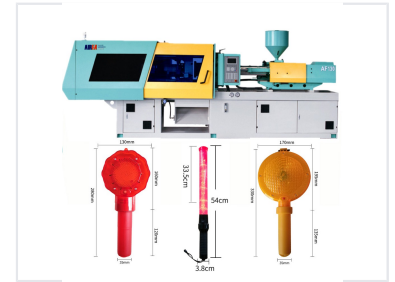


# Horizontal Plastic Injection Molding Machine

This horizontal injection molding machine is designed for producing plastic parts with precision. It features a fixed-pump hydraulic system for consistent injection and reliable operation.



## ADDITIONAL IMAGES



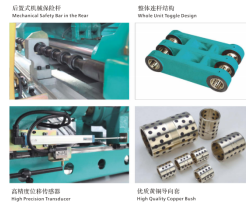
## Overview

### High-Precision Horizontal Injection Molding Machine

The AF series injection molding machine is designed for high-speed, reliable production using double linear motion guides and an energy-saving servo control system. It features a robust clamping unit with an optimized platen design and a twin-nozzle injection structure for stable performance. This machine is ideal for professional buyers seeking a precise, efficient solution for manufacturing a wide range of plastic products with reduced noise and lower power consumption.

## Clamping Unit

### 锁模机构 CLAMPING UNIT



### Clamping System Features

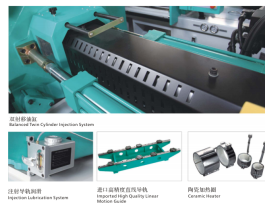
- Optimized Platen Design with high rigidity
- Enlarged space between tie bars
- Euromap-based Platen Layout (T-slot & tap holes)
- Longer ejection stroke and bigger space
- Hydraulic driven gear-type mold height adjustment
- Mechanical safety interlock relocation for easier operation
- Linkage structure for front connecting rod

### Clamping Components

Mechanical Safety Bar, Whole Unit Toggle Design, High Precision Transducer, Copper Bushings

## Injection Unit

### 注射机构 INJECTION UNIT

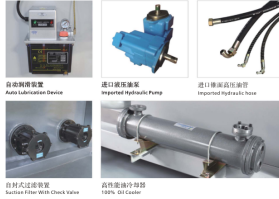


### Injection System Features

- High Quality Linear Motion Guides
- High Speed & Pressure injection structure
- Twin nozzle cylinder for even stability
- Specialized screw barrel designs available
- Balanced Twin Cylinder Injection System
- Ceramic Heaters

## 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

进口液压油软管  
Imported Hydraulic Hose

密封式过滤器  
Sealed Filter with Check Valve

进口油冷却器  
100% Oil Cooler

### Hydraulic Performance

- Double proportional compound valve control
- Imported high-quality low-noise pump
- Low pressure mold protection system
- Independent grease & lubrication oil system
- Suction filter with check valve
- High-performance oil cooler

## Electrical System

### ELECTRICAL UNITS



### Control Hardware

**8.4 inch**

Display Size

**300 MHz**

HMI CPU Speed

**32 pts**

I/O Points

### Connectivity & Storage

USB 2.0, Ethernet 100-base T, 120 Parameter Storage, Curve Display Monitoring

## Servo Controller

### Servo System Benefits

| Feature                 | Performance Detail   |
|-------------------------|--|
| Repeatability Precision | <0.3% error for shot measurement                                     |
| Response Time           | 0.5 seconds (0 to max)   |
| Energy Saving           | 30-80% reduction vs traditional pumps                                |
| Efficiency              | 10% higher overall efficiency  |
| <b>Noise Level</b>      | 1/10 lower noise compared to traditional fixed/variable pump systems |