

## Specifications

## GALLERY



HPA-2000X Full-automatic metallographic grinding and polishing machine



HPA-1000X Full-automatic  
metallographic grinding and polishing

## PRODUCT DESCRIPTION

HUATEC Center Load 6 Samples Double Disc Full Automatic Metallographic Grinding Disc Polishing Machine

HPA-1000X & HPA-2000X Full-automatic metallographic grinding and polishing machine (central pressure)

### Product features

- In the way of central loading force, six samples are fixed at one time to complete the grinding and polishing process to ensure the complete plane of each sample
- **Independently control all grinding and polishing parameters, such as rotation speed, grinding and polishing time, rotation direction and water valve closing;**
- **Touch screen interface: Convenient setting of grinding and polishing parameters, intuitive state display, simple operation;**
- Loading force can be adjusted during operation, flexible and convenient.
- Through the use of solenoid valve to control the water on and off.
- **Easily replace the magnetic anti-stick disk, you can complete the rough, fine grinding and coarse, fine polishing of all kinds of samples, one plate is equivalent to N plates.**
- High precision, smooth operation, low noise.



**HPA-1000X Full-automatic  
metallographic grinding and polishing**

Single plate



## HPA-2000X Full-automatic metallographic grinding and polishing machine

double disc

Technical parameters

specifications	HPA-1000X	HPA-2000X
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station	Single plate	Double disk
Working disk diameter	Standard 254mm with magnetic transfer disk system	
Working disk speed	100-1000 RPM steering positive and negative rotation can be switched	
Grinding head speed	0-100r/min	
Sample preparation time range	0-9999s	
Loading range	30-200N	
Loading mode	Center load	
Sample gripper	Standard 30mm six (optional 40-50mm four, the rest can be customized)	
The power supply	AC220V, 50 hz	
The motor power	0.75 Kw	
Overall dimension (length * width * height)	760 x 470 x 700	760 x 730 x 700
The weight	90kg	120kg

**Annex to the standard (this list is for reference, the type or quantity of annex shall be subject to the contract)**

Item	Quantity single/double	Item	Quantity single/double
Waterproof circle	1/2	Sandpaper with adhesive (250) 320#	10
holder	1	Sandpaper with adhesive (250) 1000#	10
Inner hexagon wrench 4mm	1	Velvet with back glue polishing cloth (250)	1
5mm inner hexagon wrench	1	Anti-stick disc (250mm)	1/2
The feed line 8 mm	1	Magnetic working disk (250mm)	1/2
Drain the 25 mm	1	hook	1
Power transfer connection	1	Quick twist joint SNZ08-04	1
Data transfer connection	1	Hose hoops 18 to 32	1
Teflon tape	1	Triangle valve	1
Diamond suspension polishing liquid 6 micron 200ml	1 bottle	Rubber pad with strainer	1
Polishing lubricating coolant blue 200ml	1 bottle	filter screen (60 mesh, double layer)	4
stylus	1	Install the machine	1
Technical documents: 1. User Manual 2. Product qualification certificate			

**Optional accessories**

GSC250A	<p>Metallographic sandpaper 100 pieces/packet Abrasive: black silicon carbide Size: P80# 120# 180 # 320 # 600 # 800 # 1000 # 1200 # 1500 # 2000 # Size: 250 mm <math>\Phi</math> water resistant With a stick back, the sandpaper can be fixed directly on the working table</p>
MAGNOMET	<p>Anti-sticking disc 5 pieces/box diameter: 250 mm <math>\Phi</math> Special anti-stick coating is used on the surface. Sandpaper or polishing cloth with back glue can be pasted on the plate. It is easy to replace and no residual glue is left. Can be used again and again. The disc is directly used on the magnetic disc of BUEHLER or STRUERS; Alternative BUEHLER company MagnoMet and MagnoPad</p>
FT250A	<p>Metallographic polishing fabric 10 pieces/bale Velvet (long hair)/canvas (short hairs)/cloth (short hairs)/silk (no villi) <math>\Phi</math> 250 mm Stick back: The fabric can be fixed directly on the working table</p>
DSU	<p>Diamond suspension grinding and polishing liquid 500ml/ bottle Diamonds are suspended in a liquid, dripped into it by a spray bottle or automatically, and are evenly distributed Particle size: 0.25, 0.5, 1, 1.5, 2.5, 3, 3.5, 5, 6, 7, 9, 10, 14, 15, 20, 28, 40 microns, suitable for a variety of materials</p>