

Plastic Injection Molding Machine

This plastic injection molding machine is designed for high-precision and efficient production of plastic parts. It features a robust hydraulic system for consistent clamping force and injection pressure.



ADDITIONAL IMAGES



Overview



The NPC 380 features a robust design optimized for industrial stability and precision.

High-Performance Injection Molding

The NPC 380 is a high-performance plastic injection molding machine engineered for precision and efficiency in manufacturing plastic components. It features a robust clamping unit, an advanced hydraulic system, and a user-friendly control interface, making it ideal for high-volume production in automotive, electronics, and consumer goods industries. With its energy-saving servo control system and modular design, this machine offers consistent quality, reliable operation, and flexible configuration to meet diverse production requirements.

General Specifications



High-efficiency hydraulic system featuring optimized oil circuits for rapid response and minimal leakage.

Power Requirements

50.7 kW

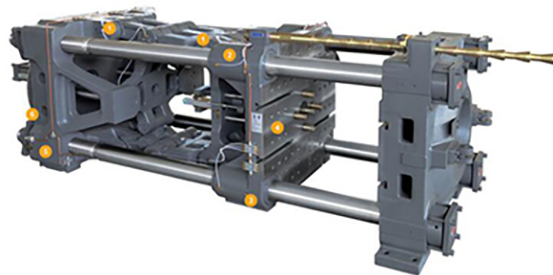
Motor/Servo Power

35 kW

Heating Power

Machine Weight	14 t
Dimensions (LxWxH)	7.83 x 1.83 x 2.58 m
Oil Tank Cubage	745 L

Clamping Unit



The clamping unit utilizes a dual toggle mechanism for high rigidity and smooth mold operation.

Clamping Force	3800 kN
Open Stroke	720 mm
Space Between Tie Bars	720 x 720 mm
Mold Height Range	250 - 780 mm

Injection Unit



Dual-cylinder balanced injection system ensures consistent pressure and high-quality plasticization.

Injection Performance Table

Parameter	Screw A	Screw B	Screw C
Diameter (mm)	70	75	80
Shot Volume (cm ³)	1500	1723	1960
Injection Weight (g)	1365	1567	1784
Injection Pressure (MPa)	206	180	158

Features

Core Technologies

Servo Control System, Automatic Lubrication, PID Temperature Control, Multi-stage Injection Control, Anti-drooling Device