

# Plastic Injection Molding Machine

This plastic injection molding machine is engineered for high-precision and efficient plastic part production. It features a robust clamping system, advanced hydraulic system, and user-friendly control interface.



## ADDITIONAL IMAGES



## Overview



High-performance plastic injection molding machine featuring a robust clamping unit and advanced control interface.

## Precision Injection Molding Solution

This high-performance plastic injection molding machine is engineered for efficient, high-precision manufacturing of plastic parts. It features a robust clamping unit, an advanced hydraulic system, and a user-friendly control interface that supports network management and cloud connectivity. Designed for reliability and ease of maintenance, this machine is an ideal solution for producing a wide range of plastic products with consistent quality and high throughput.

## Injection Unit



The injection unit features a dual-cylinder balanced system for consistent and accurate plastic injection.

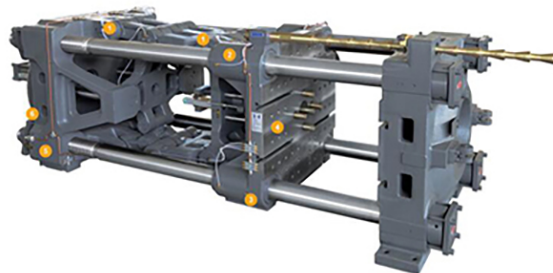
### Injection Performance Metrics

Specification	A	B	C
Screw Diameter (mm)	70	75	80
Screw L/D Ratio	23.6	22	20.6
Theoretical Shot Volume (cm <sup>3</sup> )	1500	1723	1960
Injection Weight (g)	1365	1567	1784
Injection Rate (g/s)	336	386	439
Injection Pressure (MPa)	206	180	158

### Injection System Features

Dual-cylinder balanced injection, Multi-stage pressure/speed control, High-torque oil motor, Screw draw-back anti-drooling, PID hopper temperature control

## Clamping Unit



The clamping unit utilizes a diagonal dual-toggle mechanism for stable and precise mold operation.

### Clamping Force

**4500 Kn**

Clamping Force

### Clamping Specifications

- Open Stroke: 770 mm
- Space Between Tie Bars: 770 x 770 mm
- Max Mold Height: 780 mm
- Min Mold Height: 250 mm
- Ejector Stroke: 200 mm
- Ejector Force: 110 Kn

## Hydraulic Unit



The hydraulic system incorporates high-quality components and an energy-saving servo control system.

### Hydraulic System

Servo Energy-Saving • Multi-pump Control • Imported Components

Max Pump Pressure

17.5 MPa

## Controller



Advanced controller interface supporting real-time production monitoring and cloud data management.

### Control System Features

- Network production management
- Cloud data connectivity
- Real-time fault and data monitoring
- One-key mold opening/closing setting

## General Specifications

### Power Ratings

- Motor/Servo Power: 50.7 kW
- Heating Power: 35 kW

Dimensions (LxWxH)

8.08 x 2.0 x 2.62 m

Machine Weight

16.3 t