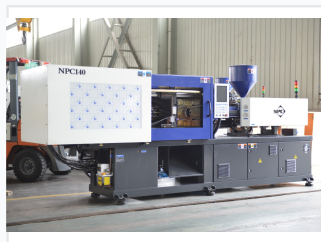
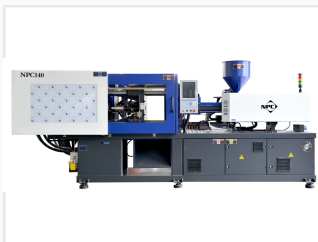


Plastic Injection Molding Machine

This plastic injection molding machine is designed for efficient and precise manufacturing. It features a robust construction and an advanced control system for consistent production.



ADDITIONAL IMAGES



Overview



Overview of the high-performance NPC 140 molding machine.

High-Performance Servo Injection Molding

The NPC 140 is a precision-engineered plastic injection molding machine designed for high-efficiency manufacturing. Featuring an advanced servo-driven energy-saving system, this machine minimizes vibration and ensures smooth, reliable operation to extend component lifespan. With a robust 140-ton clamping force and versatile injection unit options, it provides consistent production quality for a wide range of thermoplastic applications, from automotive parts to consumer goods.

Machine Dimensions

4.75 m

Length

1.19 m

Width

1.98 m

Height

3.6 t

Weight

Injection Unit



Dual-cylinder balanced injection system for stable, precise operation.

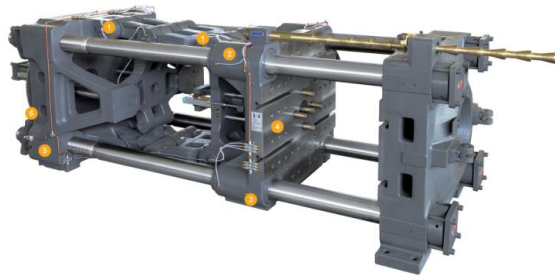
Injection Unit Specifications

Parameter	Screw A	Screw B	Screw C
Screw Diameter (mm)	38	42	45
Shot Volume (cm ³)	193	235	270
Injection Weight (g)	176	213	246
Injection Pressure (MPa)	218	179	156

Key Injection Features

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

Clamping Unit



High-rigidity clamping unit with optimized one-piece casting.

Clamping Specifications

- Open Stroke: 380 mm
- Space between tie bars: 410 x 410 mm
- Max Mould Height: 450 mm
- Min Mould Height: 160 mm
- Ejector Stroke: 120 mm
- Ejector Force: 50 kN

Clamping Force

1400 kN

Hydraulic & Control



Optimized hydraulic system with energy-saving multi-pump control.



Advanced production management and remote monitoring interface.



User-friendly control panel for precise process setting and mold selection.

System Highlights

Servo Energy-Saving • Industrial IoT Ready • Centralized Lubrication • Leak-proof Piping • Multi-pump Control

Power Requirements

18.7 kW

Servo Motor Power

10 kW

Heating Power

17.5 MPa

Max Pump Pressure