

HST-PVM-1 Press Cold Mounting Machine



(Picture just for reference)

Introduction:

HST-PVM-1 pressure cold mounting machine uses a high-strength pressure cooker and built-in air pump. It is a special metallographic mounting equipment designed for the special requirements of cold mounting.

Using this equipment, the bubbles and pores in the mounted sample can be significantly reduced without changing the physical and chemical properties of the resin, providing the best results for subsequent sample grinding and polishing and microstructure analysis.

Features:

1. Built-in air compressor can quickly reach the working pressure of 0.2Mpa (2 atmospheres).

2. Pressure digital display and automatic control. After reaching the set pressure value, the automatic air pump automatically stops. After the pressure drops by a certain value, the air pump automatically starts.

3. Built-in triple insurance such as pressure control, pressure relief valve, and safety valve, making the product safer

When there is pressure in the pot, the lid is automatically locked, that is, the lid cannot be opened during operation;

When the pressure exceeds 10% of the working pressure, the safety valve on the top of the container automatically releases the pressure immediately.

4. Built-in air pump, low noise, oil-free, pollution-free and maintenance-free.

5. The pressure vessel is made of stainless steel and has a large inner cavity capacity, which can handle more than 20 samples with a diameter of 30mm at the same time.

6. Special air release valve can implement multiple cycles of pressurization and air release inlay process.

7. Comes with a timer, which will automatically release the pressure after the inlay is completed.

Parameters:

Item	Specification
Mosaic type	Cold mounting
Mosaic method	Mounting under pressure
Work pressure	0.2MPa
Maximum pressure of air source	0.6MPa
Sample inner	200mm
Dimensions	Pressure vessel: L300×W400×H300mm Main chassis: L320×W300×H230mm
Weight	Pressure vessel: 8Kg Main cabinet: 10Kg