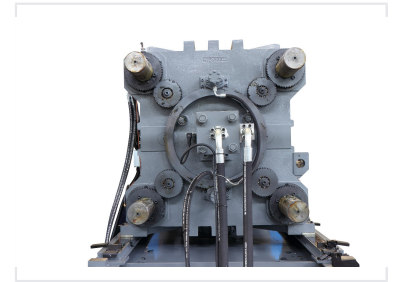
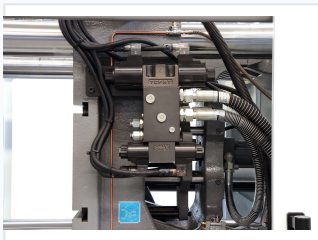


Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is engineered with Japanese technology for sophisticated control. It features rapid response and low energy consumption.



ADDITIONAL IMAGES



Overview

NHTX Series Injection Molding Machine

This high-performance hydraulic plastic injection molding machine is engineered for precision, rapid response, and low energy consumption. Designed with advanced technology, the series offers versatile configurations including constant pump, open-loop variable pump, closed-loop variable pump, and servo hydraulic options. It is built for reliability and efficiency, ensuring consistent product quality and high throughput for demanding industrial manufacturing applications.

Performance & Efficiency

NHTX/JD ENERGY-SAVING INJECTION MOLDING MACHINE
伺服节能注塑机

► 伺服节能 (Servo energy saving)
NHTX/JD 伺服节能注塑机采用伺服电机驱动，具有响应速度快、精度高、节能等优点。与传统注塑机相比，伺服节能注塑机在注塑过程中，电机只在需要的时候才工作，从而大大降低了能耗。此外，伺服节能注塑机还具有噪音低、维护方便等优点。

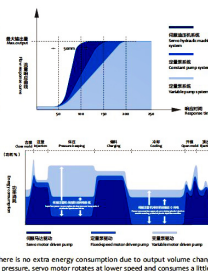
► 伺服控制 (Servo control)
伺服节能注塑机采用伺服电机驱动，具有响应速度快、精度高、节能等优点。与传统注塑机相比，伺服节能注塑机在注塑过程中，电机只在需要的时候才工作，从而大大降低了能耗。此外，伺服节能注塑机还具有噪音低、维护方便等优点。



Servo hydraulic systems optimize power output based on load, significantly reducing energy consumption and noise.

► 响应快速 (Rapid response)
伺服液压系统的响应速度达到 0.05s (0-最大输出量)，相比传统液压系统的响应速度明显加快，有效缩短周期，提高生产效率。

► 能耗低 (Low energy consumption)
伺服液压系统功率随负载变化而变化，不存在多余能量的浪费。保持伺服电机低速运转，能耗更低。而且伺服电机工作稳定，无噪音，产品质量高。安装伺服液压系统的注塑机比传统注塑机可节省电能 20%-80%，给您带来真正的省电享受，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 cost back energy and bring you prominent economic benefit.

Comparison of response times and energy efficiency between servo hydraulic systems and traditional pump systems.

Response Time	0.05 s
Energy Savings	20% - 80% compared to traditional machines
Available Drive Systems	Constant Pump, Open-Loop Variable Pump, Closed-Loop Variable Pump, Servo Hydraulic

Technical Specifications

Key Model Specifications

Feature	NHTX780	NHTX1000
Clamping Force	7800 kN	10000 kN
Screw Diameter (Range)	90-110 mm	90-115 mm
Injection Pressure	199-232 MPa	200-255 MPa

Clamping System



Detailed view of the robust clamping and injection configurations available on the NHTX series.

Clamping Configuration

- 5-point double toggle system
- Mechanical, electrical, and hydraulic triple chain security protection
- Low-pressure mold protection
- Automatic centralized lubrication system
- Fast-mold differential device
- Strengthening moving platen wearable rail

Injection System

Injection Configuration

- Balance cylinder injection unit
- Multi-stage injection speed and pressure control
- High-torque motor-driven plasticizing unit
- Anti-cold start screw protection
- Barrel PID temperature control
- 3-mode carriage retreat selection

Optional Configurations



A wide range of optional configurations are available to customize the machine for specific production requirements.

Optional Upgrades

- Bi-metal screw • Stainless steel screw • Mold temperature controller • Accumulator-assisted injection • Multi-core pulling • Automatic feeder • Dehumidifier • Closed-loop control