

Plastic Injection Molding Machine

This plastic injection molding machine is engineered for efficient and precise manufacturing. It features a robust hydraulic system and an advanced control panel for parameter adjustments.



Overview

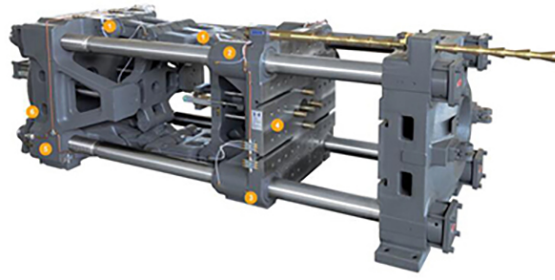


The NPC 730 model, showcasing its robust build and high-capacity hopper.

High-Performance Injection Molding

The NPC 730 is a high-performance plastic injection molding machine engineered for precision, stability, and high-volume production. It features a robust clamping unit with a diagonal dual-toggle mechanism, a balanced dual-cylinder injection system, and an advanced, energy-saving servo control architecture. Designed for durability and ease of maintenance, this machine integrates seamlessly into modern manufacturing networks, offering reliable performance across a wide range of thermoplastic applications.

Clamping Unit



The optimized one-piece front connecting rod ensures rigidity and smooth operation.

Technical Specifications

Parameter	Value
Open Stroke	970 mm
Space Between Tie Bars	970 x 970 mm
Max Mold Height	960 mm
Min Mold Height	400 mm
Ejector Stroke	280 mm
Ejector Force	210 kN

Key Features

- Diagonal type dual toggle mechanic mould clamping mechanism
- One-piece casting of the connecting rod
- Automatic centralized lubrication system
- Automatic mould adjustment function
- Triple mechanical, hydraulic, and electrical interlocking protection

Clamping Force	7300 kN
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Injection Unit



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

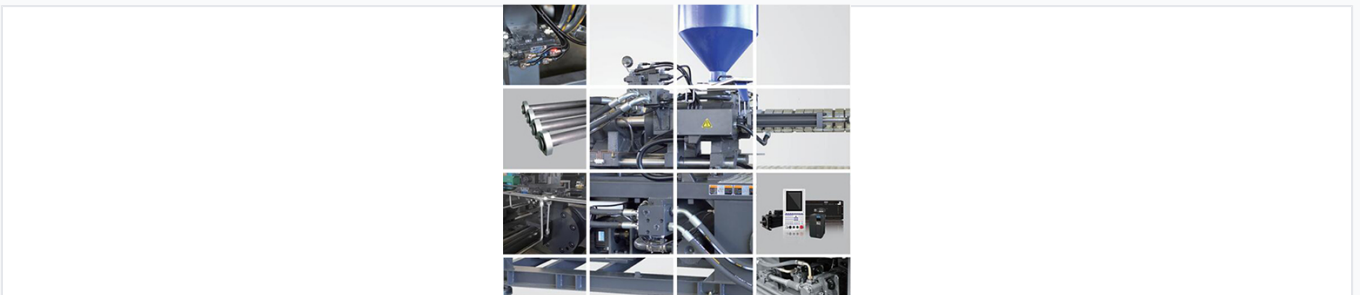
Performance Metrics

Screw Diameter	Injection Weight (ps)	Injection Pressure
90	2663	206
95	2967	185
105	3625	151
110	3977	138

System Capabilities

- Dual-cylinder balanced injection system
- High-torque oil motor drive screw preplasticizing
- Screw draw-back anti-drooling device
- Multi-stage injection pressure/speed & position control
- Hopper temperature control by computer PID

Hydraulic System



High-efficiency hydraulic system using imported components for rapid response.

System Highlights

- High-efficient and energy-saving servo control system
- Proportionally optimized multi-pump control system
- Flaring type seamless steel pipe to prevent oil leakage
- Optimized oil circuit combining inserts and slide valves
- Imported hydraulic components for improved response speed

