

Single screw palletizing machine

I. Main motor

1. AC motor
2. Power : 37 KW
3. Imported TECO variable frequency converter

II. Screw

- 1.diameter: $\phi 110$, L/D: 12:1
- 2.material is 38CrMoALA nitriding treatment,nitriding HRC65-70,Deep0.6-0.75mm,brittleness less than 11 grade. Hard chromium plated on the surface of the screw

III. Barrel

1. 38CrMoALA nitriding treatment,nitriding HRC65-70,Deep0.6-0.75mm,brittleness less than 11 grade.
2. screw adopt with water cooling system.

IV. circulating water cooling system

1. cooling water pump power: 0.55kw
2. soft water tube separated from the machine body, easy to clean and repair.
3. Water control use Taiwan Qiansi automatic solenoid pilot actuated valve
4. materials of water tank, water pump, water cooling tube are all stainless.

V. Heating section: use quality cast aluminum heater

Four sections temperature control:

Control section	Barrel stage	heating type
First section	First stage	cast aluminum
Second section	First stage	cast aluminum
Third section	First stage	cast aluminum
Fourth section	Machine head	copper aluminum

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

Use the thermocouple specially tests the melt material temperature;

Use the pressure sensor specially tests the melt material pressure.

VI. hydraulic plate type automatic net exchange: Duplex place, two perforated plates, one, hydraulic station; or manual quick open net exchange for choice.

VII. Die face hot cutting machine head: Within the flow is smooth, homogeneous discharge

VIII. Interlock control system:

- 1.Temperature control system for the main machine utilizes Omron intelligent meter instrument, dual-channel, PLD parameters self-set and heater circuit breaking indication functions.
- 2.Host interlocking protection function: Single screw extruder and gear box oil pump interlock.
- 3.Single screw and feeder interlock protection, when feeder incurs failure, host will delay shutdown, in turn, the host incurs failure, the feeder will stop immediately.
- 4.Machine head equip with melt pressure and melt temperature indicator, and the melt pressure interlock with the host (main machine), achieving over pressure protection.

IX. Electric control system

The electric control panel includes temperature control system, driving system, interlock joint control system.