

HST-QIE10 Rock cutting and grinding machine



Application

This machine is suitable for cutting various types of rock for observing petrographic structures. It features independent cutting and grinding chambers, along with a cooling device that dissipates heat generated during cutting, preventing overheating and burns to the specimen. The machine is easy to use, safe, and reliable. It is an essential piece of equipment for sample preparation in factories, research institutes, and university laboratories.

Main Specifications

Model	HST-QIE10
Diameter of the cutting blade	Φ250mm
Cutting spindle diameter	Φ20mm
Cutting blade size	Φ250×Φ32×2mm (Customizable Φ250×Φ25.4×2mm)
Grinding disc diameter	Φ175mm
Grinding and polishing disc speed (Knob stepless speed change)	0-3000r/min
Inlet pipe	Outer diameter Φ21mm interface
Drain pipe	Inner diameter Φ32mm
Workbench size	300×270mm
Cutting table travel/motion type	200mm/Manual

Grinding table travel/motion type	10mm/Manual (accuracy 0.01mm)
Grinding suction cup size	60×90mm
Fixed suction cup	60×45mm (slides 30×45mm 2pcs)
Transverse suction cup (optional)	60×45mm (Stroke 10mm, accuracy 0.01mm) (slides 30×45mm 4pcs/60×45mm 2pcs)
Illumination	LED
Water tank	60L(Integrated vacuum pump and vacuum separator)
Input power	2.5KW
Dimensions and net weight	1233×770×548,126Kg
Power Supply	Single-phase AC220V 50Hz