

Hydraulic-Electric Hybrid Injection Molding Machine

This injection molding machine combines a hydraulic clamping unit with an electric injection unit. The electric injection unit provides high injection speed and precise control.



ADDITIONAL IMAGES



Overview

High-Performance Hybrid Technology

This hydraulic-electric hybrid injection molding machine integrates advanced technology to deliver superior performance for high-precision manufacturing. Designed with a focus on energy efficiency and noise reduction, it combines the strengths of hydraulic and electric drives. It is ideal for demanding applications such as medical devices, food packaging, and upscale electronics, ensuring consistent quality and reliability.

Performance Metrics

Maximum Injection Pressure

3000 bar

Max Injection Pressure

Maximum Injection Speed

350 mm/s

Precision Specifications

Injection Position Accuracy	0.01 mm
Closed-loop Pressure Accuracy	± 1 bar
Mold Open/Close Position Accuracy	± 0.1 mm
Product Repeatability Accuracy	0.01-0.7%

Applications

Target Industries	Medical Products, Food Packaging, Upscale Electronics, High Precision Components
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Features

Core Advantages

- Lower noise operation
- Reduced energy consumption
- Precise intelligent control system
- Strong adaptability