

BP-8172-B-0. 2L/0. 5L

LAB INTERNAL MIXER/PLC CONTROL

This machine is mainly used for mixing plastics and chemical raw materials. Its characteristics are less experimental materials, good mixing effect, simple use, and convenient operation.

1. Mixing volume: 0.2L/0.5L
 2. Temperature range: RT~300℃
 3. Heating method: Electric heating, 3 heating zones
 4. Heating power: 1.5KW
 5. Controller: PLC programmable color touch screen, man-machine interface system, all parameters can be set and controlled at will, mixing process (temperature, time, speed and other parameter curve changes) dynamic display
 6. Mixing time: 0.1S~99M~9.9H. The time can be set, and the buzzer will remind you when it ends
 7. Feeding method: Feeding directly
 8. Rotor type: Roller (Standard)
 9. Rotor speed ratio: 3 : 2
 10. Rotor speed: 0-120 rpm frequency control
 11. Rotor material: SKD chromium molybdenum alloy, hardness HRC60
 12. Mixing chamber: Front, middle, and rear three plates type, made of SKD chromium molybdenum alloy material, inner cavity surface hardness HRC60, mirror hard chrome
 13. Pressure: Pneumatic pressing material
 14. Main motor: 2.2KW/3.7KW
 15. Power supply: 3 ϕ , AC380V , 12A, three phase and five-line power supply(Customer-supplied power connection port)
 16. Dimension: 0.2L/700*550*1700(W*D*H)mm
0.5L/850*570*1700(W*D*H)mm
 17. Weight: 155kg/185kg
- Files: 1 copper brush, 1 copper shovel, 1 stainless steel tray
Manual and Product quality assurance card

Feature

1. The rotor type of the mixer can be selected from the shearing type and the toothing type, which is suitable for the mixing and dispersion of various rubber materials.
2. Three sides of the mixing chamber are independent with mezzanine heating or connecting water-cooling tubes, meeting the process requirements of any milling and refined plastics
3. The surfaces of the mixing chamber contacted with the material are adopting high corrosion resistance and high wear-resistant material. With the processing of high frequency, carburization, hardening and tempering, chrome plating and polishing, it becomes hard and durable, hard to wear .

4. Strong pneumatic arc pressure mound is matched with the end of mixing chamber. This chamber is of good sealing property, without glue leakage and the mixing can be close to the real working environment
5. The specially designed patented technology of the mixing shaft and the two ends of the mixing chamber can ensure that the mixed rubber material will not leak for a long time and the sealing performance of the chamber is good.
6. The speed motor drive of high pulling torque has an oval mixer shaft with two wings convex edges of lead angle. The angles are dislocated with opposite strength rotating and shearing, excellent mixing effect and efficient performance, significantly shortening the plasticate cycle.
7. The human-machine interface operating system of PLC programmable LCD can set and instantly display all the process parameters. The mixing time, mixing temperature, rotor speed and load torque can also be set at will or display instantly, realizing the on-line measurement of mixing performance .Equipped with USB data output interface to connect with a computer for remote monitoring and printing results , enabling online measurement.

