

Hydraulic Plastic Injection Molding Machine

This hydraulic plastic injection molding machine is engineered for sophisticated control and rapid response. It is designed for low energy consumption and efficient plastic part production.



ADDITIONAL IMAGES



Product Overview

High-Performance Hydraulic Injection Molding

The NHTX series hydraulic plastic injection molding machine is engineered with advanced technology, prioritizing sophisticated control, rapid response, and low energy consumption. Designed for precision and high-volume production, it features a robust clamping unit and an advanced injection system suitable for complex part geometries. This machine offers versatile configuration options, including constant pump, open-loop variable pump, and servo hydraulic systems to meet specific manufacturing requirements.

Series

NHTX Series

Configuration Options

Hydraulic System Options

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

Injection Unit

TURIN INJECTION MOLDING TECHNOLOGY CO., LTD.

Model: TURIN 43904
 Max. Injection Pressure: 210 MPa
 Max. Shot Volume: 43904 cm³
 Max. Injection Weight: 39953 g
 Max. Injection Rate: 2200 g/s

Parameter	Unit	Value
Max. Shot Volume	cm ³	43904
Max. Injection Weight	g	39953
Max. Injection Rate	g/s	2200
Max. Injection Pressure	MPa	210
Max. Screw Diameter	mm	220
Max. Screw Speed	rpm	70
Max. Mold Height	mm	1900
Max. Open Stroke	mm	2000
Max. Ejector Stroke	mm	450
Clamping Force	KN	30000

Detailed technical specifications for the injection and clamping units.

Injection Performance Metrics

43904 cm³
Max Shot Volume

39953 g
Max Injection Weight

2200 g/s
Max Injection Rate

Injection Unit Specifications

Parameter	Range
Screw Diameter	130 - 220 mm
Injection Pressure	122 - 210 MPa
Screw Speed	50 - 70 rpm

Clamping Unit

Clamping Unit Dimensions

- Open Stroke: 1810 - 2000 mm
- Max Mold Height: 1700 - 1900 mm
- Min Mold Height: 750 - 1000 mm
- Ejector Stroke: 420 - 450 mm

Clamping Force

30000 KN

System Features

TURIN INJECTION MOLDING TECHNOLOGY CO., LTD.

1. Overview



2. Key Features & Benefits

- High precision injection molding machine designed and developed according to the latest technology.
- High injection pressure and high injection speed.
- High injection accuracy and high injection stability.
- High injection efficiency and high injection productivity.
- High injection safety and high injection reliability.
- High injection flexibility and high injection adaptability.
- High injection intelligence and high injection automation.
- High injection energy saving and high injection economy.
- High injection maintenance and high injection serviceability.
- High injection safety protection and high injection security.
- High injection data management and high injection traceability.
- High injection user experience and high injection satisfaction.

Standard configuration includes a 5-point double toggle clamping system and comprehensive safety protections.

Control & Safety Features

Color LCD Screen • Robot Interface • Data Protection Lock • Real-time Monitoring • Abnormal Alarm • Triple Chain Security • Low-pressure Mold Protection

Technical Data

Power & Capacity

- Heating Power: 114.5 - 204.5 KW
- Oil Tank Capacity: 3700 - 4500 L
- Machine Weight: 137 - 200 t