

Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is designed for sophisticated control, rapid response, and low energy consumption. It is ideal for producing high-quality plastic parts with consistent results.



ADDITIONAL IMAGES



Overview

NHTX Series Hydraulic Injection Molding Machine

The NHTX series is a high-performance hydraulic plastic injection molding machine engineered with advanced Japanese technology to deliver sophisticated control and rapid response times. Designed for efficiency and durability, it features low energy consumption and a robust structure suitable for high-volume production across automotive, electronics, and consumer goods industries. The system offers versatile configuration options, including constant pump, variable pump, and servo hydraulic schemes to meet specific operational requirements.

Key Features

Core Features

Japanese Technology, Sophisticated Control, Rapid Response, Low Energy Consumption, Robot Interface Ready

Technical Specifications

Performance Parameters

Specification	NHTX1250	NHTX1500	NHTX1800
Clamping Force (kN)	12500	15000	18000
Max. Pump Pressure (MPa)	16	16	16
Heating Power (kW)	74.4	81.9	94.9
Machine Weight (t)	59	83	123

System Components



Overview of the premium components used in the machine, including controllers, hydraulic pumps, and valves.

Standard & Optional Components

- Controllers: Techmation / KEBA
- Hydraulic Pumps: USA High-Tech / Eckerle
- Directional Valves: Yuken / Vickers Eaton
- Motor Drives: Phase / Rexroth Bosch Group
- Hydraulic Motors: Dandun / Intermot
- Electric Equipment: Schneider Electric
- Electronic Feet: Bonny / Novotechnik
- Lubrication Systems: HERG
- Airproof Pieces: Hallite

Clamping Unit



Detailed breakdown of the clamping and injection unit features including safety systems and control units.

Clamping System Configuration

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

Injection Unit

Injection Unit Features

- Balance cylinder injection unit
- Multi-stage injection speed and pressure setting
- Multi-level holding speed and pressure setting
- Anti-cold start screw protection
- 3-Mode carriage retreat
- High-torque motor-driven plasticizing unit