Injection Molding Part Removal Robot

This injection robot is designed for removing parts from injection molding machines, especially those with loose-core fixtures. Its arm structure and speed make it suitable for removing thin-walled products from 300T-500T high speed injection molding machines.

ADDITIONAL IMAGES

Overview

High-Speed Injection Molding Automation

This advanced robot is engineered for rapid part removal in injection molding processes, specifically optimized for thin-walled products. Its frame-type design ensures versatility regardless of product size, making it particularly effective for molds with top-mounted loose-core fixtures. With an in-mold removal time of just 0.8 seconds, it significantly enhances production cycle efficiency for high-speed machines ranging from 300T to 500T.

Performance Metrics

In-Mold Removal Time

0.8 s
Removal Time

Compatible Machine Tonnage	300T - 500T

Technical Specifications

Key Design Features

- Frame-type robot architecture
- Back-installed electric cabinet for shock resistance
- Wheel gear lateral plate structure
- Manual lubrication system on traverse guide rail

Maintenance & Durability

Feature	Benefit
Back-installed cabinet	Improved stability and reduced electronic faults
Lateral cylinder piston	Prevents skewing for longer cylinder lifetime
Traverse guide rail	Convenient manual lubrication system

Axes Configuration	3-Axis, Servo-driven, Vertical Arm (Y), Horizontal Arm (X), Crosswise Arm (Z)