

HST-Q80AZ Automatic Metallographic Specimen Cutting Machine



1. Applications

Suitable for metallographic sample preparation in factories, testing labs, scientific research institutions and universities. It automatically cuts ferrous & non-ferrous metal, alloy workpieces, covering small soft samples and large hard specimens, to obtain intact microstructure samples for subsequent grinding, polishing and 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-Q80AZ
Cutting Chamber Shell	Steel plate
Max. Cutting Diameter	Φ80 mm
Abrasive Wheel Spec.	300 × 2 × 32 mm
Spindle Speed	2300 rpm (Optional stepless speed: 600–2800 rpm)
Up & Down Travel of Cutting Disc	0–50 mm
Worktable Forward & Backward	0–320 mm

Parameter Item	Specification
Travel	
Automatic Feeding Speed	0–180 mm/min
Cutting Table Size	430 × 320 mm
Motor Power	2.2 KW
Machine Type	Desktop
Overall Dimension & Net Weight	930×920×610 mm, 330 kg
Power Supply	380V, 50HZ, 3 Phase