

Automatic Plastic Spoon Injection Molding Machine

This automatic plastic injection molding machine is designed for high-volume production of plastic spoons. It features a fixed-pump hydraulic system for consistent and reliable operation.



ADDITIONAL IMAGES



Overview

High-Efficiency Automatic Injection Molding

This automatic plastic spoon injection molding machine is engineered for high-volume production with a focus on precision and energy efficiency. It features a double linear motion guide system and a robust hydraulic setup to ensure consistent part quality and reduced cycle times. Designed for demanding industrial environments, it offers a user-friendly interface and versatile platen layouts to accommodate various mold types.

Key Performance Metrics

Performance Highlights

0.3 %

Repeatability Precision

0.5 sec

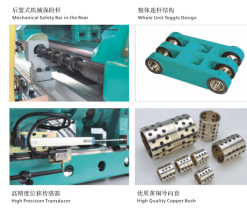
Response Time

80 %

Max Energy Saving

Clamping Unit

锁模机构 CLAMPING UNIT



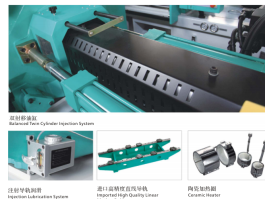
The clamping unit features a whole unit toggle design and mechanical safety bars for secure operation.

Clamping System Features

- Optimized platen design with high rigidity
- Euromap-based platen layout with T-slots and tap holes
- New ejection system with longer stroke and better rigidity
- Hydraulic driven gear-type mold height adjustment
- Mechanical safety interlock relocated for easier operation
- Linkage structure for front connecting rod for increased accuracy

Injection Unit

注射机构 INJECTION UNIT



The injection unit utilizes balanced twin cylinders and high-quality linear motion guides for precision.

Injection System Components

- High-quality linear motion guides for smooth process
- High speed and pressure injection structure
- Twin nozzle cylinder for stable structure
- Specialized screw barrel design
- Ceramic heaters for efficient heating

Hydraulic System

液压控制系统 HYDRAULIC SYSTEM



Detailed view of the hydraulic system including the imported pump, high-pressure hoses, and oil cooler.

Hydraulic Control

- Double proportional compound valve for pressure and flow control
- Low noise imported high-quality pump
- Precise feedback control for accurate repeatability
- Low pressure mold protection system
- Independent grease and lubrication oil system
- High-performance oil cooler

Electrical Control

ELECTRICAL UNITS



The electrical control system features a high-speed double CPU architecture and user-friendly interface.

Control System Specifications

Feature	Specification
Display Size	8.4 inch Screen
Resolution	800 x 600
CPU Type	Double CPU (X86 300MHz + RISC 140MHz)
Connectivity	USB 2.0 and Ethernet (100-base T)
I/O Points	32 Points (Extendable)
Transducer Resolution	1/65535
Parameter Storage	120 Technological Parameters

Lubrication System

Manual Lubrication Pump

Parameter	Value
Oil Supply Quantity	8 c.c. per stroke
Vessel Capacity	600 c.c.
Average Oil Pressure	3.5 kg/cm ²

Operational Benefits

Operational Advantages

Energy Saving, Low Noise, Water Cooling Saving, High Sensitivity, Dustless Workshop Compatible