



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# AUTOMATIC METALLOGRAPHIC SPECIMEN GRINDING & POLISHING MACHINE

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



**BETAPOL-1000X**

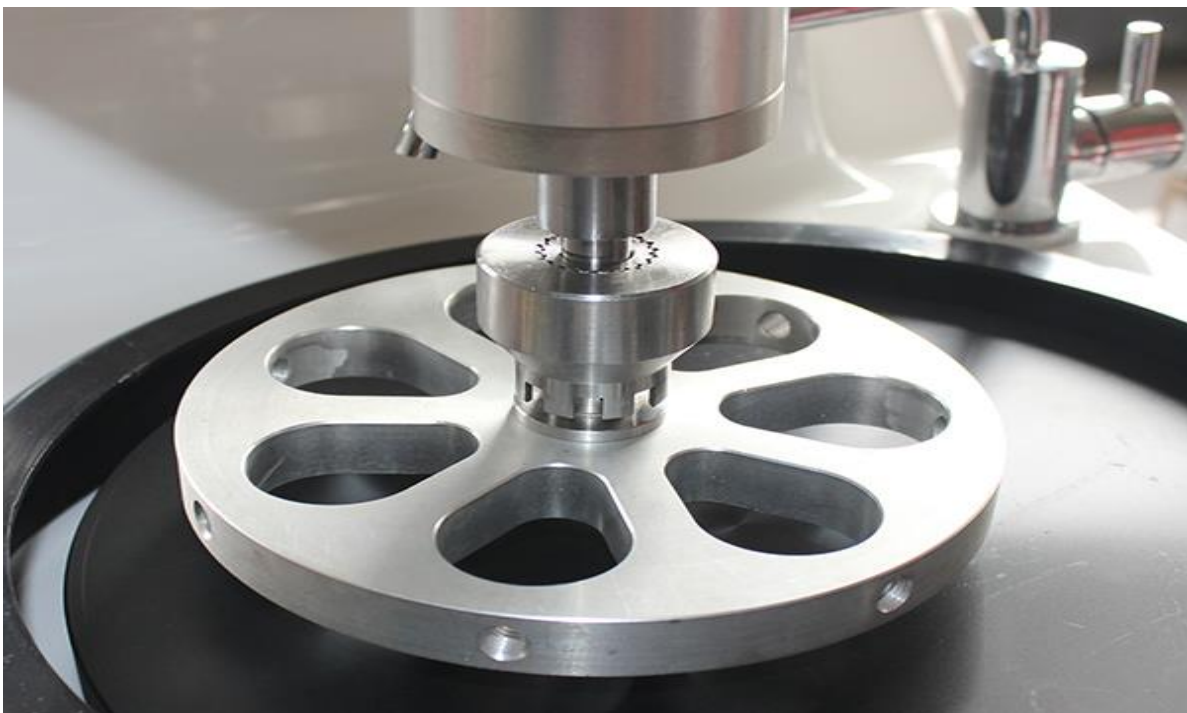


### DESCRIPTION:

Model **BETAPOL-1000X** Automatic Metallographic specimen grinding and polishing machine is equipped with automatic polishing head and features stepless speed changing and three-level constant speed for grinding and polishing. The working time can be preset and the rotating direction can be controlled. It can finish the whole process of rough grinding, fine grinding, rough polishing and finishing polishing for specimen preparing. It is the necessary metallographic specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

### FEATURES:

- 7" Large touch screen operation.
- Six pieces  $\Phi 30\text{mm}$  samples can be grinded and polished simultaneously.
- Both grinding disc and polishing head adopt stepless speed control, and the rotating direction of grinding disc can be shifted.
- Electric central force holding, fix the sample and then it can complete the whole process of grinding and polishing, and this can ensure the plane parallelism of sample.
- The loading force can be adjusted during running process.
- Working time presetting
- Quick exchanging disc. The working disc can be changed and replaced swiftly.



**TECHNICAL SPECIFICATIONS:**

<b>Model No.</b>	<b>BETAPOL-1000X</b>
<b>Diameter of working disc</b>	250mm (200mm is optional)
<b>Rotating speed of working disc</b>	Stepless speed changing 50-1000 rpm, and three-level Constant speeds of 300/600/900 rpm
<b>Rotating speed of polishing hea</b>	Stepless speed changing 5-100 rpm
<b>Sample holder</b>	Φ30mm, 6-hole (or customized)
<b>Sample preparing time</b>	60-999 seconds
<b>Pressure range</b>	5-170N
<b>Power supply</b>	Single phase, 220V, 50Hz
<b>Input power</b>	700W
<b>Dimensions</b>	730 x 450 x 900 mm
<b>Net weight</b>	65 Kg