

# HST-Q80AZF Manual / Automatic Metallographic Specimen Cutting Machine



## 1. Applications

Applied for metallographic sample preparation in factory laboratories, material testing centers, scientific research institutes and universities. It can cut ferrous metals, non-ferrous metals and alloy blanks, handling both large hard workpieces and small soft samples, to prepare intact specimens for subsequent grinding, polishing and metallographic microscopic observation.

## 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-Q80AZF    |
| Maximum Cutting Diameter | Φ80 mm        |

| Parameter Item                      | Specification                                    |
|-------------------------------------|--------------------------------------------------|
| Cutting Disc Spec.                  | 300 × 2 × 32 mm                                  |
| Spindle Rotation Speed              | 2300 rpm (Optional stepless speed: 600–2800 rpm) |
| Up & Down Travel of Cutting Disc    | 0–50 mm                                          |
| Worktable Forward & Backward Travel | 0–320 mm                                         |
| Automatic Feeding Speed             | 0–180 mm/min                                     |
| Cutting Table Size                  | 430 × 320 mm                                     |
| Motor Power                         | 2.2 KW                                           |
| Overall Dimension & Net Weight      | 930 × 920 × 1310 mm, 370 kg                      |
| Power Supply                        | AC 380V, 50Hz, Three Phases                      |