



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

METALLOGRAPHIC SAMPLE GRINDING & POLISHING MACHINE

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BGP-1B

The BGP-1B is a single-station metallographic sample grinding and polishing machine. It features a white main body with a black base. The top surface is a large, flat, light-colored grinding/polishing area. A black circular sample holder is mounted on the front. A digital display with red LEDs shows '8888'. Below the display are four control buttons: two with up/down arrows and two with circular icons. A black adjustment arm is visible on the right side of the machine.



BGP-2B

The BGP-2B is a dual-station metallographic sample grinding and polishing machine. It has a similar design to the BGP-1B but with two grinding/polishing stations side-by-side. The digital display also shows '8888' and has the same four control buttons. It features two black adjustment arms, one for each station.

**DESCRIPTION:**

In the process of metallographic sample preparation, the grinding and polishing of the sample is an indispensable process. After the sample is ground and polished, a bright mirror-like surface can be obtained. The BGP-1B and BGP-2B metallographic sample grinding and polishing machine adopts a frequency converter to adjust the speed, which can make the speed of the grinding and polishing disc infinitely adjustable between 50-1000r/min. The grinding and polishing of the sample can be completed by replacing the metallographic sandpaper and polishing fabric. It is especially suitable for metallographic laboratories in factories, colleges and research institutes, and is an excellent equipment for grinding polishing metallographic samples.

FEATURES:

- One machine can do the rough grinding, fine grinding, rough polishing and fine polishing of metallographic specimens.
- The shell is made of high-end ABS, which is novel and beautiful in appearance.
- The faucet adopts copper material, which has good corrosion resistance
- Stepless speed design, low noise, stable working performance. Can meet a variety of needs.
- Double working plates $\phi 203\text{mm}$, greatly improved working efficiency (BGP-2B).
- With water cooling system to prevent damage to the metallographic structure due to overheating of the sample. And can get more better metallographic surface easily.

TECHNICAL SPECIFICATION:

Model No.	BGP-1B	BGP-2B
No. of Polishing Disc	Single disc	Double disc (single control)
Grinding Polishing Plate Diameter	$\phi 203\text{mm}$ (optional $\phi 230\text{mm}$, 250mm)	
Rotate Direction	Clockwise - Anticlockwise	
Rotate Speed	50-1000r/min (stepless adjustable)	
Motor Power	0.75KW	
Machine Size & N/W	500*910*475mm; 35kg	710*680*330mm; 40kg
Package Size & G/W	575*465*540mm; 47kg	758*776*421mm; 53kg
Power Supply	Single phase, 220V, 50Hz	

**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
Grinding Plate $\Phi 203$ (on machine)	1pc for BGP-1B; 2pcs for BGP-2B	Water Retaining Ring (on machine)	1pc for BGP-1B; 2pcs for BGP-2B
Pressing Ring $\phi 203$ (on machine)	1pc for BGP-1B; 2pcs for BGP-2B	Abrasive Paper $\Phi 200$	2pcs for BGP-2B
Polishing Cloth $\phi 200$	2pcs	Water Inlet Pipe	1pc
Water Outlet Pipe	1pc	Manual	1pc

* Due to continuous product development, Image & specification can be upgrade.