

Plastic Injection Molding Machine

This plastic injection molding machine is designed for efficient and precise manufacturing. It features a robust hydraulic system for consistent clamping force and injection pressure.



Overview

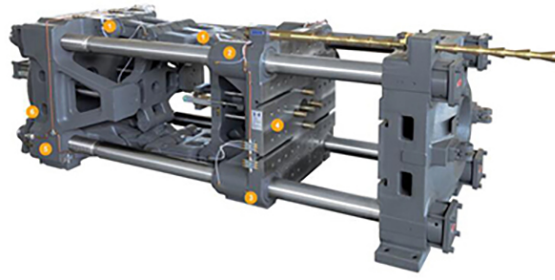


Overview of the NPC 500 plastic injection molding machine.

High-Performance Injection Molding

The NPC 500 is a robust plastic injection molding machine engineered for precision and efficiency in high-volume manufacturing environments. Featuring a 500-ton clamping force and a versatile injection unit, it is designed to handle a wide range of thermoplastic materials. The system integrates advanced servo-control technology with a user-friendly interface, ensuring consistent cycle times, reduced energy consumption, and superior part quality.

Clamping Unit



The clamping unit features a diagonal dual-toggle mechanism for high stability and precision.

Clamping Force

5000 kN

Clamping Force

Clamping Specifications

Specification	Value
Open Stroke	850 mm
Space Between Tie Bars	820 x 820 mm
Min. Mold Height	330 mm
Max. Mold Height	910 mm
Ejector Stroke	240 mm
Ejector Force	150 kN

Key Features

Diagonal Dual Toggle • Auto Lubrication • Auto Mold Adjustment • One-piece Casting

Injection Unit



Dual-cylinder balanced injection system designed for accurate and stable operation.

Injection Performance

Screw Diameter	Injection Pressure	Shot Volume
75 mm	224 MPa	1948 cm ³
80 mm	197 MPa	2216 cm ³
85 mm	174 MPa	2485 cm ³
90 mm	156 MPa	2785 cm ³

Capabilities

Dual-cylinder Balanced System, Multi-stage Pressure Control, High-torque Oil Motor, Screw Speed Tester

General Specifications



Optimized hydraulic system utilizing high-quality components for improved response speed.



User-friendly control interface for production management and parameter monitoring.

Dimensions & Weight

- Machine Dimensions: 8.53 x 2.08 x 2.6 m
- Machine Weight: 20.0 t

Power & Capacity

60.5 kW

Servo Power

40.7 kW

Heating Power

890 L

Oil Tank Capacity