

## Automatic metallographic mounting press

Model: HXQZ-1

Metallographic specimen inlay is a very important step in the process of metallographic specimen preparation. It is especially suitable for some tiny samples which are difficult to handle or have irregular shape, easy to handle or follow-up automatic grinding and polishing (can be used with the company's automatic grinding and polishing machine, the effect is better).



### Main functions and features:

- 1、 The shell adopts high-end ABS one-piece forming, with novel appearance and high-end atmosphere。
- 2、 Touch screen display control, clear and intuitive interface, easy to operate。
- 3、 Using high-end precision hydraulic, mute technology, the whole working process noise-free
- 4、 The whole process is fully automatic closed-loop control, only one key to automatically complete all the mosaic process。
- 5、 With cooling system, cooling faster, more efficient mosaic, cooling mode can choose time cooling mode, set the cooling time, when the automatic stop, can also choose temperature cooling mode, set the cooling temperature, to achieve automatic stop temperature.
- 6、 A variety of mold specifications optional, special mold can be customized according to customer needs。
- 7、 Manual operation can be automatic operation, according to customer needs can be arbitrary DIY operation, more flexible and convenient to use。
- 8、 Can store more than 100 sets of MOSAIC PROCESS FORMULA, easy to quickly call, to achieve serial production。
- 9、 According to customer needs to meet customer customized needs, all-round one-stop service。
- 10、 Four samples can be embedded at the same time, so that the mosaic efficiency doubled in an instant
- 11、 Program built-in Intelligent Algorithm, can choose time mode and intelligent mode (especially suitable for first-time users)

**Technical parameter:**

|                           |   |
|---------------------------|---|
| Model                     | HXQZ-1  |
| Die Specification         | Standard $\phi$ 30 (option 22mm, 45mm)  |
| Effective depth of die    | 70mm  |
| Heating Power             | 2KW   |
| loading mode              | Electro-mechanical pressurization   |
| Temperature setting range | 0-200°C   |
| Pressure setting range    | 0-99Minutes   |
| Cooling setting range     | 0-99Minutes   |
| Mosaic time               | 7 minutes (From heating to 155 degrees to cooling to 40 degrees, black inlay, inlay thickness within 20 mm) |
| Mosaic material           | Thermoset   |
| Power supply              | Voltage: 220V Voltage: 50HZ   |
| Total power               | 2.2KW   |
| Dimension                 | 460X580X550   |
| Weight                    | 65KG  |

**Configuration list:**

| Product accessories     | Unit                          | Quantity | Notes                            |
|-------------------------|-------------------------------|----------|----------------------------------|
| Diameter $\Phi$ 30      | 1                             | One      | Has Been installed on the device |
| MOSAIC (black)          | 500                           | g        |                                  |
| Feeding Spoon           | 1                             | One      |                                  |
| Funnels                 | 1                             | One      |                                  |
| Brush                   | 1                             | One      |                                  |
| Intake pipe             | 1                             | Root     | 6Split interface                 |
| Outlet Pipe             | 1                             | Root     |                                  |
| Technical Documentation | 1 copy of product description |          | 1 Certificate of conformity      |