

HST-Q120AB Automatic Metallographic Specimen Cutting Machine



1. Applications

For metallographic sample preparation in industrial labs, material testing centers, research institutes and universities. It automatically cuts ferrous metals, non-ferrous metals and alloy workpieces, supporting extra-large hard blanks and small soft samples, to produce intact metal microstructure samples for subsequent grinding, polishing and metallographic microscopic inspection.

2. Applicable Standards

GB/T 13298 Methods for Microstructure Examination of Metals

ASTM E3 Standard Guide for Preparation of Metallographic Specimens

ISO 17639 Metallic materials – Preparation of metallographic specimens

3. Technical Parameters

Parameter Item	Specification
Model	HST-Q120AB
Cutting Chamber Shell	Steel plate
Maximum Cutting Diameter	Φ120 mm
Abrasive Wheel Spec.	400 × 3 × 32 mm
Spindle Speed	2100 rpm (Optional stepless speed: 600–2800 rpm)
Up & Down Travel of Cutting Disc	0–50 mm

Parameter Item	Specification
Worktable Forward & Backward Travel	0–340 mm
Automatic Feeding Speed	0–180 mm/min
Cutting Table Size	430 × 320 mm
Motor Power	4 KW
Machine Type	Desktop
Overall Dimension & Net Weight	980×930×670 mm, 350 kg
Power Supply	380V, 50HZ, 3 Phase