

MPress-A

Metallographic Auto Mounting Press
(Hydraulic Pressure)



Contact us

Mikrosize Precision Instrument Co.,Ltd

A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.

Web:www.mikrosize.com

Email: mikrosize@mikrosize.com



Product Feature&Application

Product Feature

- Advanced hydraulic water-cooling automatic mounting press makes quickly sample mounting.
- Program controlled mounting process, realizing the one-key operation of heating, loading, holding, cooling and unloading.
- Audible and visual alarm function after sample mounted.
- Safe cooling and mounting separation design.
- High definition touch screen, displaying by curve of real-time pressure, temperature.
- Powerful hydraulic pump makes the mounted sample more compact.
- Special rotary locking design makes operation more convenient.



MPress-1A Single Mounting Head



MPress-2A Dual Mounting Head

Product Application

Mounting is a very important process of metallographic sample preparation, especially for some difficult holding tiny samples, irregularly shaped samples, and what needs for protecting edge or automatic grinding and polishing, mounting is an essential procedure before sample preparation. MPress-A is the ideal equipment for sample mounting with stable and reliable performance.

User Friendly

Audible and visual alarm function, electrical plus water cooling system, and rotary locking design,makes mounting process more easy and safe , with emergency stop button.



Emergency Stop Button



Operating handle



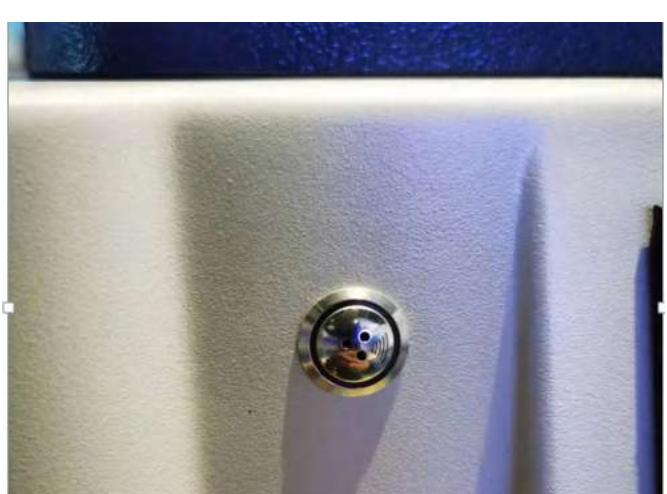
Electrical & Water Cooling System



Heat Dissipating Function



Water Inlet/Outlet



Audible and visual alarm function



Inlaying Opening



Inlaying Opening

User Friendly

High definition touch screen, displaying by curve of real-time pressure, temperature, with two operation mode: temperature mode& time mode, according to end users' choice.



The interface is divided into several sections:

- MPress-2A** section: Displays "Heat Time", "Hold Time", "Cool Time", and "Total Time" with corresponding icons (Pressure, Temperature) and units (bar, °C). A "SET" button is below.
- OPERATION MODE** section: Contains "Temperature Mode" and "Time Mode" buttons.
- TIME MODE** section: Contains "Start Heating" and "Stop Heating" buttons with corresponding icons.
- TEMPERATURE MODE** section: Contains "Thermoset" and "Thermoplastic" buttons, and input fields for "Min. Heat Time", "Heat Temperature", "Min. Cool Time", "Cool Temperature", "Hold Time", and "Process No.".
- Common buttons at the bottom: "UNLOCK", "START", "UP", "DOWN", "Call", "Save", "Ok", and "Return".

Ordering Information

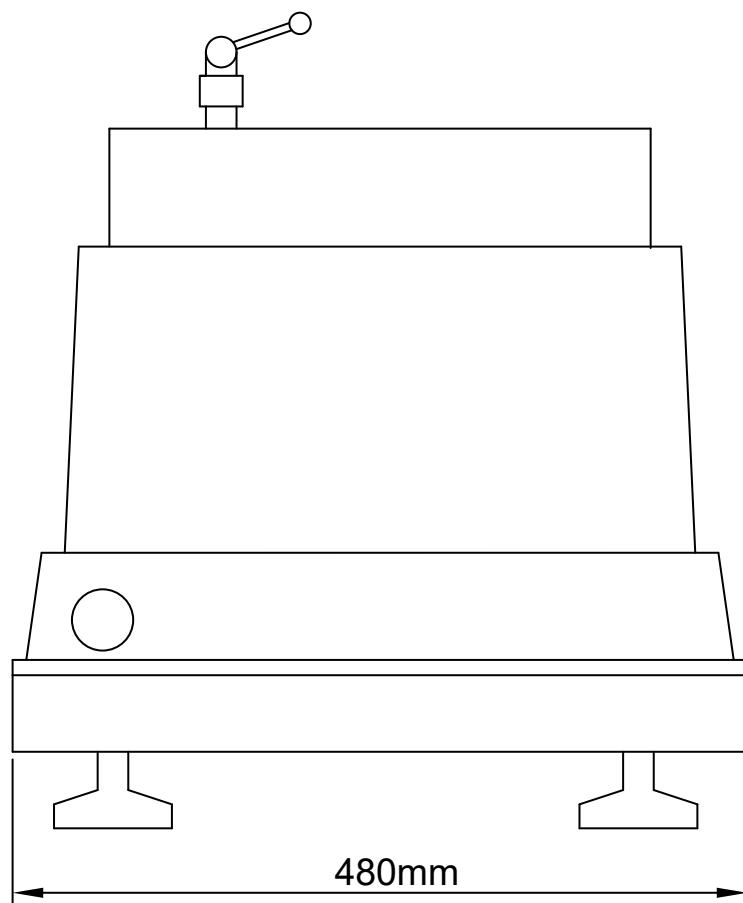
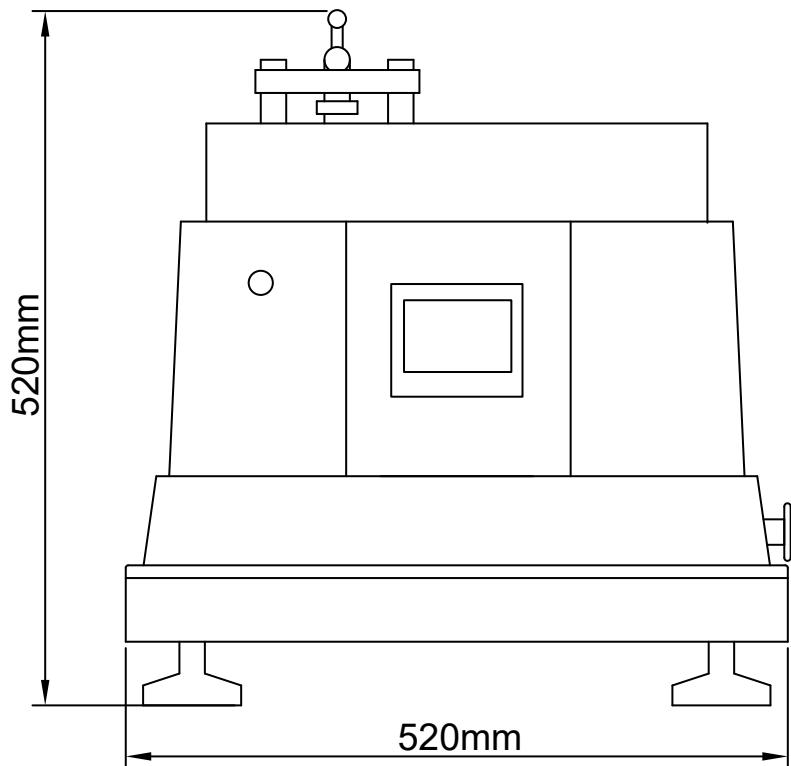


MPress-1A Auto Mounting Press (Single)



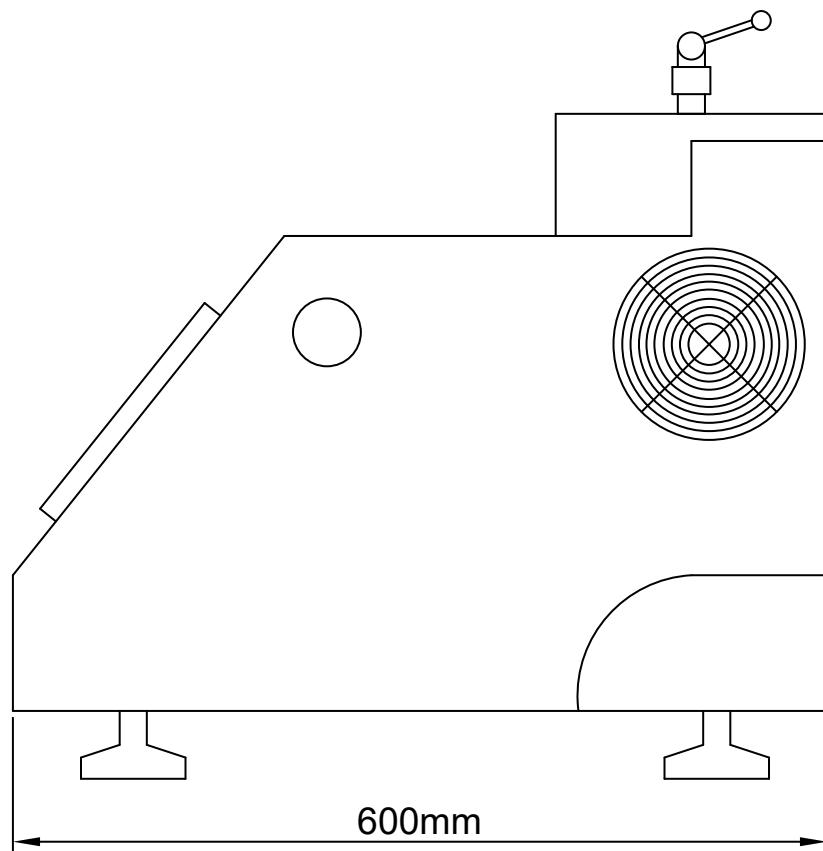
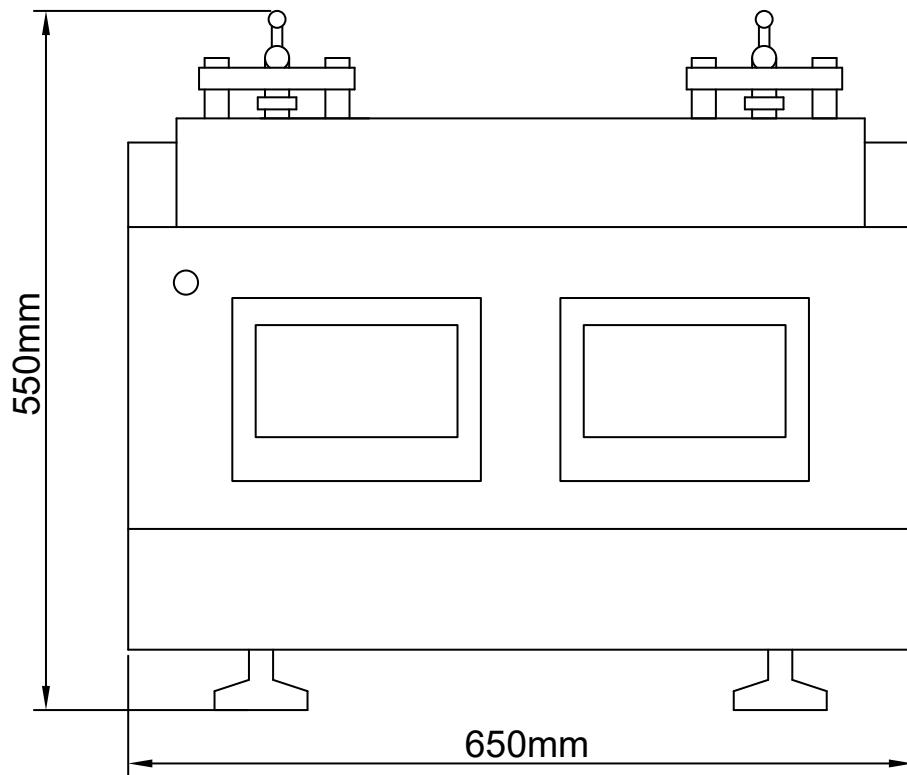
MPress-2A Auto Mounting Press (Dual)

Instrument Dimension



MPress-1A Single Mounting Head

Instrument Dimension



MPress-2A Dual Mounting Head

Technical Specification

Product Name Model	Metallographic Auto Mounting Press	
Mounting Head	MPress-1A	MPress-2A
Mould Diameter	Single	Dual
Cavity Height Heating	$\Phi 25\text{mm}$, $\Phi 30\text{mm}$, $\Phi 40\text{mm}$ (Choose one)	
Power Pressure	108mm, effective 60mm	
Heating Temperature	150bar (equivalent to 15Mpa, 150kgf/cm ² , not adjustable)	
Hold Time	50~180 °C (The default is 120 °C)	
Cooling Method	Adjustable (The default is $\Phi 40\text{mm}$ 1min30s, $\Phi 25\text{mm}/\Phi 30\text{mm}$ 1min)	
Power Supply	External water source cooling	
Machine Dimensions	220V, 50Hz, 10A	
	520×480×520mm	650×600×550mm
Net Weight	60Kg	105kg

Packing List

Name	Specification	Qty
Machine Mainframe	/	1 set
Rotary Handle	/	1 pc
Upper Mould Block	/	1 pc
Pump Breathing Cap	/	1 pc
Water Inlet Pipe	/	1 pc
Water Outlet Pipe	Φ10mm	1 pc
Water Inlet Filter Screen	/	1 pc
Hoop	/	1 pc
Bakelite Powder	500g	1 bottle
Measuring Cup	/	1 pc
Funnel	/	1 pc
Usage Instruction Manual	/	1 copy



Bakelite Powder



Bakelite Powder in Different Color

Optional Accessories

Name	Specification
Thermoset Mounting Material	Black, White, Green, Red
Thermoplastic Mounting Material	Transparent
Conductive Mounting Material	Black
Circulating Cooling System	Customized.
Mounting Clamp	Customized.



Mounting Clamp



Conductive Mounting Material



Thermoplastic Mounting Material



Transparent Sample