

MIDLAND METROLOGY LIMITED

# **MPress-A** Metallographic Auto Mounting Press (Hydraulic Pressure)



# Product Feature & Application

## Product Feature

- Advanced hydraulic water cooling automatic mounting press making quick sample mounting.
- Program controlled mounting press with one key operation for heating, loading, holding, cooling and unloading.
- Audible and visual alarm function after the sample is mounted.
- Safe cooling and mounting separation design.
- High definition touch screen.
- Powerful hydraulic pump making the mounted sample more compact.
- Rotary locking design making operation more convenient.



**MPress-1A Single Mounting**



**MPress-2A Dual Mounting Head**

## Product Application

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

# User Friendly

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



Emergency Stop Button



Operating handle



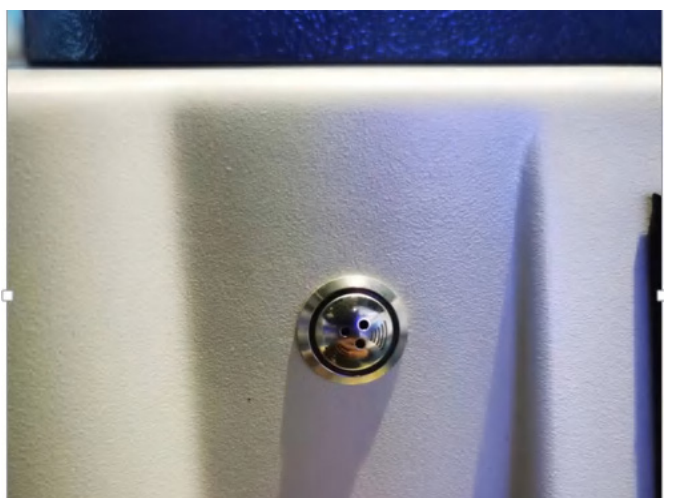
Electrical & Water Cooling System



Heat Dissipating Function



Water Inlet/Outlet



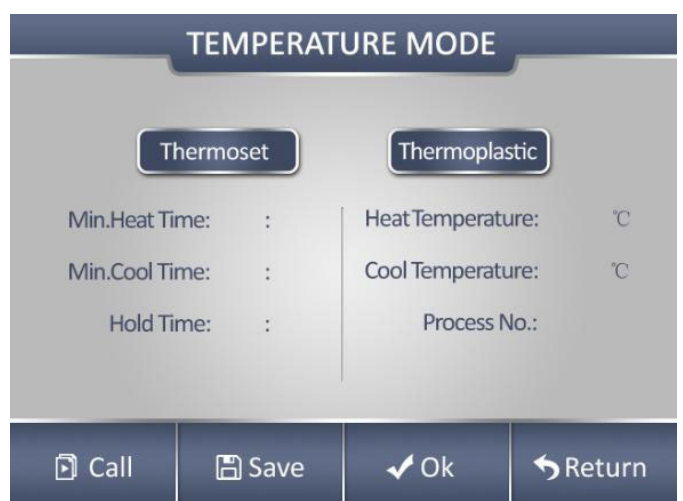
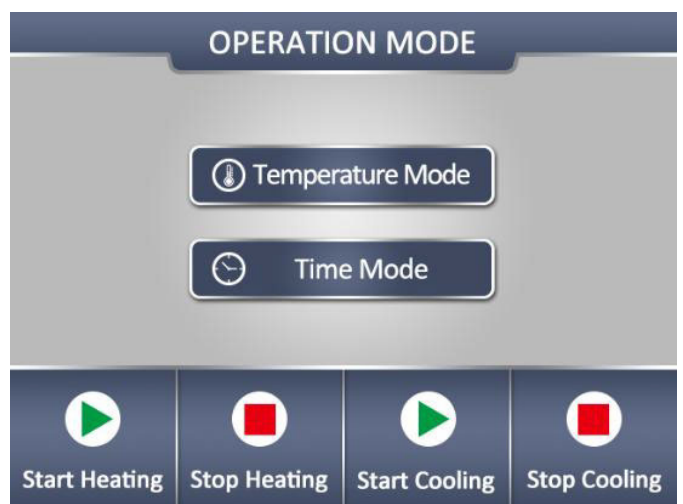
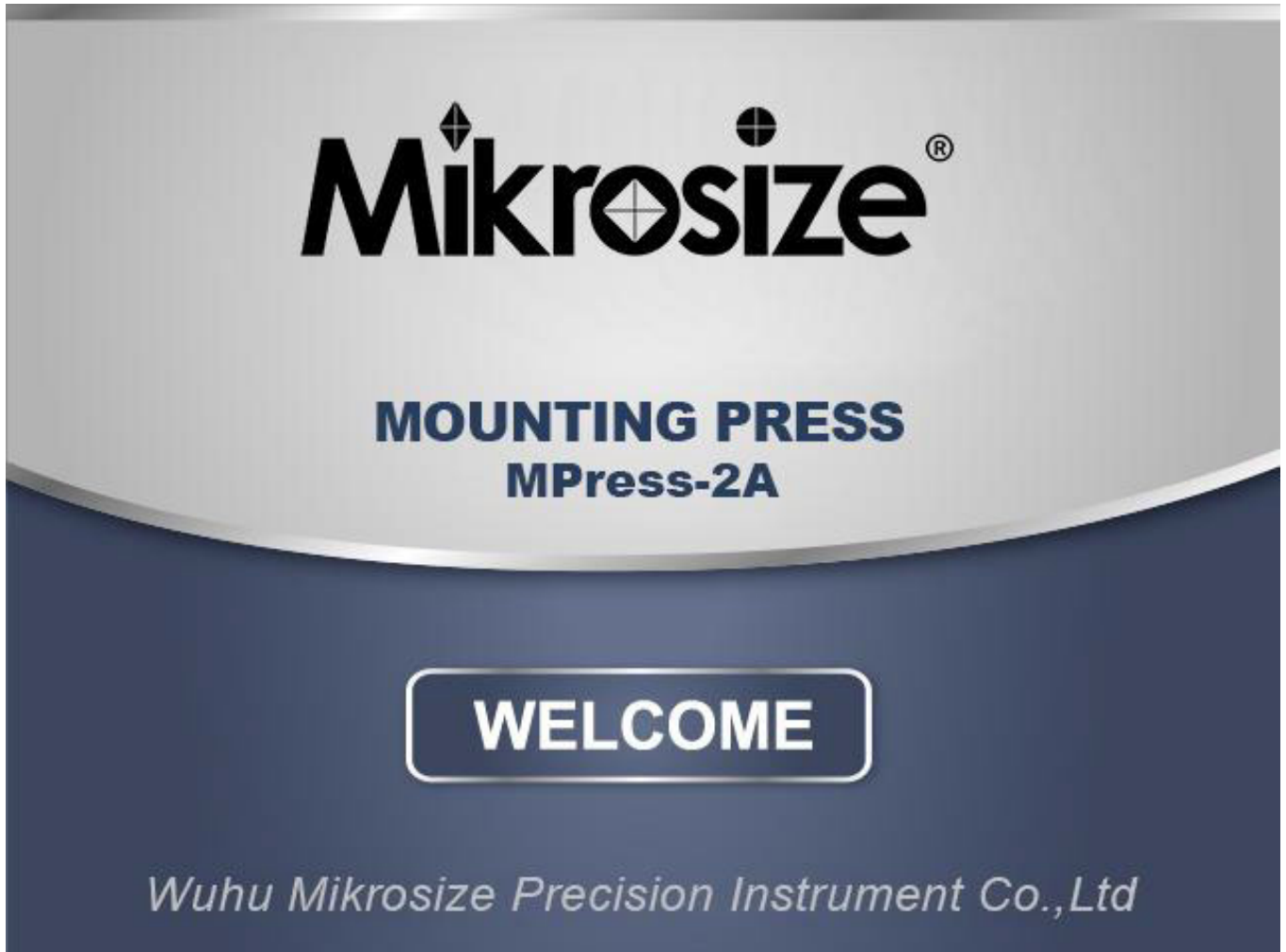
Audible and visual alarm function



Inlaying Opening

# User Friendly

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



# Ordering Information



MPress-1A Auto Mounting Press (Single)



MPress-2A Auto Mounting Press (Dual)

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# Technical Specification

	<b>Metallographic Auto Mounting Press</b>	
	<b>MPress-1A</b>	<b>MPress-2A</b>
Product Name	<b>Metallographic Auto Mounting Press</b>	
Model	<b>MPress-1A</b>	<b>MPress-2A</b>
Mounting Head	Single	Dual
Mould Diameter	°25mm, °30mm, °40mm (Choose one)	
Cavity Height Heating	108mm, effective 60mm	
Power Pressure	°25mm/°30mm 1.2kW; °40mm 1.6kW	
Heating Temperature	150bar (equivalent to 15Mpa, 150kgf/cm <sup>2</sup> , not adjustable)	
Hold Time Cooling	50~180 °C (The default is 120 °C)	
Method Power	Adjustable (The default is °40mm 1min30s, °25mm/°30mm 1min)	
Supply Machine	External water source cooling	
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	°10mm	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 Colours**

# 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**