

## HY-FMP-3000S Automatic Metallographic Sample Grinding and Polishing Machine



### ❖ HY-FMP-3000S Introduction:

HY-FMP-3000S automatic metallographic sample grinding and polishing machine is a double-disc desktop machine, which is a new generation of high-precision and automatic sample preparation grinding and polishing equipment manufactured by international advanced technology. It is suitable for automatic sample preparation from rough grinding, fine grinding, rough polishing to fine polishing of metallographic samples. It is an ideal sample preparation equipment for enterprises, research institutes and laboratories of colleges and universities.

### Operating system::

The advanced microprocessor control system is adopted to realize stepless speed regulation of the speed of the grinding and polishing disc and

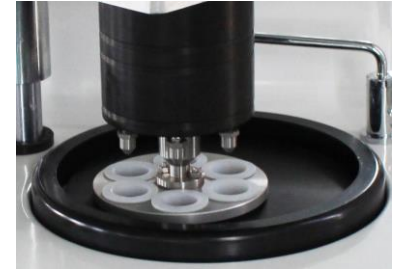


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grinding and polishing head, and the setting of sample preparation pressure and time is intuitive and convenient.

**Grinding and polishing system:**

This machine only needs to replace the grinding and polishing disc or sandpaper and fabric to complete the operation of the grinding and polishing process. The rotation direction of the grinding and polishing disc can be selected arbitrarily, and the grinding and polishing disc can be quickly replaced; multi-sample holder and pneumatic single-point loading and other functions.



**Cooling system:**

The machine is equipped with a water cooling device, which can cool the sample during grinding and polishing, so as to prevent the metallographic structure from being damaged due to overheating of the sample and to wash away the abrasive grains at any time.



❖ **HY-FMP-3000S Parameters:**

Specification		Model
		HY-FMP-3000S
Structure	Double disc table structure	●
Grinding disc diameter	φ250mm	●
	φ200mm or φ300mm	○
Grinding and polishing disc	50-1000r/min, stepless speed regulation	●
	200r/min, 600r/min, 800r/min, 1000r/min (4-level constant	●
Grinding head	5-100r/min (stepless speed regulation)	●
Grinding Turn	clockwise or counterclockwise	●
Loading range	5-60 Newton (N), single point pneumatic pressurization	●
Sample preparation	0-9999s	●
Sample diameter	φ30mm*6	●
	φ22mm*6 or φ45mm*4	○

Input voltage	Single phase AC220V 50Hz	●
Power	870W	●
Size	730*710*635mm	●
Net weight	98kg	●
Gross weight	122kg	●
Magnetic disk	φ200mm、 φ250mm or φ300mm	○
Anti-stick disk	φ200mm、 φ250mm or φ300mm	
Metallographic	320#、 600#、 800#、 1200#etc.	
Polished fleece	Silk velvet, canvas, woolen cloth, etc.	
Diamond	W0.5um、 W1um、 W2.5um etc.	

**Note: "●"Standard; "○"Optional**

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❖ **HY-FMP-3000S Packing list:**

<b>Name</b>	<b>Specification</b>	<b>Qty.</b>
Host	HY-FMP3000S	1
Polished fleece	Φ250mm	2
Metallographic sandpaper	Φ250mm	2
Grinding plate, aluminum ring	Φ250mm	Each 2
Water inlet pipe, drain pipe		Each 1
Instruction manual, certificate of conformity, packing list		Each 1