

Center pneumatic pressurization Double Disc automatic metallographic sample grinding and polishing machine

Model: HMP-2B



1.Product overview:

Iqualitrol HMP-2B is a double-disc automatic grinding and polishing machine integrating pre-grinding, grinding and polishing.

Iqualitrol HMP-2B adopts single chip microcomputer technology to control through touch screen, the grinding and polishing disc is driven by DC brushless motor, V-belt is used for transmission.

The grinding head is driven by stepping motor, and the synchronous belt is used for transmission.

Iqualitrol HMP-2B has the characteristics of stable rotation, low noise, long life, safety and reliability; You can adjust the rotation speed of the grinding head and the grinding and polishing plate according to the user's needs, set the pressure, set the sample preparation time to adapt different needs;

Iqualitrol HMP-2B comes with a lighting system, which is convenient to take and place samples; comes with a cooling device, which can be used during grinding Cooling the sample to prevent damage to the metallographic structure due to overheating of the sample. Iqualitrol HMP-2B is an ideal choice for metallographic sample preparation equipment in factories, scientific research units and laboratories of universities and colleges.

2.technical parameters:

Product model	HMP-2B
Number of grinding discs	2
Diameter of grinding and polishing disc	254mm
Rotation speed of grinding and polishing plate	Stepless speed regulation 100-1000r/min Four-speed speed regulation 300 500 800 1000r/min
Rotation direction of grinding and polishing disc	Forward and reverse
Grinding disc motor power	2.2KW

Rotation direction of grinding head	Clockwise
Rotating speed of grinding head	0—150r/min
Grinding head motor	Stepping motor 200W
Grinding head locking method	Automatic
Timing adjustable time	0-99min
Pressure adjustment method	Automatic pressure regulation inside the system
Pressure method	Center pneumatic pressurization
Pressurized pressure	0-150N(Common range 40-120N)
Number of specimen clamps	6
Clamping sample thickness	8-22mm (customizable)
Specimen clamping specifications	Standard $\Phi 30$, ($\Phi 22$ $\Phi 30$ $\Phi 45$ any specifications are optional, special specifications can be customized)
power supply	220V 50Hz
Total power	2.8KW
Appearance size	755*660*710mm
weight	80kg

3. configuration list

Product accessories	unit	number	Remark
Grinding and polishing disc	piece	2	Installed on the device
Water retaining ring	piece	2	Installed on the device
Pressure ring	piece	2	Installed on the device
Anti-stick disk	piece	3	$\Phi 250$ mm
400 mesh adhesive sandpaper	piece	4	$\Phi 250$ mm
800mesh adhesive sandpaper	piece	4	$\Phi 250$ mm
1200mesh adhesive sandpaper	piece	4	$\Phi 250$ mm
Adhesive polishing cloth	piece	4	$\Phi 250$ mm
Inlet pipe	piece	1	6 points interface
Outlet pipe	piece	1	$\Phi 32$
Technical documents	1 copy of product manual		1 copy of product certificate