

HST-MPS Semi-automatic Metallographic Grinding Polishing Head



1. Applications

Applicable users: Factory laboratories, scientific research institutes, universities

Core function: Metallographic sample grinding and polishing preparation; supports unattended sample preparation to greatly improve working efficiency

Compatibility: Matches multiple models of self-produced grinding & polishing machines; can process 1, 2 or 3 samples simultaneously in one batch

2. Applicable Standards

General industry standards for metallographic sample preparation equipment:

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-MPS
Grinding Disc Diameter	50–200 mm

Parameter Item	Specification
Grinding & Polishing Pressure	0–40 N
Number of Samples Processed at One Time	1–3 pieces
Grinding & Polishing Disc Speed	Stepless speed regulation, 50–200 rpm
Polishing Head Dimension & Weight	183×209×252 mm, net weight 13 kg
Overall Packing Dimension & Weight	400×300×550 mm, total weight 18 kg
Power Supply	Single phase 220V 50Hz / Three phases 380V 50Hz