

## AUTOMATIC METALLOGRAPHIC SPECIMEN GRINDING & POLISHING MACHINE

HP-1D Automatic Metallographic specimen grinding and polishing machine is equipped with an automatic polishing head and features step-less 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 preparation. It is the necessary metallographic specimen-preparing instrument for use in factories, scientific research institutes, and laboratories of colleges.



### Features:

- Six pieces of  $\Phi 30\text{mm}$  samples can be grinded and polished simultaneously.
- Both the grinding disc and polishing head adopt step-less speed control, and the rotating direction of a 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 Specification:

Parameter's	Specification
Diameter of working disc	250mm
Rotating speed of working disc	Stepless speed changing 50-1000 rpm, and three-level Constant speeds of 300/600/900 rpm
Rotating speed of polishing head:	Stepless speed changing 5-100 rpm
Sample holder:	Φ30mm, 6-hole (or customized)
Sample preparing time:	60-999 seconds
Pressure range:	5-170N
Power supply:	Single phase, 220V, 50Hz
Input power:	700W
Dimensions	730 x 450 x 900 mm
Net weight:	65 Kg



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