In-Mold Labeling Robot System

This high-speed system integrates a robotic arm with a conveyor for efficient label application during molding. It ensures precise label placement and rapid cycle times for high-volume automated labeling solutions.

ADDITIONAL IMAGES

Overview

High-Efficiency IML Robot System

This advanced In-Mold Labeling (IML) robot system is designed for seamless integration with injection molding machines ranging from 160T to 800T. Engineered for high-speed production, it achieves a minimum cycle time of 2.8 seconds, making it ideal for thin-wall packaging applications. The modular, open-structure design ensures easy maintenance and allows for flexible adjustments, significantly reducing the investment required for future product lines.

Performance Metrics

Minimum Cycle Time

2.8 s
Cycle Time

Compatibility

Compatible IMM Tonnage	160T - 800T

Technical Specifications

Key System Features

- Open structure design for easy maintenance
- Adjustable distance for label stock and stacking fixture
- High-precision linear rails and synchronous belts
- High-performance vacuum pump for labeling
- Integrated static system
- Automatic product stacking and conveyor system

Core Components

Component	Specification/Quality
Drive System	World-class servo motor and reducer
Motion System	High-precision linear rail and synchronous belt
Labeling System	High-performance vacuum pump

Compliance & Quality

Certifications	CE Certified, Euro Food Grade Compliant