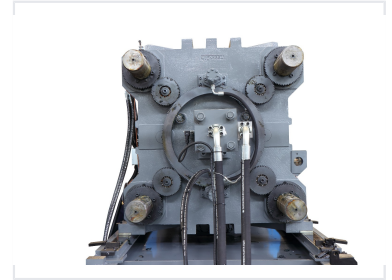
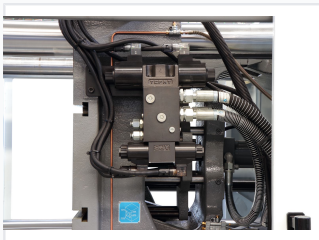


Hydraulic Plastic Injection Molding Machine

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

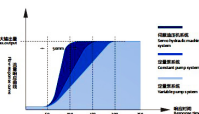
The NHTX series hydraulic injection molding machine is engineered with advanced technology to deliver superior control, rapid response, and low energy consumption. Featuring a high-performance servo motor system, the machine adjusts output power dynamically based on load changes, significantly reducing 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

响应快速 Rapid response

伺服液压机的响应时间可低至 0.05s (0-最大输出量)，相比传统恒压动力的制泵系统响应速度提升 30%，有效缩短周期，提高生产效率。

Compared with the traditional hydraulic power control system, the response speed of servo hydraulic machine is significantly faster, the quickest response time of servo hydraulic machine can be within 0.05s-Max output, it effectively shortens the cycle time and increase the production efficiency.



能耗低 Low energy consumption

伺服液压机输出功率随负载变化而变化，不存在多余能量的浪费，保证伺服电机降低转速，能耗降低，而且在中断期间电机不工作，耗电为零。伺服产品不同，安装伺服液压机的注塑机比传统注塑机可节省耗电 20%-80%，给您带来真正的节能效果，经济效益显著。

Servo energy saving injection molding machines: there is no extra energy consumption due to output volume changes according to load alteration. In the phase of holding pressure, servo motor rotates at lower speed and consumes a little of energy. In the phase of cooling, motor doesn't work and consumes no energy. According to different products, servo energy saving injection molding machines will save 20%-80% energy and bring you prominent economic benefit.

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 Response Time	20 % Min Energy Savings	80 % Max Energy Savings
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Technical Specifications

Model Comparison

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

Clamping System

Clamping System (夹紧系统)	Injection Unit (注射单元)
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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

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

Control System (控制系统)	Optional Upgrades (可选升级)
<ul style="list-style-type: none"> Color LCD screen Robot interface 99 mold memory sets Real-time monitoring Data protection lock Temperature deviation correction 	<ul style="list-style-type: none"> High-torque motor-driven plasticizing unit Barrel PID temperature control Decompression device Anti-cold start screw protection High-torque motor-driven plasticizing unit Barrel PID temperature control Decompression device

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