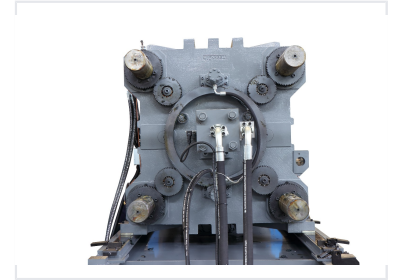
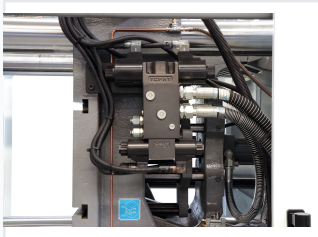


# Hydraulic Plastic Injection Molding Machine

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

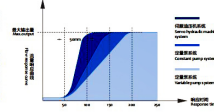
### NHTX/JD ENERGY-SAVING INJECTION MOLDING MACHINE



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

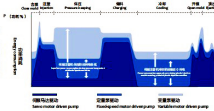
### 快速响应 Rapid response

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显著提高，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，保证伺服电机降低转速，能耗降低。而且在冷却电机不工作时，耗电为零，能量产品不同，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