BP-8170-A-PLC

LABORATORY PRESS MACHINE/PLC CONTROL/ ELECTRIC HEATING WATER COOLING TYPE

The material is placed in the mould and clamped between the electric-heating flat plates to apply pressure and temperature for making the material shape, testing and serving as the basis for the ingredient of mass production.

1. Capacity: 20 tons
2. Working mode: With two working modes: manual and automatic
3. Temperature range: RT～300℃
4. Controller: PLC programmable color touch screen, human-machine interface operation, intuitive vulcanization curve interface, dynamic display and monitoring of molding process, can control all molding cycles
5. Temperature accuracy:±2℃
6. Heating method: Electro-thermal tube
7. Cooling method: Tap water cooling(Water connection port supplied by customer)
8. Heating-up time: Normal temperature~200℃, about 35 min
9. Timer: LED digital display, 0.1S～99M～9.9H, time is settable
10. Exhausting frequency: 0～10 times can be set
11. Gradient pressure: 2 stages, 1st and 2nd stage pressure can be preset
12. Pressure gauge: 0～350kg/cm2
13. Heat pressing plate: 300×300mm
14. Cool pressing plate: 300×300mm
15. Distance of pressing plate: 70mm
16. Working layers: It consists of two layers. Upper-layer mould pressing plate heating and lower-layer mould pressing plate cooling
17. Material of pressing plate: SKD chrome molybdenum alloy
18. Surface of pressing plate: HRC60 mirror chrome plating
19. Safety protection: Self locking safety glass door, opening the door panel can cut off all running actions
20. Oil pressure system: GPY oil pump drives high-performance electro-hydraulic injection into a resistance free oil cylinder to execute an equal rate control mode, with automatic pressure compensation and delayed oil pump shutdown function
21. Oil pressure media: Mobil 32# anti-freezing hydraulic oil （Provided by the customer）
22. Cylinder speed: 17mm/s single speed function
23. Volume: 1100×470×1470(W×D×H)mm
24. Power supply: 3∮，AC380V，20A, three-phase and five-line（The connection port is provided by the customer）
25. Weight: About 658kg

■Accessory: Stainless steel mirror retainer plate
300×300×1*2 pieces

■Files: Manual and Product quality assurance card

Feature

Four pressing plates are made of SKD chromium-molybdenum steel. With the surface-layer processing of high frequency, carburization, chromium plating and polishing, the hardness reaches 60HRC, making the plates durable.

Four high-strength , precise guide pillars bear the mould locking device of two-layer mould pressing plate. The design of the rack is based on heavy-duty structural steel, which can reduce the risk of deformation and damage effectively . The parallelism between the mould pressing plates is extremely high, together with stable loading and durability, to meet the requirements of high - precision pressure pieces.

Patented heating control technology, equipped with imported high-precision PIO digital temperature control display, and heat transfer tubes distributed according to heat density can ensure uniform temperature distribution on the surface of the heating plate.

The mould pressing plate consists of the upper heating area and the lower cooling area .The upper layer is equipped with multiple rows of heat transfer tubes inside with stable heating and the lower layer is connected to the S-shaped cooling tube with quick temperature drop. The integration of electric heating and cooling contributes to its wide application .

The hydraulic system is featured by automatic compensation, time delay stopping and pressure maintenance, with at least settable duo-pressure and two unit displays. And multiple exhaust operations can be set at will.The combined design optimization of electrohydraulic drive can improve the efficiency and reduce energy consumption.

The electronic control system is dispensed according to CE or higher standard specifications. The electrical components are of pure brand. The temperature control and time and pressure can be set and displayed . The molding action has manual and automatic working modes, which are convenient, accurate and reliable.


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