



深圳市宏之都科技有限公司

HONGDU TESTING EQUIPMENT CO., LTD.

## HD-8120 Heating deformation testing machine



HD-8120 heating deformation testing machine, this machine is suitable for leather, plastic, rubber, cloth, deformation before and after heating. The auxiliary epoxy powder coating layer is light in weight, small in size, beautiful in appearance and widely used.

### Technical Parameters:

Second, the conditions of use

2.1, power supply: 220V 50Hz

2.2, ambient temperature: 5 ~ 35 ° C

2.3. Ambient humidity: ≤85%R.H

2.4 power: 3.5KW

Third, the performance indicators

3.1, power supply: AC 220V

3.2, current: MAX 15A

3.3, temperature range Room temperature:  $\pm 20^{\circ}\text{C}$  ~  $200^{\circ}\text{C}$  temperature digital display, temperature control PID adjustment.

3.4, temperature fluctuation: 0.5% (calculated at the highest temperature)

3.5, temperature uniformity:  $\pm 1\%$  (calculated at the highest temperature)

3.6, distribution error:  $\pm 3^{\circ}\text{C}$

3.7, heating time: from normal temperature to  $200^{\circ}\text{C}$ , about 40 minutes.

3.8, machine structure and material:

3.8.1, inner box size: length 600mm \* depth 400mm \* height 350mm

3.8.2, outer box size: length 1070mm \* width 560mm \* height 880mm

3.8.3, inner box material: SUS #304 stainless steel.

3.8.4, outer box material: 1.25mm A3 steel, using electrostatic baking paint.

3.8.5, insulation material: high density asbestos.

3.8.6, heater: a set of solenoid heater: 220V 3.2KW

3.8.6, ancillary equipment

3.8.6.1, no fuse switch

3.8.6.2b, over temperature protection and indicator

3.8.6.3, indicator lights for various actions

3.8.6.4, Timer: 0~999 hours arbitrarily set

3.8.6.5, wide-angle projection lighting equipment.

3.8.6.6, multi-layer vacuum glass window.

3.8.6.7, three racks in the laboratory.

3.8.6.8, using anti-riot door locks.

3.8.6.9, with sound prompts to the test time

3.8.6.10, with adjustable fixed PU movable wheel 4

3.8.7, deformation measuring device

3.8.7.1, using the Japanese MITUTOYO scale three.

3.8.7.2, deformation resolution: 0.01mm

3.8.7.3, using a counterweight to offset the external load

3.8.7.4, load weight: 50g, 100g, 200g, 500g, 1000g each three

3.8.7.5, deformation amount zeroing device

3.9, air circulation system:

Multi-blade centrifugal circulation fan: one blower: 1 & 220V 200W

3.10, circuit control system:

3.10.1. Temperature controller adopts microcomputer electronic setting and digital display (made in Taiwan)

3.10.2. This system uses the control of PROPORTIONAL+INTERGRAL+DIFFERENTIAL+SCR (ie proportional, integral, differential + SCR) to improve the life and stability of the interface of the control component.

3.10.3. With PID automatic calculation function, no manual setting is required.

3.10.4. Use high precision filament sensor.