

Full Electric Plastic Injection Molding Machine

This full electric plastic injection molding machine is designed for precision and energy efficiency. It utilizes direct drive electric lock mold technology and servo injection for enhanced performance and accuracy.



ADDITIONAL IMAGES



Overview

High-Precision Electric Injection Molding

This full-electric injection molding machine integrates advanced micro-flow, macromolecule material, and electronic technologies to deliver exceptional precision and energy efficiency. Designed specifically for ultra-thin, complex, and high-precision plastic parts, the system utilizes direct-drive electric clamping to ensure superior part quality. By optimizing dry cycle times and mechanical rigidity, this machine enhances overall production efficiency by 20% to 30% while maintaining tight tolerances.

Performance Metrics

Efficiency Improvement

25 %

Average Efficiency Gain

0.5 mm

Clamping Accuracy Deviation

Technical Specifications

Clamping Technology	Direct drive electric lock mold technology
Control Technology	Precision Servo Injection, High Response Control, Fast Reaction Speed

Mechanical Design

Frame and Bearings

- High rigidity frame for high-speed stability
- Self-lubricating bearings
- High rigid clamping mechanism
- Uniform force distribution

Applications

Suitable Applications

Ultra-thin products • Complex injection molding • Precision components • Automotive • Medical • Consumer goods