

KASON METPRESS-PVM1S Pressure Cold Mounting Machine



Product instruction

KASON METPRESS-PVM1S pressure cold mounting machine, with a high-strength pressure cooker and built-in air pump, is a dedicated metallographic mounting device designed for special requirements of cold mounting.

With this device, the air bubbles and pores in the embedded samples can be significantly reduced without altering the physical and chemical properties of the resin, providing the best results for subsequent sample grinding and polishing as well as microstructure analysis.

- Built-in air compressor, quickly reach working pressure 0.2Mpa (2 atmospheres).
- The pressure is digitally displayed and automatically controlled. When the set pressure value is reached, the automatic air pump stops automatically. When the pressure drops a certain value, the air pump starts automatically.
- The product is equipped with triple safeguards such as built-in pressure control, pressure relief valve, and safety valve, making it safer
- When there is pressure in the pot, the lid is automatically locked, that is, the lid cannot be opened when working;
- When the pressure exceeds the working pressure by 10%, the safety valve at the top of the container immediately releases the pressure automatically.
- Built-in air pump, low noise, oil-free, pollution-free, maintenance-free.
- The pressure vessel is made of stainless steel and has a large inner cavity capacity, capable of handling more than 20 samples with a diameter of 30mm simultaneously.
- Special vent valves are available for multiple cycles of pressurizing and venting inlays.

Built-in timer, automatically depressurizes when the installation is completed.

Main Specifications

Name	Specifications
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Inlay type	Cold inlay
Setting method	Pressure setting
Work pressure	0.2 MPa
Maximum pressure of	0.6 MPa
Chamber diameter of	200mm
External dimensions	Pressure vessel: L300×W400×H300mm Mainframe: L320×W300×H230mm
Weight	Pressure vessel: 8Kg Main cabinet: 10Kg

Standard accessories:

Name	Quantity	Name	Quantity
Embedded machine chassis	1 set	Pressure vessel	1 set
Timer	1	High-pressure trachea	1
CM4 cold setting resin	1 set	Instruction manual, certificate of conformity	One copy each

FOCUS IN MATERIAL TEST

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