



裕蘭環保科技有限公司
Yulan Green Technology Co., Ltd.

Circular Thermoforming Machine (3-step)

Machine structure

一、 Specification

1. Machine dimensions : L 3000mm * W 3000mm * H 3000mm
2. Machine weight : 11,850kg
3. Maximum installed power of machine : 210kW @ 380V
4. Machine method : Forming → First hot-pressing → Second hot-pressing → Blow release
5. Template dimensions : 900mm * 620mm
6. Maximum height of the product : 170mm
7. Vacuum pump : 23m³/min , -60Kpa
8. Compressed air : 0.6~1.8m³/min , 0.6Mpa

二、 Structure

1. Frame : Carbon steels SS41 welding, post-treatment annealing
2. Molding : Lower mold (stainless steel SUS304)
3. Thermoforming : Upper mold & Lower mold (carbon steel SS41 welding, post-treatment annealing)

三、 Hydraulic oil pressure system

1. Forming servo hydraulic cylinders: Hydraulic cylinders (max. force 3T, max. stroke 600mm) + Servo motor drive (power : 5kW)
2. Hot-pressing servo hydraulic cylinder: Hydraulic cylinders (max. force 14T, max. stroke 450mm) + Servo motor drive (power : 6.5kW)

Electrical control

1. Mitsubishi servo motor
2. PLC : Mitsubishi FX5U series
3. HMI : HMI touch screen+GUI+15" screen
4. Heating mode : Electric heating (SSR power controller /380V);
Single groups of maximum power 15 kW (total of 12 groups),
Maximum heating power : 180 kW