

Mikrosize®

iPress-1A Auto Metallographic Mounting Press(Electric Motorized)



Contact us

Mikrosize Precision Instrument Co.,Ltd

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

Web: www.mikrosize.com

Email: mikrosize@mikrosize.com



Web: www.mikrosize.com

Email: mikrosize@mikrosize.com

Product Features and Application

Product Features

- Multi-function mounting.
- Automatic heating and pressurization, automatic cooling and shutdown after pressing and forming, fully automated operation.
- Parameters can be set through the touch screen setting keys.
- A variety of sample pressing specifications are available, including $\phi 22\text{mm}$, $\phi 30\text{mm}$, and $\phi 45\text{mm}$.
- Manual auxiliary function, after the automatic operation is completed, the mold opening and part removal operation can be performed through the manual button.
- Easy to operate: there are clear button markings on the board, which is easy to operate. The buttons outside the screen have the same functions as the touch screen buttons, and the up and down, start and stop functions can be operated in the manual state.
- Self-check protection after startup to ensure the normal operation of the equipment.

Product Application

- Material science:
Material samples can be made into specimens of standard size for mechanical property testing, microstructure observation and other experiments.
- Metallurgy industry:
In the production and use of metal materials, metal samples can be made into specimens suitable for microscopic observation, and metallographic analysis, scanning electron microscope observation and other experiments can be carried out to analyze the organizational structure, component distribution, etc. of the material.
- Geology and mineral resources:
Mineral samples can be made into specimens suitable for microscopic observation, and used for mineralogical research, ore deposit research, etc., to identify and evaluate ores and minerals during the exploration and development of mineral resources.



Instrument Appearance



1. Upper mold cover 2. Display screen 3. Up button 4. Start button
5. Down button 6. Stop button



The Right Side of Machine

1. Switch 2. Emergency stop button

Instrument Appearance



Machine on the Back

1. Power cord interface

2. Inlet pipe

3. Outlet pipe

Screen Function



Interface

After powering on, enter this interface, which mainly includes the following functions:

- 1. Real-time display of temperature-time curve
- 2. Display of holding time and cooling time
- 3. Control of equipment start and stop
- 4. Equipment status indication and control of equipment rise and fall

	TEMP.	HOLDIN	COOLIN	HOLDI
One	130	200	300	☒
Two	0	0	0	☐
Three	0	0	0	☐
Four	0	0	0	☐
Five	0	0	0	☐
Six	0	0	0	☐
Seven	0	0	0	☐
Eight	0	0	0	☐
Nine	0	0	0	☐
Ten	0	0	0	☐

Language:

中文☐

English☒

RETURN

Interface

The main function of this interface is to set multiple sets of parameter data. Up to 6 sets of data can be set. Click the parameter screen to pop up the numeric keyboard, and enter the required number. Users can directly select the appropriate parameter data on this interface without setting each parameter separately. This interface can also select the display language. This device supports both Chinese and English.

Product Details



The Top of Machine

The machine can be raised and lowered by touch screen or by buttons on the panel, and the raising and lowering are smooth. The machine can automatically heat and pressurize, and will automatically cool and stop after pressing and forming.



Technical Specification

Product Name	Auto Metallographic Mounting Press(Electric Motorized)
Model	iPress-1A
Sample Pressing Specification	Φ22mm、Φ30mm、Φ45mm(Choose one)
Heater Power	700W
Total Power	970W
Input Voltage	220V 50Hz
Holding Time Range	0-99min
Heating Temperature Range	35-200℃
Cooling Mode	Water cooling
Machine Dimension	380*3550*420mm
Net Weight	52KG
Gross Weight	64.5KG

Standard Delivery

Name	Model	Qty	Picture
Machine Mainframe	iPress-1A	1 set	
Mounting Power	iPress-1A	1 bottle	
Thermocouple	iPress-1A	1 pc	
Inlet Pipe	iPress-1A	1 pc	
Outlet Pipe	iPress-1A	1 pc	
Filter	iPress-1A	1 pc	
Pipe Hoop	iPress-1A	2 pcs	
Instruction Manual	iPress-1A	1 copy	
Product Certificate	iPress-1A	1 copy	
Warranty Card	iPress-1A	1 copy	