

BP-8170-E

LABORATORY PRESS MACHINE/PLC CONTROL
/INTEGRATION OF ELECTRIC HEATING AND WATER
COOLING/VACUUM TYPE

The machine is equipped with a high negative pressure vacuum cover, which can press and shape materials in a completely vacuum environment.

1. Capacity: 20 tons
2. Working mode: There are manual and automatic working modes
3. Temperature range: RT~400℃
4. Temperature accuracy:±2℃
5. Controller: PLC programmable color touch screen, man-machine interface operating system, vulcanization curve interface intuitively, dynamic display and monitoring of mold pressure process, can control all mold pressure circulation.
6. Heating method: Electro-thermal tube
7. Size of the pressing plate:300×300×60mm
8. Distance of pressing plate:150mm
9. Material of pressing plate: SKD chrome molybdenum alloy
10. Surface of pressing plate: HRC60 mirror chrome plating
11. Working layer: One work layer. The upper and lower plates both have heating and cooling system function.
12. Cooling method: Tap water cooling. after the heating process is finished, the system automatically switches to the cooling process and cooling at full pressure (without mold opening) (Water connection port supplied by customer)
13. Gradient pressure: 2 stages, 1st and 2nd stage pressure can be preset
14. Exhausting frequency: 0~10 times can be set
15. Exhausting pause: Yes
16. Sensor: 0-15 Mpa, Specially configured
17. Valve plate in special type: Specially configured
18. Double proportional valve: Specially configured
19. Vacuum degree: ≥0.096Mpa
20. Vacuum pump: 1.5KW
21. Pumping rate: 100m³/s
22. Oil pressure system: The proportional hydraulic flow valve circulation control system has the functions of automatic pressure compensation, pressure maintaining and oil pump delayed shutdown. Dual speed working mode, which uses high approach speed for low pressure and low approach speed for high pressure. Multiple exhaust times can be set to ensure that the template pressure reaches saturation.
23. Oil pressure media: Mobil 30# anti-freezing hydraulic oil (provided by the customer)

24. Speed of oil tank: Two-speed function of 11~50mm/s, close the mould quickly and lock it slowly: adopt high approach speed in low pressure and low approach speed in high pressure.
25. Volume: 950×500×1470(W×D×H)mm
26. Power supply: 3 ϕ , AC380V, 20A, three-phase and five-line (The connection port is provided by the customer.)
27. Weight: About 658kg

Feature

1. Fast rising, slow locking, fast falling function of the moving template, fast turning slow of the mold closing and fast turning slow of the exhaust can be adjusted respectively.
2. The oil circuit configuration is more reasonable and reliable. When the product is vulcanized and formed, the oil pump motor stops working and has automatic pressure replenishment function and oil pump shutdown delay.
3. The deflation time, deflation frequency, heating temperature, and vulcanization time can all be set, making operation convenient. It has two working modes: manual and semi-automatic.
4. To meet the process requirements of special rubber materials, there are two programming modes: Program I, the working mode of the conventional plate vulcanization machine; Program II, the working mode of transferring mold.
5. The seal ring of original imported hydraulic cylinder, reliable sealing, long service life.
6. The electrical system adopts full computer control, which is more convenient, accurate and reliable. Users can choose PLC control imported from Siemens in Germany or Japanese PLC control touch screen.
7. Adopting original imported high-pressure oil pump and proportional pressure flow compound valve control, with low noise and low energy consumption.
8. The fuel tank adopts an open fuel tank with a flap plate structure, which saves time and effort in maintenance and is more user-friendly.

