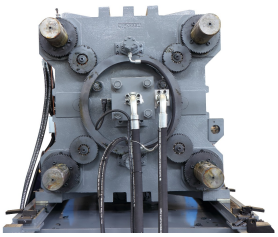
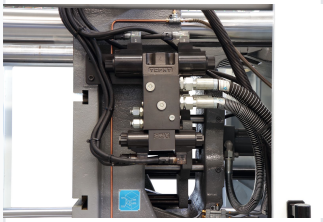
Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is engineered with sophisticated control and rapid response capabilities. It offers low energy consumption and is designed for precision in plastic part manufacturing.



ADDITIONAL IMAGES

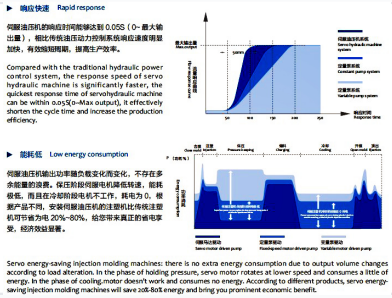


Overview

NHTX Series Injection Molding Machine

The NHTX series hydraulic injection molding machine is engineered with advanced technology to deliver superior control, rapid response, and low energy consumption. Featuring a high-performance servo motor system, the machine adjusts output power dynamically based on load changes, significantly reducing energy waste and noise. With multiple configuration options ranging from constant pump to closed-loop servo hydraulic systems, this machine ensures consistent, high-precision production for diverse manufacturing needs.

Performance & Efficiency



Servo hydraulic system provides rapid response times and energy savings of 20-80% compared to traditional constant pump systems.

Key Performance Metrics

0.05 s	20 %	80 %
Response Time	Min Energy Savings	Max Energy Savings

Technical Specifications

Model Comparison

Specification	NHTX680	NHTX730
Clamping Force (kN)	6800	7300
Screw Diameter (mm)	90	95

Clamping System

Advanced clamping and injection unit configurations ensure precision and safety.

Clamping Configuration

- 5-point double toggle mechanism
- Mechanical, electrical, and hydraulic triple chain security protection
- Low-pressure mold protection device
- Automatic centralized lubrication system with volume control
- Fast-mold differential device
- Hydraulic oil motor driving gear model

Injection System

Injection Configuration

- Balance cylinder injection unit
- Multi-stage injection speed and pressure settings
- Anti-cold start screw protection
- High-torque motor-driven plasticizing unit
- Barrel PID temperature control
- Decompression device

Control & Electronics

Comprehensive control system and optional upgrades allow for tailored production setups.

Control System Features	Color LCD Screen, Robot Interface, 99 Mold Memory Sets, Real-time Monitoring, Data Protection Lock, Temperature Deviation Correction

Optional Configurations

Available Options

Bi-metal Screw • Stainless Steel Screw • Accumulator-assisted Injection • Multi-core Pulling Device • Automatic Feeder • Dehumidifier • Closed-loop Pressure Control