



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

METALLOGRAPHIC SAMPLE MOUNTING PRESS



- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

BXQ-1T

**DESCRIPTION:**

This equipment is designed for the pre-grinding and pre-polishing stage, specifically for mounting small, difficult-to-handle, or irregularly shaped metallographic and petrographic samples.

Encapsulation facilitates subsequent grinding and polishing operations, and further enables accurate observation of material microstructures under metallographic microscopes as well as precise hardness testing on hardness testers.

The BXQ-1T semi-automatic metallographic mounting press employs a manually operated mechanical pressure system, an integrated automatic water-cooling system, and a touch-screen interface for temperature control. It provides stable performance, reliable operation, and user-friendly functionality, making it a cost-effective solution for sample mounting.

FEATURES:

- Touchscreen display control with a clear and intuitive interface, easy to operate.
- Uses precise mechanical transmission for pressurization, durable and long-lasting.
- Semi-automatic closed-loop control throughout the process.
- Built-in cooling system for faster cooling and higher embedding efficiency.
- Special molds can be customized according to customer requirements.
- Can store over 100 sets of embedding process recipes for quick access, enabling batch production.
- Built-in intelligent algorithms in the program, allowing selection of time mode or temperature mode
- Optional chiller available for refrigeration circulation.

TECHNICAL SPECIFICATION:

Model No.	BXQ-1T
Mold Specification	φ30, (option φ22, φ45), Supports special customization
Sample Depth	35mm
Power	500W
Pressure Loading	Manual mechanical pressurization
Temperature Set Range	0-190°C
Dwell Time Set Range	0-99 minutes
Cooling Time Set Range	0-99 minutes
Cooling Type	Auto Water Cooling
Mounting Materials	thermoset
Preset Programs	100 groups
Power Supply	AC220V/50Hz/1Ph
Power Consumption	600W
Dimension & Weight	270*380*450mm, 40Kg

* Due to continuous product development, Image & specification can be upgrade.