

HST-ZXQ-1T Fully Automatic Metallographic Mounting Machine



Introduction

The HST-ZXQ-1T fully automatic metallographic specimen mounting machine is used to mount small, irregularly shaped, and difficult-to-handle specimens using thermosetting materials. This process is an essential pre-process for polishing and grinding. Mounting uniformly stabilizes the specimen's dimensions, making it easier to handle or for subsequent fully automatic polishing and grinding (it can be used in conjunction with our automatic polishing machine for even better results). It is particularly suitable for specimens requiring edge protection or for automated polishing, where mounting is an essential process. It is an excellent choice for metallographic specimen mounting in metallographic laboratories in factories, universities, colleges, and research institutes.

Main Functions and Features

1. The housing is molded from SPCC, offering a stylish, high-end look.
2. The touchscreen display features a clear, intuitive interface and easy operation.
3. Precision mechanical transmission and pressure application ensures durability.
4. The entire process is fully automated with closed-loop control, allowing for the complete inlay process to be completed with a single click.
5. Built-in cooling system for faster cooling and higher inlay efficiency.
6. A variety of mold specifications are available, and custom molds can be customized to meet customer needs.

7. DIY operation is possible, providing flexibility and convenience.
8. Up to 100 inlay recipes can be stored for quick access and serial production.
9. A full range of customized solutions are available, providing comprehensive, one-stop service.
10. The program features a built-in intelligent algorithm with selectable time and temperature modes (especially suitable for first-time users).
11. An optional chiller is available to implement a refrigeration cycle, eliminating faucet constraints. (Optional)

Technical Parameters

Mold Specifications	Standard $\phi 30$ (optional: $\phi 22$, $\phi 45$), custom sizes available
Effective Mold Depth	35mm
Heating Power	1000W
Force Application Method	Automatic mechanical pressurization
Temperature Setting Range	0-190°C
Hot-Sink Setting Range	0-99 minutes
Cooling Setting Range	Automatic water cooling
Cooling Method	Thermosetting
Suitable Inlay Materials	100 sets
Inlay Process Formula	Voltage: 220V
Power Supply	Frequency: 50Hz
Total Power	1200W
Dimensions	340x500x450cm
Weight	50kg
Package size	550*550*500mm
Gross weight	55KG