

# Compact Injection Molding Machine

This compact injection molding machine is designed for manufacturing precision plastic parts. It features a user-friendly control panel and a robust clamping system.



## ADDITIONAL IMAGES



## Overview

### High-Precision AF Series Injection Molding Machine

The AF Series Injection Molding Machine features a robust double linear motion guide design integrated with an advanced servo control energy-saving system. Engineered for high-precision plastic manufacturing, this machine offers exceptional repeatability, low noise operation, and significant energy efficiency. Its modular architecture includes specialized units for clamping, injection, and hydraulic control, making it an ideal solution for small-scale production and prototyping.

## Clamping Unit

### CLAMPING UNIT 锁模单元



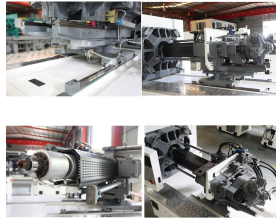
Robust clamping unit with precision alignment for secure mold closure.

### Key Features

- Optimized high-rigidity platen design
- Euromap-based platen layout with T-slot & tap holes
- Hydraulic-driven gear-type mold height adjustment
- Linkage structure for front connecting rod
- Updated mechanical safety interlock

## Injection Unit

INJECTION UNIT  
注射单元



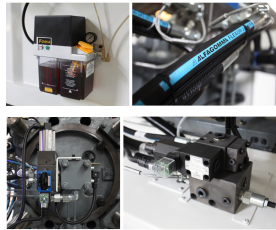
High-performance injection unit designed for consistent material dosing.

### Capabilities

Linear Motion Guide, High-Speed Injection, Twin Nozzle Cylinder, Specialized Screw Barrel

## Hydraulic System

HYDRAULIC UNIT  
液压单元



Integrated hydraulic unit featuring precision control valves.

### Hydraulic Performance

- Double proportional compound valve control
- Low-pressure mold protection system
- Independent lubrication system
- High-performance hydraulic valves

## Electrical System

ELECTRICAL UNIT  
电器单元



Advanced electrical control system with intuitive HMI interface.

### Control System Metrics

**8.4 inch**

Display Size

**300 MHz**

HMI Processor Speed

**140 MHz**

System Processor Speed

### Connectivity & Storage

USB 2.0, Ethernet 100-base T, 120 Parameter Storage

## Servo Controller

### Efficiency Metrics

**0.3 %**

Repeatability Error

**0.5 sec**

Response Time

**80 %**

Max Energy Savings