

Plastic Injection Molding Machine

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



Overview



Overview of the high-performance injection molding unit.

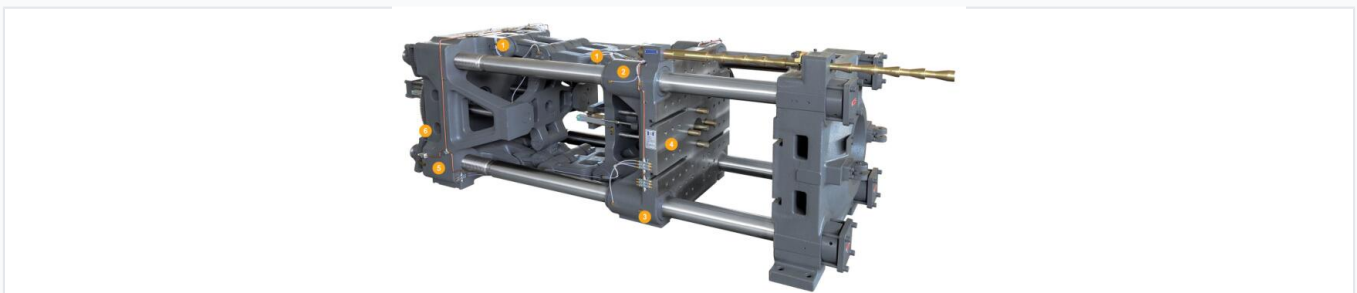


Advanced controller interface for production network management and process monitoring.

High-Precision Injection Molding

The NPC 200 is a high-performance plastic injection molding machine engineered for efficient, precise manufacturing. It features a robust clamping system, advanced hydraulic controls, and an optimized injection unit designed to ensure consistent part quality and high productivity. With its user-friendly interface and energy-saving servo technology, this machine is an ideal solution for diverse applications in the plastic and rubber industries.

Clamping Unit



The clamping unit features a diagonal dual toggle mechanism for stability and precision.

| | |
|------------------------------|---|
| Clamping Force | 2000 kN |
| Space between tie bars (WxH) | 525x525 mm |
| Mould Height Range | 200 - 530 mm |
| Key Clamping Features | Diagonal dual toggle, Automatic lubrication, Automatic mould adjustment, Triple interlocking protection |

Injection Unit



The dual-cylinder injection system ensures balanced and stable operation.

Injection Unit Specifications

| Metric | Screw A | Screw B | Screw C |
|--------------------------------|---------|---------|---------|
| Screw Diameter (mm) | 45 | 50 | 55 |
| Shot Volume (cm ³) | 397 | 490 | 593 |
| Injection Weight (g) | 361 | 446 | 540 |
| Injection Pressure (MPa) | 239 | 194 | 160 |

Injection System Features

- Dual-cylinder balanced injection system
- High-torque oil motor drive
- Screw draw-back anti-drooling device
- Computer PID hopper temperature control

Hydraulic & Power



Optimized hydraulic circuit featuring high-quality components for responsive control.

Power & Capacity

27.8 kW

Servo Power

14.9 kW

Heating Power

206 L

Oil Tank Capacity

Hydraulic System Highlights

Proportional multi-pump control • Energy-saving servo system • Flaring type seamless steel pipes • Imported hydraulic components

General Specifications

| | |
|--------------------|----------------------|
| Dimensions (LxWxH) | 5.73 x 1.44 x 2.21 m |
| Machine Weight | 6.8 t |