

Plastic Injection Molding Machine

This plastic injection molding machine is engineered for efficient and precise production. It features a robust clamping unit for secure mold closure and a high-capacity injection unit for consistent material delivery.



ADDITIONAL IMAGES



Overview



The NPC 160 is a robust and precise machine designed for high-volume production of plastic parts.

High-Performance NPC 160 Injection Molding Machine

The NPC 160 is a robust plastic injection molding machine engineered for precision and high-volume production. It features an advanced servo-driven system that ensures smooth operation, reduces energy consumption, and extends the service life of the equipment. Designed with a dual-toggle clamping mechanism and a high-torque injection unit, this machine delivers consistent part quality across a wide range of thermoplastic materials.

Injection Unit



High-performance injection unit with precise control over injection speed and pressure.

Injection Performance Metrics

1600 kN

Clamping Force

180 rpm

Max Screw Speed

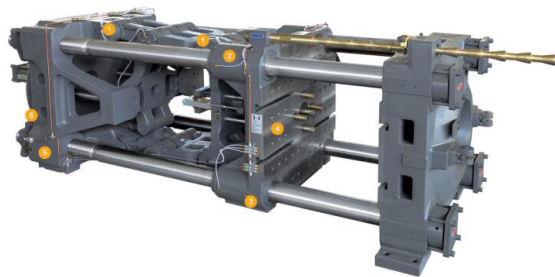
213 MPa

Max Injection Pressure

Screw Configuration Options

Specification	Type A	Type B	Type C
Screw Diameter (mm)	42	45	50
Theoretical Shot Volume (cm ³)	305	350	432
Injection Weight (g)	277	319	393
Injection Rate (g/s)	130	150	185

Clamping Unit



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

Key Clamping Features

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

Clamping Dimensions

470 mm

Tie Bar Spacing (W)

470 mm

Tie Bar Spacing (H)

435 mm

Opening Stroke

General Specifications



The hydraulic system utilizes imported components and optimized oil circuits for faster response speeds.

Machine Dimensions and Weight

- Dimensions: 5.28m x 1.34m x 2.06m
- Total Weight: 5.0 Tons
- Oil Tank Capacity: 205 L

Power Ratings

23 kW

Servo Motor Power

12.5 kW

Heating Power