

POTENZA-III SERIES

Energy Saving and High Precision Servo Injection Molding Machine

Application industry: toys, casters, lighting, home appliances, furniture, commodity, etc.



Reliable and stable



Efficient and flexible



Energy saving and environmental protection



STANDARD FEATURES

Injection unit

- Nitride treatment screw assembly
- Double hydraulic injection cylinder
- Injection unit equipped with linear transducer
- Sliding hopper base
- Fully enclosed sheetmetal
- Nozzle safety cover
- Double layer barrel protection cover

Hydraulic unit

- Hydraulic oil cleaning function
- Heat exchanger
- Oil temperature and oil level indicator
- Quick clamping function
- Off-line filtration
- Mold open with back-pressure control (PT200-250 only)

Clamping unit

- Toggle clamping mechanism
- Volumetric lubrication system
- Gear-type hydraulic mold height adjustment
- Clamping/ejector linear transducer
- Electromechanical safety interlock
- Platen with mounting hole
- Ejector cylinder with push-pull function

Control unit

- Voltage/frequency: 380/50Hz
- Emergency stop button
- PID temperature controller
- Maintenance alarm
- Suck back function
- Auto purge function
- Production monitor function
- Working schedule display function
- Selectable suck-back before or after plasticizing
- Cold start protection to prevent injection screw from damage

Others

- Tool with toolbox
- Mold clamp

OPTIONAL FEATURES

Injection unit

- Bimetallic screw and barrel
- Extended nozzle
- Material measuring device
- Enlarged hydraulic motor
- Injection pressure sensor
- Ceramic heating system
- Electromagnetic heating system
- Infrared nano heating system

Hydraulic unit

- Oil level protection
- Enlarged oil cooler
- Independent oil temperature control
- Cooling water distributor
- Oil temperature display and alarm function
- Enlarged hydraulic motor and oil pump (PT80-200 only)

Clamping unit

- Air blow device
- Unscrewing device
- Core pull device
- Special mold flange (position ring)
- Mold cooling water distributor
- T-slot platen
- Non-metric clamp hole
- Extended mold thickness
- Mold open with back pressure control (PT80-160only)
- Mechanical safety lock

Control unit

- Power socket
- LK net
- Extra waterproof socket
- KEBA controller
- Heating controlled by solid state relay

Others

- Conveyor
- Hopper magnet
- Hopper dryer
- Chiller
- Blender
- Auto loader
- Material crusher
- Mold hoisting frame (PT80-200only)
- Mold temperature controller