

Mikrosize®

iPress-2EA

Auto Metallographic Mounting Press(Electric Motorized)



Contact us

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Product Features and Application

Product Features

- Multifunctional mounting, suitable for mounting small, difficult to hold or irregular workpieces, only suitable for thermosetting materials (such as bakelite powder).
- Automatic operation.
- Easy to operate.
- Set parameters on the screen, click on the number to modify and press the ENT key to save.
- With manual operation mode, the lower mold can be raised and lowered by buttons to facilitate confirmation of equipment status.
- Chinese and English interfaces can be switched.
- Parameters can be adjusted and displayed.
- Replaceable steel sleeves for samples of different specifications (standard configuration of 4 sizes of cylinder sleeves, customized sizes).
- Automatic temperature control, temperature, pressure, time and other parameters can be displayed during operation.
- Safe and energy-saving.

Product Application

- Material science:
Material samples can be made into specimens of standard size for mechanical property testing, microstructure observation and other experiments.
- Metallurgical 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 microscopy observation and other experiments can be carried out to analyze the organizational structure, component distribution, etc. of the material.



Instrument Appearance



Machine on the Front

- | | | | |
|---------------------|--------------------------|--------------------|-----------|
| 1. Upper mold cover | 2. Emergency stop button | 3. Indicator light | 4. Switch |
| 5. Display screen | | | |



Machine on the Back

- | | | |
|---------------|----------------|---------------|
| 1. Power cord | 2. Outlet pipe | 3. Inlet pipe |
|---------------|----------------|---------------|



Instrument Appearance



The Top of Machine

This machine is equipped with 4 types of replaceable cylinder sleeves. The steel sleeve must be replaced in a cooling state. The cylinder sleeve has been specially processed and can be inlaid with two samples at a time. It can automatically heat and pressurize, and automatically stop after cooling after pressing and forming.

Screen Function



Interface

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

1. Display and setting of temperature, pressure, constant temperature time, and cooling time parameters. Touch the parameter part to pop up the numeric keyboard, and enter the value required by the user
2. Equipment status indication
3. Selection of automatic adjustment and manual adjustment
4. Control of equipment lifting and starting and stopping

	TEMP.	HOLDING TIME	COOLING TIME	PRESSURE	SELECTED
1	135	300	300	8000	<input checked="" type="radio"/>
2	0	0	0	0	<input type="radio"/>
3	0	0	0	0	<input type="radio"/>
4	0	0	0	0	<input type="radio"/>
5	0	0	0	0	<input type="radio"/>
6	0	0	0	0	<input type="radio"/>
7	0	0	0	0	<input type="radio"/>
8	0	0	0	0	<input type="radio"/>
9	0	0	0	0	<input type="radio"/>
10	0	0	0	0	<input type="radio"/>

Pressure Max.: 10000
 Min.: 200

Language 中文 ☐
 English ☒

RETURN

	TEMP.	HOLDING TIME	COOLING TIME	PRESSURE	SELECTED
1	135	300			<input checked="" type="radio"/>
2	0	0			<input type="radio"/>
3	0	0			<input type="radio"/>
4	0	0			<input type="radio"/>
5	0	0			<input type="radio"/>
6	0	0			<input type="radio"/>
7	0	0	0	0	<input type="radio"/>
8	0	0	0	0	<input type="radio"/>
9	0	0	0	0	<input type="radio"/>
10	0	0	0	0	<input type="radio"/>

Pressure Max.: 10000
 Min.: 200

Language 中文 ☐
 English ☒

RETURN

Interface


The main function of this interface is to set multiple sets of parameter data. Up to 10 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.



Technical Specification

Product Name	Auto Metallographic Mounting Press(Electric Motorized)
Model	iPress-2EA
Mounting Sample	φ25mm φ30mm φ40mm φ50mm
Replaceable Steel Sleeve	φ25mm φ30mm φ40mm φ50mm
Heating Temperature Range	35-200°C
Input Voltage	220V 50Hz
Automatic Cooling Time	0-60min
Pressure Holding Time Range	1-99min
Cooling Mode	Water cooling
Heater	220V 1500W
Power	1650W
Machine Dimension	580*625*580mm
Net Weight	82.3KG
Gross Weight	103.5KG

Standard Delivery

Name	Specification	Qty	Picture
Machine Mainframe	iPress-2EA	1 set	
Mounting Power	iPress-2EA	1 pc	
Thermocouple	iPress-2EA	1 pc	
Plastic Spoon	iPress-2EA	1 pc	
Inlet Pipe	iPress-2EA	1 pc	
Outlet Pipe	iPress-2EA	1 pc	
Interchangeable Steel Mold	φ25、φ30、φ40、φ50	1 pc ea.	
Hexagon Wrench (M4)	iPress-2EA	1 pc	
Pipe Hoop	iPress-2EA	2 pcs	
Filter	iPress-2EA	1 pc	
Instruction Manual	iPress-2EA	1 copy	
Product Certificate	iPress-2EA	1 copy	
Warranty Card	iPress-2EA	1 copy	