

Plastic Injection Molding Machine

This plastic injection molding machine is designed for high-precision manufacturing. It features a robust clamping unit and an injection unit, ensuring stable and reliable operation.



ADDITIONAL IMAGES



Overview

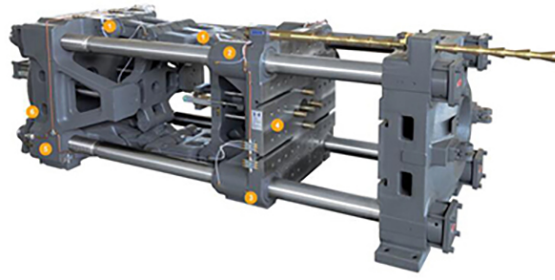


The NPC 280 plastic injection molding machine featuring a robust clamping unit and injection system.

NPC 280 Plastic Injection Molding Machine

The NPC 280 is a high-precision plastic injection molding machine engineered for stable and efficient production. It features a robust clamping unit with optimized one-piece casting for rigidity and an advanced dual-cylinder injection system for precise material processing. With integrated smart production management and energy-saving servo technology, this machine is an ideal solution for manufacturing complex plastic parts across various industries.

Clamping Unit



The clamping unit features a diagonal dual-toggle mechanism and one-piece casting for enhanced rigidity and smooth operation.

Clamping Force	2800 kN
Space between tie bars (WxH)	610x610 mm
Mould Height Range	200 - 630 mm
Key Features	Dual toggle mechanism, Automatic lubrication, Automatic mould adjustment, T-shape slot template

Injection Unit



The injection unit utilizes a dual-cylinder balanced system to ensure stable, high-precision material processing.

Injection Performance

Screw Diameter	Shot Volume (cm ³)	Injection Weight (g)	Injection Pressure (MPa)
55mm	676	616	240
60mm	805	733	201
65mm	945	860	171

Capabilities

- Dual-cylinder balanced injection system
- Multi-stage pressure/speed/position control
- High-torque oil motor screw drive
- Screw draw-back anti-drooling device
- Ceramic hopper heating

Hydraulic & Control



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



Advanced control interface with cloud connectivity for production management and real-time process monitoring.

System Metrics

31.3 kW

Servo Motor Power

21.2 kW

Heating Power

300 L

Oil Tank Capacity

Control System

Network Management • Cloud Data Integration • Real-time Monitoring • Fault Diagnosis

General Specifications

Dimensions (LxWxH)	6.17 x 1.62 x 2.43 m
Machine Weight	8.4 t