

Plastic Injection Molding Machine

This plastic injection molding machine is engineered for efficient and precise manufacturing of plastic parts. It features a robust clamping unit for secure mold closure and a high-speed injection system for optimal material flow.



Overview

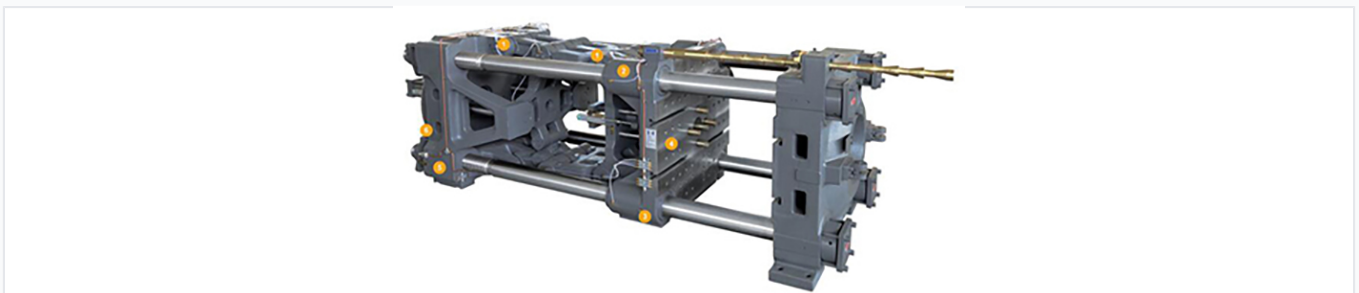


The NPC 900 plastic injection molding machine featuring a robust clamping unit and energy-saving hydraulic system.

High-Performance Injection Molding

The NPC 900 is a robust plastic injection molding machine engineered for precision, stability, and high-efficiency production. Featuring a dual-toggle clamping mechanism and advanced servo-driven injection control, it delivers consistent part quality across demanding applications in automotive, consumer goods, and medical sectors. Its intelligent control system allows for real-time monitoring and seamless production management.

Clamping Unit



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

Clamping Force	9000 Kn
Open Stroke	1100 mm
Space Between Tie Bars	1080 x 1030 mm
Mold Height Range	450 - 1100 mm

Injection Unit



The injection unit features a dual-cylinder balanced design for accurate material flow and stable operation.

Injection Capacity

Screw Diameter	Shot Volume (cm ³)	Injection Weight (g)
90mm	3499	3184
100mm	4320	3930
110mm	5227	4757
120mm	6220	5660

Available Screw Diameters

90mm, 100mm, 110mm, 120mm

Performance Metrics



The hydraulic system incorporates optimized inserts and slide valves to enhance system response speed.

Key Performance Indicators

47.3 t

Machine Weight

1666 L

Oil Tank Capacity

17.5 MPa

Max Pump Pressure

Features



User-friendly control interface for real-time monitoring and parameter adjustment.

Key Machine Features

- Dual-cylinder balanced injection system
- Automatic centralized lubrication system
- Triple mechanical, hydraulic, and electrical interlocking protection
- Energy-saving servo control system
- T-shape slot template design for mold installation
- Data cloud and client terminal connectivity