



# METPRESS-PVM1000 Automatic Press Cold Mounting Machine



**19 YEARS**

Development Base of Advanced Testing Of China

## Introductions

METPRESS-PVM1000 fully automatic pressure cold mounting machine uses PLC control, a high-intensity pressure cooker and a built-in air pump to complete the entire mounting process of multiple pressurization, pressure maintenance, and deflation with one click. It is a special mounting machine designed for the special requirements of cold mounting equipment. 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. Quickly reach the working pressure 0.2Mpa (2 atmospheres).
2. Complete the entire inlay process including multiple pressurization, pressure maintenance, and deflation cycles with one click;
3. 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.
4. Process parameters such as air pressure, pressure maintenance time, deflation, number of cycles, and inlay completion reminder can all be set;
5. 999 sets of process parameters, set according to different materials and samples, password protected and easy to call;
6. Multiple pressure protection, the product is 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 pressure relief valve on the top of the container automatically releases the pressure immediately.
7. 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.
8. Built-in air pump, low noise, oil-free, pollution-free and maintenance-free.
9. The special deflation valve can implement multiple cycles of pressurization and deflation inlay processes.



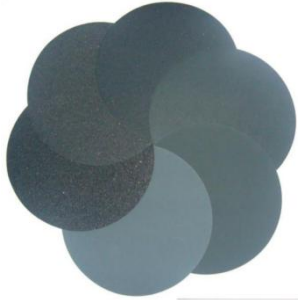
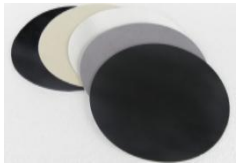






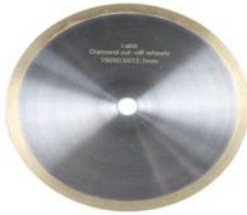

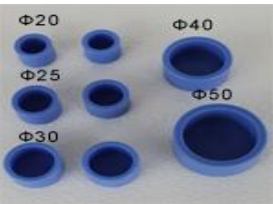



## Main Technical Parameters

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

## Packing List:

Item	QTY.	Item	QTY.
Mosaic machine main box	1 set	Pressure vessel	1 set
High pressure air pipe	1	Instructions Manual	1
CM4 cold mounting resin Resin 200ML + curing agent 100ml	1 set	Certificate of conformity	1

### Metallographic consumables

			
<p>Diamond cutting piece</p>	<p>Resin cutting sheet</p>	<p>Metallographic sandpaper</p>	<p>Polishing cloth</p>
			
<p>Alumina polishing powder</p>	<p>Cold/hot mosaic powder</p>	<p>Coolant</p>	<p>Diamond paste</p>
			
<p>Polishing plate</p>	<p>Diamond polishing agent</p>	<p>Diamond cutting piece</p>	<p>Mounting material</p>
			
<p>Die for cold Mounting</p>	<p>Metallographic sandpaper</p>	<p>Metallographic sandpaper</p>	<p>MEGULAR</p>

## CE certification



## MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **Jinan Kason Testing Equipment Co., Ltd.**

Company Address : No.4715, Jingshi West Road, Huaiyin District, Jinan, Shandong, China

Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**

Related Standards : **EN ISO 12100:2010; EN 60204-1:2018**

Product Name : **Testing Machine**

Report No and Date : **TCF-JKTE230605-MD**

Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDW-1E, WDW-2E, WDW-3E, WDW-5E, WDW-10E, WDW-20E, WDW-30E, WDW-50E, WDW-100E, WDW-200E, WDW-300E, WDW-500E, WDW-600E, WDW-1000E, ETM103, ETM203, ETM303, ETM503, ETM104, ETM204, ETM304, ETM504, ETM105, WE-3000, WE-6000, WE-10000, WE-20000, HUT305S, HUT405S, HUT105S, HUT126S, WEW-300D, WEW-600D, WEW-1000D, WEW-1200D, WEW-2000D, WEW-3000D, HUT305E, HUT405E, HUT105E, HUT126E, HUT-A306E, HUT-A206E, WAW-300D, WAW-600D, WAW-1000D, WAW-1200E, WAW-2000E, WAW-3000, WAW-2000A, WAW-3000A, WAW-4000A, HUT-A206W, HUT-A306W, HUT-A406W, HUT305W, HUT405W, HUT105W, HUT126W, WAL, LAW, HUT-L, JB-300, JB-300B, JB-500B, JBS-300, JBS-500, JBW-300, JBW-500, JBDW-300, JBDW-500, CST-50, VHS-VH-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-150, YES-1000, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, EZ-1, EZ-3, EZ-10, JWJ-10, TLS, TLW, HVS, PLS-20, PLS-50, PLS-100, PLS-300, PLS-500, PLS-1000, KASON-1, RDJ-10, RDJ-20, RDJ-50, RDJ-100, DWTT-20000, DWTT-30000, DWTT-40000, DWTT-50000, DWTT-80000, DWTT-100000, PIT-302, PIT-302M, PIT-502, PIT-502M, PIT-302T, PIT-502T, PIT-302W, PIT-502W, PIT-502TW, PIT-302CW, PIT-502CW, PIT-602CW, PIT-752CW, PIT-302CT, PIT-452CT, PIT-602CT, PIT-752CT, PIT-D302W, PIT-D502W, PIT-D302T, PIT-D502T, PIT-D302CW, PIT-D302CT, PIT-D452CW, PIT-D452CT, PIT-D752CW, PIT-D752CT, PIT-D302G, HCT106, HCT206, HCT304, KSCTM, HYJ, HEZ-3, HEZ-5, HEZ-10, HEZ-20, KSBT-10, KASON 370.02, KASON 370.05, KASON 370.10, KASON 370.25, KASON 370.50, MMW, GBW-60B, GBS-60B, HUT, ETM, XNR, GW-40, GW-50, MRS, MMU, MRH, GBW, GW, LSW, HBT, GLY, GCJ-1000, GWQ-1000, GNZ-1000, GQR-1000, GJR-300, GSS-1000, GMS-100, GFW-500, GQC-5, GQC-100, HR-150A, HRD-150, HRS-150, XHR, HB, HVS, HV, HBRV, W-20, HBA-1, LHT, Q-2A, MP-2, XQ-2B, XD-30M, 4XCE, 4XB, JSZ, MOPA0, MPT, P, MP, BG, LBG-32, MPJ-3.5, Q-Z, Q-100B, SQ, Q-3A, QG-4, LSQ, LDQ, GTQ-5000A, GTQ-5000B, DTQ, ZXQ, 4XC, HST, KASON, KS, KSCLUT, HTR, HTPR, HTB, HSTR-45S, HTV, HTMV, HTBRV, METRPRESS, MPJ

Certificate Number : **M.2023.206.C86313**

Initial Assessment Date : **07.06.2023**

Registration Date : **08.06.2023**

Reissue Date/No : **-**

Expiry Date : **07.06.2028**

  
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## ISO certification



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