

## Double Disc Automatic Metallographic Sample Grinding and Polishing Machine



In the metallographic sample preparation, pre-grinding, polishing and grinding are the indispensable procedures.

This machine is controlled by single chip microcomputer, with beautiful appearance, stable performance and convenient operation, it realizes the automation of grinding and polishing.

Therefore it is the ideal equipment for metallographic sample preparation.

### Features:

- 1, Equips with high definition LCD touch screen, clear to display and easy to use.
- 2, DC brushless motor, used for a long time; super mute design brings a good experience.
- 3, Stainless steel grinding/polishing disc, firm and steady.
- 4, Strong large support chassis design ensures the precision rotary balance.
- 5, Spindle leak-proof design ensures the bearing without damage.
- 6, Stepless speed and quick set four speeds control, support clockwise/anticlockwise rotating direction.
- 7, Magnetic grinding disc design, supports fast disc replacing system, the plate is Teflon painted which makes no residue of changing polishing cloth.
- 8, Equips with automatic polishing head, replaces traditional manual grinding and polishing. Time and rotating speed of polishing head can be preset. With lighting system, largely improves the grinding and polishing quality and efficiency.
- 9, Touch screen controller can save 10 kinds of grinding and polishing procedure, set different parameters for different samples.
- 10, With optional ZDD-1 automatic dropping device, it can set time and drop uniformly for the suspension.

### Technical Specifications:

Model	iGrind-420P	iGrind-421P	iGrind-420PM	iGrind-421PM
Disc Diameter	250mm	300mm	Magnetic 250mm	Magnetic 300mm
Rotating Speed	Stepless 100-1000rpm, with quick speed setting 250rpm, 500rpm, 750rpm, 1000rpm			
Rotating Direction	Clockwise/Anticlockwise			
Electromotor	DC brushless motor, 220V, 1.1kw			
Sample Quantity	Polishing head can hold 6pcs specimens			
Sample Diameter	30mm, (Optional 45mm, 22mm)			
Pressure Method	Single pneumatic pressure			
Pressure Force	0-8kg			
Rotating Speed	Polishing head stepless speed 30-120rpm			
Time Setting	0-999min			
Electromotor	Polishing head: DC brushless deceleration motor, 220V, 100W			
Dimension	725x900x760mm			
Weight	115Kg			