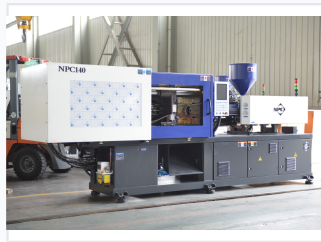


# Plastic Injection Molding Machine

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.

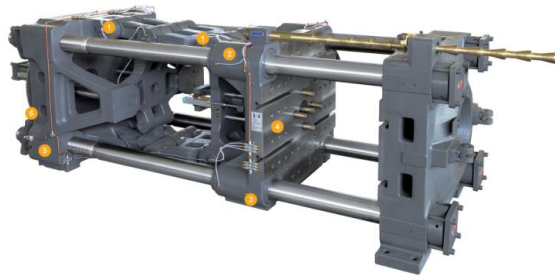
### Injection Unit Specifications

Parameter	Screw A	Screw B	Screw C
Screw Diameter (mm)	38	42	45
Shot Volume (cm <sup>3</sup> )	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