

# Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is designed for sophisticated control and rapid response. It offers optional schemes including constant pump, open-loop variable pump, closed-loop variable pump, and servo hydraulic injection.



## ADDITIONAL IMAGES



## Overview

### High-Performance Hydraulic Injection Molding

The NHTX series hydraulic plastic injection molding machine is engineered with advanced technology to deliver sophisticated control, rapid response, and optimized energy consumption. Designed for consistent quality and high productivity, this series offers versatile configuration options including constant pump, variable pump, and servo-hydraulic systems. It is built to support demanding production environments with robust clamping and precision injection capabilities.

### Configuration Options

Constant Pump, Open-loop Variable Pump, Closed-loop Variable Pump, Servo Hydraulic

## Clamping Unit



Detailed breakdown of standard components and security features for the clamping and injection units.

### Clamping Force Range

**4000 kN**

Min Clamping Force

**5500 kN**

Max Clamping Force

### Clamping Features

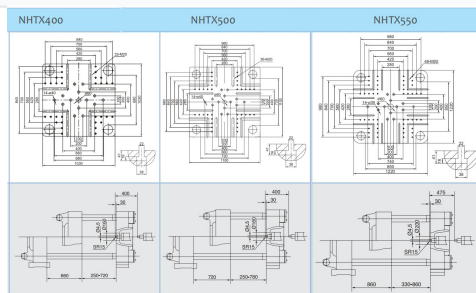
- 5-point double toggle system
- Triple chain security protection (mechanical, electrical, hydraulic)
- Low-pressure mold protection device
- Automatic centralized lubrication system
- Fast-mold differential device

## Injection Unit

### Injection Control Features

- Multi-stage injection speed and pressure setting
- Multi-level holding speed and pressure setting
- Anti-cold start screw prevention
- High-torque motor-driven plasticizing unit
- Barrel PID temperature control

## Technical Specifications



Dimensional specifications and mounting configurations for the NHTX series.

### Key Performance Metrics

Specification	NHTX400	NHTX500	NHTX550
Clamping Force (kN)	4000	5000	5500
Pump Motor Power (kW)	45	55	55
Heating Power (kW)	29.3	33	40
Machine Weight (t)	15.4	19	21

## Control System

### Control Unit Features

Color LCD Screen • Robot Interface • Data Protection Lock • Real-time Monitoring • Abnormal Alarm Function • System Hardware I/O Detection