pneumatic version automatic grinding head, one time can process 6 pieces of samples.
- Integral moulding of high-strength FRP material shell, sturdy and durable, never rusty.
- The faucet adopts copper material, which has good corrosion resistance
- Stepless speed design, low noise, stable working performance.
- Can meet meet a variety of needs.
- With water cooling system

► HST-MoPao5ST

Metallographic Specimen Grinding and Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO5ST
Grinding Disc Diameter	Ø250mm (Ø230mm, Ø300mm can be customized)
Grinding and polishing disc speed	50-1000 rpm (stepless speed regulation) and 300 / 600 / 900 rpm (3-level fixed speed)
Grinding and polishing disc steering	adjustable forward and reverse selection
Grinding and polishing head speed	5-150 rpm (stepless speed regulation)
Number of prepared samples	6 pcs
Loading range	Single point: 20-70N, center: 150-300N
Sample preparation time	0-3000S
Sample diameter	Factory standard Ø30mm (can be customized with diameters Ø22-Ø45mm)
Total power	1100W
Machine Dimensions and Net weight	735*790*720mm, 90kg
Packing Dimensions and Gross weight	935*865*540mm, 102kg
Power supply	Single phase 220V, 50HZ

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Grinding and polishing machine	1	Inlet pipe	1
Product Manual/Product certification/Standard accessories	1	Pressure resistant tube Ø8*3000mm	1
Polished velvet cloth Ø250	2	Oil and water separator	1
Metallographic sand paper Ø250	8	Magnetic Disk	2
Aluminum buckle ring Ø250	2	Anti-stick disc	5
Grinding and Polishing disc Ø250	2	Leveling the feet	4
Drainage pipe	1	Power cable	1
Dust cover	2		



Metallographic products



Metallographic consumables



Metallographic consumables

◆ PRODUCT FEATURES

- Electronic lock head, press one key can lock the head, easy operation;
- Pneumatic version automatic grinding head, one time can process 6 pieces of samples.
- Integral moulding of high-strength FRP material shell, sturdy and durable, never rusty.
- The faucet adopts copper material, which has good corrosion resistance
- Stepless speed design, low noise, stable working performance.
- Can meet meet a variety of needs.
- With water cooling system

► HST-MPT

Semi-automatic Metallographic Grinding Polishing Head



◆ TECHNICAL PARAMETERS

Model	HST-MPT
Rotate Speed	50 rpm
Sample Force	0~40N
Sample Capacity	1~3 PIECES
Dimension and Weight	183*209*252mm, 13kg
Packing size and Gross weight	400*300*550mm, 18kg
Power Supply	Single phase, 220V, 50Hz or three phases, 380V, 50HZ



Metallographic products

Product details



Metallographic consumables



◆ PRODUCT FEATURES

- MPT polishing and grinding head is designed according to investigation and researches on the market and customers' requirements. MPT can prepare one, two or three samples at one time. It can be fixed onto many models of polishing and grinding machines produced by us, It is easy-to-use, and the quality of finished sample is high. MPT is an ideal option for the lab of factories, science and research institutions and universities, which can prepare sample by unmanned operation and increase the efficiency.

► HST-MPS

Semi-Automatic Metallographic Grinding Polishing Head



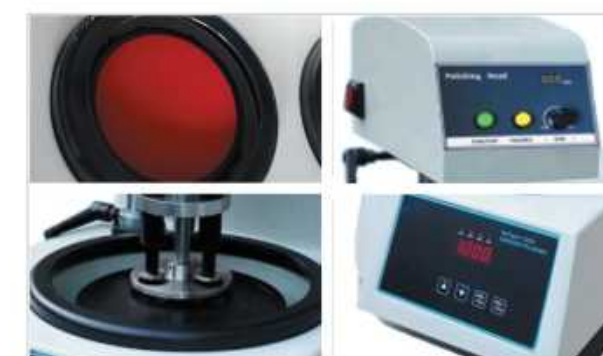
◆ TECHNICAL PARAMETERS

Model	HST-MPS
Rotate Speed	50-200 rpm
Sample Force	0~40N
Sample Capacity	1~3 PIECES
Dimension and Weight	183*209*252mm, 13kg
Packing size and Gross weight	400*300*550mm, 18kg
Power Supply	Single phase, 220V, 50Hz or three phases, 380V, 50HZ



Metallographic products

Product details



Metallographic consumables



◆ PRODUCT FEATURES

- This MPS polishing and grinding head is designed according to investigation and researches on the market and customers' requirements. MPS features stepless speed changing and it can prepare one, two or three samples at one time. It can be fixed onto many models of polishing and grinding machines produced by us. It is easy-to-use, and the quality of finished sample is high. MPS is an ideal option for the lab of factories, science and research institutions and universities, which can prepare sample by unmanned operation and increase the efficiency.

▶ HST-MoPao2BT

Metallographic Specimen Grinding&Polishing Machine



◆ TECHNICAL PARAMETERS

Model	HST-MOPAO2BT
Working voltage	220V, 50Hz
Grinding disc/polishing disc diameter	φ203mm (φ230mm can be customized)
Step-less speed change	50-1200 rpm
Six-level fixed speed	150 rpm, 300 rpm, 450 rpm, 600 rpm, 900 rpm, 1200 rpm
Sandpaper/polishing cloth diameter	200mm (φ230mm/250mm can be customized)
Direction	Clockwise/counterclockwise
Cooling	Water cooling system
Motor	550W

◆ STANDARD CONFIGURATION

Grinding and polishing disc speed	0-200r/min	Adjustable speed	optional
Force acting on each sample	0~40N	Power supply	220V 50Hz
Number of samples prepared	1-3	Power	120W
Forward/reverse selection function	yes	Net weight	16kg

◆ PRODUCT FEATURES

- This machine adopts a touch screen operation panel, a user-friendly operation interface, simple and convenient;
- Microprocessor control system: can directly obtain a speed between 50-1200 rpm, and also has a six-level constant speed function;
- With a cooling device: the sample can be cooled during grinding and polishing to prevent the metallographic structure from being destroyed due to overheating of the sample;



Metallographic products



Metallographic consumables

► HST-MPB1C

Metallographic Specimen Polishing Grinding



◆ TECHNICAL PARAMETERS

Model	HST-MPB1C
Polishing disc diameter	φ203mm (φ230mm/φ250mm customized)
Rotating speed	50-1000r/min
Net weight	35kg
Motor	550W
Dimension	450*770*390mm
Gross weight	47KG
Package size	530*915*490mm



Metallographic products



Metallographic consumables

◆ PRODUCT FEATURES

- One machine with multiple functions, easily completes pre-grinding, rough grinding, fine grinding, rough polishing and fine polishing of metallographic samples
- Stepless speed regulation, speed regulation control system optimized for grinding and polishing machines
- Easy-to-operate switches and knobs, LED digital display speed, simple operation
- Finely ground and surface-treated work disc to ensure smooth sample surface
- The integrally formed high-strength fiberglass material shell is sturdy and durable and will never rust.

► HST-MPB2B

Metallographic Specimen Polishing Grinding



◆ TECHNICAL PARAMETERS

Model	HST-MPB2B
Working voltage:	three phase 220V 50HZ
Diameter of grinding disc:	φ200mm (φ230mm,φ250mm Customized)
Rotate Speed:	50-1000rpm
Diameter of polishing disc:	φ200mm
Rotate speed:	50-1000rpm
Diameter of sand paper:	φ200mm
Motor	YSS7124,550W
Net Weight:	40kg



Metallographic products



Metallographic consumables

◆ PRODUCT FEATURES

- This grinder polisher is of double discs, it can be operated at by two people at the same time
 - It is suitable for pregrinding, grinding and polishing metallographic specimens.
- Since the machine is speed-adjusted by a transducer, it can run between 50 and 1000rpm, which favors the machine with wide applications. The machine is equipped with cooling system which can cool down the specimen during primary grinding so as to prevent overheating and damage the metallographic structure . Featuring easy operation and reliable performance, it is an indispensable device for the factories, research institutions and college labs to prepare metallographic specimen.

▶ HST-PVM-1

Vacuum Mounting Press



◆ TECHNICAL PARAMETERS

Model	HST-PVM-1
Vacuum chamber size	Φ260*125 mm
Vacuum	up to 85 kPa
Sample mold diameter	25 ~ 50 mm
Travel speed	5 rpm
Power	6 W
Dimensions	403*460*400 mm
Power supply	220V, 50Hz, Single phase



Metallographic products



Metallographic cold inlay



Metallographic consumables

◆ PRODUCT FEATURES

- METPRESS-PVM1 is an innovative solution that is used in high-tech laboratories and production centers. They allow you to easily and safely carry out the process of a sample under pressure. This model has a wide range of capabilities due to its functionality. The diameter of the vacuum chamber is d. 260 mm, which guarantees its large capacity for various types of samples. The speed of movement is 5 rpm, which means that you will get a quick and effective result in the operation of the device. There are no difficulties in operating this product due to its reliable design and intuitive interface.

► HST-VMM30

Vacuum Cold Mounting Machine



◆ PRODUCT FEATURES

- Quickly reach high vacuum (-60KPa)
- Digital display of vacuum degree and automatic control. After reaching the set vacuum value, the automatic vacuum pump automatically stops. After the vacuum drops by a certain value, the vacuum pump automatically starts;
- Large volume, transparent vacuum chamber;
- Built-in vacuum pump, low noise, oil-free, pollution-free and maintenance-free
- The mounted sample and mounting material can be vacuumed in advance;
- Using the rotating cup holder in the vacuum container, multiple samples can be poured into the mold at one time in vacuum for vacuum mounting;
- Special air release valve can implement multiple cycles of air extraction and air deflation inlay process.
- Comes with a timer, which will automatically release the pressure after the inlay is completed.

◆ TECHNICAL PARAMETERS

Model	HST-VMM-30
Number of mounted samples	>10 pieces (for inlay molds with a diameter of 30mm)
Vacuum chamber size	300Lx 300W x 300Hmm
Maximum vacuum degree	-0.06MPa(-60KPa)
Pumping time	less than 1 minute
Mold	Suitable for molds of various shapes:
Dimensions	Main chassis (including vacuum pump): L320×W300×H230mm
Power supply	220V, 50Hz, Single phase

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Control box	1 set	Vacuum chamber	1 set
Vacuum tube	1	Epoxy king sample	1 set
Mold Ø30	1	Disposable plastic cup	10
Vacuum sealant	1 bottle	Instruction Manual	1 serving



Metallographic products



Metallographic cold inlay



Metallographic consumables

▶ HST-VMM90

Full Automatic Vacuum Cold Mounting Machine



◆ PRODUCT FEATURES

- Inlay mode, divided into manual and fully automatic modes;
- Manual mode, flexible inlay;
- Automatic mode, set according to different materials and samples, can save and recall 999 sets of process parameters. The process parameters are password-protected and easy to call;
- Process parameters such as vacuum degree, vacuum maintenance time, deflation, number of cycles, inlay completion reminder, etc. can all be set;
- Complete the entire mounting process of multiple samples, multiple vacuuming, maintaining vacuum, and deflation cycles with one click;
- 8 samples automatically move to the inlay and liquid adding position; multiple samples can be poured into the mold at one time in vacuum for vacuum inlay;
- Automatically add cold mounting material;
- High vacuum: -0.06MPa (-60KPa); quickly reach the set high vacuum.
- Built-in vacuum pump, low noise, oil-free and pollution-free.
- Large-volume vacuum chamber and transparent upper cover for easy observation.

◆ TECHNICAL PARAMETERS

Model	HST-VMM-90
Name	Specification
Automatically mount sample quantity	8 pieces (inlaid mold diameter 30mm)
Maximum vacuum degree	-0.06MPa(-60KPa)
Pumping time	less than 1 minute
Mold	Suitable for molds of various shapes: diameter 20, 40, 50mm, or rectangular mold, or disposable mold
Vacuum chamber size	300Lx 300W x 300Hmm
Dimensions and weight	460X450X300mm,19kg
Power supply	220V, 50/60Hz, 200W

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Host	1 set	Fast epoxy king	1 set
Instruction Manual	1 serving		



Inlaid mold



Metallographic products



Metallographic consumables

► HST-BG30

Metallographic Specimen Belt Surface Grinding Machine



◆ TECHNICAL PARAMETERS

Model	HST-BG30
Distance between the centers of two rollers	255mm
Cooling method	water cooling
Surface speed	768 m / min
Rotating speed	1400 rpm
Sand belt	920mm x 100mm (L x W)
Belt number	1
Motor	550W
Dimension and Net weight	550*570*320mm, 56kg
Power supply	three phases, 380V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Water inlet pipe	1PC	Wrench	1 pcs
Water outlet pipe	1PC	Sand belt	1 pcs
Hexagon wrench	1PC		



Metallographic products



Metallographic consumables



Metallographic consumables

◆ PRODUCT FEATURES

- HST BG-30 Belt surface grinding machine is of new generation design, made according to the international standard and advanced process technique. It adopts sand belt to grind and polish the specimen. The different belts can be changed swiftly. This machine can be used to replace the disc grinder and manual type abrasive paper grinding. It only takes 1-2 minutes to for each belt to finish the operation. For the grinding of spectroscopy specimen, it is very economic to save time, labour and abrasive paper. This machine can be widely used in laboratories, researching institutes and factories.

▶ HST-BG32

Metallographic Specimen Belt Surface Grinding Machine



◆ TECHNICAL PARAMETERS

Model	HST-BG32
Distance between the centers of two rollers	255mm
Cooling method	water cooling
Surface speed	768 m / min
Rotating speed	1400 rpm
Sand belt	920mm x 100mm (L x W)
Belt number	2
Motor	550W
Dimension and Net weight	620*570*320mm,95kg
Power supply	three phases, 380V, 50Hz

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Water inlet pipe	1PC	Wrench	2 pcs
Water outlet pipe	1PC	Sand belt	2 pcs
Hexagon wrench	2pcs		



Metallographic products



Metallographic consumables



Metallographic consumables

◆ PRODUCT FEATURES

- HST BG-32 Belt surface grinding machine is of new generation design, made according to the international standard and advanced process technique. It adopts sand belt to grind and polish the specimen. The different belts can be changed swiftly. This machine can be used to replace the disc grinder and manual type abrasive paper grinding. It only takes 1-2 minutes to for each belt to finish the operation. For the grinding of spectroscopy specimen, it is very economic to save time, labour and abrasive paper. This machine can be widely used in laboratories, researching institutes and factories.

▶ HST-MPJ400

Spectral grinding machine



◆ TECHNICAL PARAMETERS

Model	HST-MPJ400
Grinding disc diameter	Φ400mm
Speed	1400r/min, 2800r/min
Input voltage	2KW
Motor	AC380V 50HZ
Dimension	590mm x 580mm x 1020mm
Net weight	80kgs



Metallographic products



Metallographic consumables

◆ PRODUCT FEATURES

- 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, KASON MPJ-400 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.

► HST-EP06X

Electrolytic Polishing Corrosion Tester



◆ PRODUCT FEATURES

- Large voltage and current range, can meet the polishing and corrosion of various materials at the same time;
- Realize constant current and constant voltage working mode;
- Dc 0~100V / 0~6A, current/voltage value can be customized;
- Voltage and current have rough and fine tuning switching function, can accurately and stably set the voltage current value;
- Voltage and current regulation, display precision two decimal places;
- Low ripple and high stability of electrical signal;
- Overvoltage, overheat and undervoltage protection of power input;
- The polishing/corrosion area of the sample can be controlled (the opening diameter of the sample hood is 15mm, 20mm, 30mm);
- Control polishing/corrosion working time;
- The agitator ensures uniform polishing/corrosion medium and uniform surface environment of samples.

◆ TECHNICAL PARAMETERS

Model	HST-EP06X
Electrolytic output	DC 0~100V / 0~6A, continuously adjustable, digital display;
Voltage and current regulation, display accuracy	Voltage 0.01V/ current 0.001A
Constant temperature range	At room temperature to 100 °C + / - 1 °C
Time display	Working hours can be set
Container capacity	800 ml
Cooling system	Cooling coil, external tap water cooling
Electric box size	292 * 380 * 120 mm
Magnetic agitator size	240 * 190 * 130 mm
Total power	900 w
Total weight	15 kg
Power supply	AC220V 50 hz

◆ STANDARD CONFIGURATION

Item	Qty
Power supply	1
Standard polished/corroded components:	1 set
Including: cooling coil, cathode and other hose Each one	Each 1
Sample cover: control the polishing area of the sample with diameters of 15, 20 and 30mm	Each 1
Simple polishing/corrosion components (iron stand, anode support plate, anode clamp, cathode, etc.)	1 set
Agitator and heating control unit	1
Container	2
Instructions	1
Certificate of approval	1

◆ OPTIONAL ITEMS

IV-C polarization curve test software	Contains computer, software USB flash drive.
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◆ CUSTOM

Serial number	1	2	3	4
Voltage range	0 ~ 12 v	0 ~ 20 v	0 ~ 300 v	0 ~ 500 v
Current range	0 ~ 50 a	0 ~ 30 a	0 ~ 2 a	0 ~ 1.2 A

► HST-EP3000

Touch Screen Electrolytic Polishing and Etching Instrument



◆ TECHNICAL PARAMETERS

Model	HST-EP3000
Electrolysis output	DC 0~60V / 0~20A, continuously adjustable, digital display
Voltage and current regulation, display accuracy	Voltage 0.01V/current 0.001A
time display	Working hours can be set by yourself
Electrolyte capacity	300~1000ml
cooling system	External tap water cooling
Electric box size	215×507×460mm
Corrosion Workbench	270×230×340mm
Total Instruments:	10kg
Power supply	AC220V 50Hz single phase

◆ STANDARD CONFIGURATION

Product name	unit	Quantity
Electropolishing and Corrosion Instruments	Set	1
Power control box	Set	1
Cover plate to control sample corrosion area (10/15/20mm)	pieces	3,One for each

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

◆ PRODUCT FEATURES

- EP3000 Electrolytic Polishing and Corrosion Instrument is a metallographic sample preparation instrument integrating electrolytic polishing and corrosion functions. It is suitable for use in laboratories such as factories, colleges and universities, and scientific research institutions.
- The equipment uses electrochemical principles to prepare metallographic samples, and can also be used for polishing metallographic samples, and can also be used for corrosion of metallographic samples. It has the advantages of fast sample preparation, good repeatability, and no mechanically processed deformation layer. It is an ideal equipment for preparing metallographic samples of non-ferrous metal samples, steel, especially

▶ HST-EP3000W

Spectral grinding machine



◆ TECHNICAL PARAMETERS

Model	HST-EP3000W
Operating Voltage	AC220V 50Hz
Electrolysis output	DC 0~60V / 0~20A, continuously adjustable, digital display
Voltage and current regulation, display accuracy	Voltage 0.01V/current 0.001A
time display	Working hours can be set by yourself
Electrolyte capacity	300~1000ml
cooling system	External tap water cooling
Electric box size	215×507×460mm
Corrosion Workbench	270×230×340mm
Total Instruments	10Kg



Metallographic products



Metallographic consumables

◆ PRODUCT FEATURES

- KASON EP-3000W Electrolytic Polishing and Corrosion Instrument is a metallographic sample preparation instrument integrating electrolytic polishing and corrosion functions. It is suitable for use in laboratories such as factories, colleges and universities, and scientific research institutions.
- The equipment uses electrochemical principles to prepare metallographic samples, and can also be used for polishing metallographic samples, and can also be used for corrosion of metallographic samples. It has the advantages of fast sample preparation, good repeatability, and no mechanically processed deformation layer. It is an ideal equipment for preparing metallographic samples of non-ferrous metal samples, steel, especially stainless steel.

▶ HST-DYQ1T

Metallographic Specimen Grinding Polishing Liquid Dispenser



◆ TECHNICAL PARAMETERS

Model	HST-DYQ-1T
Dispensing speed	About 1 ~ 999 drops / min., can be continuously adjusted
Dispensing time	1-999 minutes, can be continuously adjusted.
Installing and fixing way	Desktop
Power supply	AC 220V, single-phase
Dimensions (L*W*H)	200*170*260mm
Net Weigh	5Kg
Package size	550*480*450mm
Gross weigh	18KG



Metallographic products

Product details



Metallographic consumables



◆ PRODUCT FEATURES

- Touch screen settings and automatic control.
- Set and precisely control the droplet speed.
- Set and control the drip time.
- Automatic cleaning dropper.
- It can be connected to a polishing machine and can be automatically controlled.
- One-to-many control by grinding & polishing machine (optional).
- Polishing solution magnetic stirring function, independent speed adjustment (optional).

▶ HST-DYQ4T

Metallographic Specimen Grinding Polishing Liquid Dispenser



◆ PRODUCT FEATURES

- Four channels can be set separately and work at the same time
- Connect with the polishing machine and drip liquid according to the parameters set by the grinding and · polishing machine
- Three working modes of Manual / Online / Automatic, the dripping speed and dripping time of each mode can · be set independently.
- Automatic cleaning dropper
- Larger or smaller dripping speed can be customized
- It can be easily expanded into 6 channels or 8 channels

◆ TECHNICAL PARAMETERS

Model	HST-DYQ-4T
Dropping speed	about 6 drops / min - 280 drops / min
Maximum flow	18 ml / min
Dropping speed regulation	stepless speed regulation, from 6 drops / min to 280 drops / min
Power supply	AC 220V, single phase, 10W

◆ STANDARD CONFIGURATION

Name	Qty	Name	Qty
Dispenser	1set	Drip bottle	4 pcs
Drip bottle base	1set	Drip tube	4 pcs
Hexagon wrench	1PC		



Metallographic products



Product details



Metallographic consumables

► HST-DYQ6T

Automatic Polishing Dropper



◆ TECHNICAL PARAMETERS

Model	HST-DYQ-6T
Drip speed	stepless speed regulation, about 6 drops/min -280 drops/min
Maximum flow rate	18 ml/min
Maximum drip time	9999 minutes and 59.9 seconds
Power supply	AC 220V , 100W



Metallographic products

Product details



Metallographic consumables

◆ PRODUCT FEATURES

- Set each channel separately and work at the same time
- Connect with the polishing machine and drop the liquid according to the grinding and polishing parameters set by the grinding and polishing machine
- Two working modes: manual/online
- Each mode can be set independently: drip speed, drip time
- Automatic cleaning of dropper
- Larger or smaller drop speed, customizable