

HST-SQ100A Manual Metallographic Sample Cutting Machine



1. Applications

Used for cutting metal metallographic specimens in factories, research institutes and universities. It cuts various metal blanks, alloy parts to prepare standard metallographic samples before grinding and polishing.

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-SQ100A
Maximum Cutting Diameter	Φ100 mm
Cutting Wheel Spec.	300×2×32 mm
Spindle Speed	2800 rpm

Parameter Item	Specification
Cutting Power	3 kw
Workbench Size	230×230 mm
Cooling System	Water cooling
Cooling Liquid Tank Volume	60 L
Water Tank Dimension & Net Weight	620*500*395 mm, 21 kg
Water Tank Package Size & Gross Weight	675*550*530 mm, 30 kg
Machine Dimension & Net Weight	730*720*680 mm, 107 kg
Machine Package Size & Gross Weight	840*840*800 mm, 130 kg
Power Supply	Three-phase 380V 50HZ