

Automatic Plastic Injection Molding Machine with Servo Motor

This automatic injection molding machine is designed for efficient plastic processing. It features a servo motor for energy-saving operation and precise control.



ADDITIONAL IMAGES



Overview

High-Efficiency Automatic Injection Molding

This automatic plastic injection molding machine is engineered for high-precision production of plastic parts, ranging from general items like crates and cups to complex engineering components. Equipped with a high-performance servo motor system, it delivers significant energy savings and precise control over the entire injection cycle. Its robust construction and user-friendly interface make it a reliable solution for demanding industrial manufacturing environments.

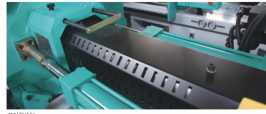
Key Features

Core Highlights

Servo Motor Energy-Saving • Automatic Operation • High Precision Control • Robust Construction

Injection Unit

注射机构 INJECTION UNIT



平衡式双缸注射系统
Balanced Twin Cylinder Injection System



注射润滑系统
Injection Lubrication System



进口高精度直线导轨
Imported High-Quality Linear Motion Guide



陶瓷加热器
Ceramic Heater

Injection System Components

- Balanced Twin Cylinder Injection System
- Injection Lubrication System
- Imported High-Quality Linear Motion Guide
- Ceramic Heater Elements

Clamping Unit

锁模机构 CLAMPING UNIT



后架式机械安全杆
Mechanical Safety Bar in the Rear

整体连杆机构
Whole Unit Toggle Design

高精度位移传感器
High Precision Transducer

大量铜衬套
High-Quality Copper Bush

Clamping Mechanism Details

- Mechanical Safety Bar (Rear)
- Whole Unit Toggle Design
- High Precision Displacement Transducer
- High Quality Copper Bushings

Hydraulic System

液压控制系统 HYDRAULIC SYSTEM



自动润滑装置
Auto Lubrication Device

进口液压泵
Imported Hydraulic Pump

进口高压液压软管
Imported High-Pressure Hose

带单向阀的过滤器
Suction Filter with Check Valve

高性能油冷器
High-Performance Oil Cooler

Hydraulic Control System

- Auto Lubrication Device
- Imported Hydraulic Pump
- Imported High-Pressure Hydraulic Hoses
- Suction Filter with Check Valve
- High-Performance Oil Cooler

Electrical System



Electrical & Control

- Techmation Hunter II Inverter
- Digital Voltmeter Display
- Pressure and Flow Voltage Monitoring
- Integrated Control Cabinet

Material Compatibility

Compatible Materials

PC, PMMA, Fiber Glass Reinforced Plastics, General Purpose Plastics, Engineering Plastics

Operational Efficiency

Energy and Resource Management

The integrated servo system reduces hydraulic energy consumption to its lowest levels, particularly in cases of high oil temperature. This optimization effectively reduces cooling water consumption and overall operational costs while maintaining high production stability.