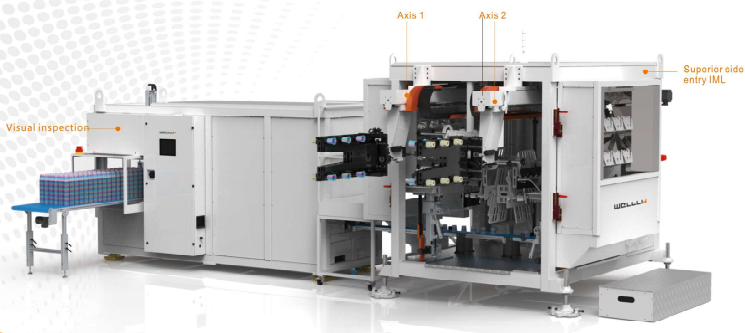


Stack Mold Double Spindle Side entry IML with visual inspection intelligent production line system

Point at the requirement of mass production, can be produced two same or different product at the same time, production efficiency improved perfectly



Superior side entry IML system

For the needs of ultra-high-speed production, it is suitable for small products, such as yogurt cup.

Inverted Axis

A: Avoid the height interference, avoid the mechanical vibration interference from IMM, increase the internal space to facilitate the switch of modules.
B: Use the DiterCAT bus servo driver system, improve reaction rate, reduce in-mold cycle time.

Carbon Fiber Arm Design

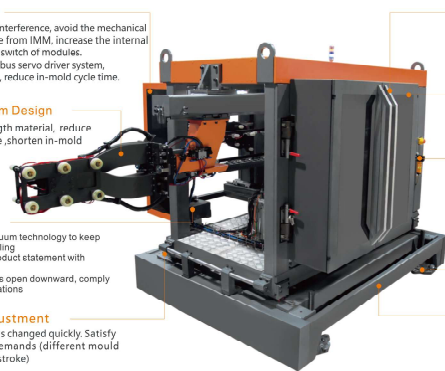
Contains high strength material, reduce the mold open space, shorten in-mold cycle time

Stack Method

A: Adopt FESTO vacuum technology to keep stable function of labeling
B: More stable for product statement with gantry design
C: Stack the product's open downward, comply with food safety regulations

Horizontal Adjustment

Horizontal direction is changed quickly. Satisfy the various mould demands (different mould thickness and open stroke)



Fast Interchangeability Can Be Done In Different Label Magazine Modules

The electrical design modularization can be quickly exchanged by the combined air-electric hybrid reload connector.

Label Magazine Modules

The rotating connecting rod structure is fast, stable and accurate

Safety

Electric safety circuit conforms to level IV ENISO13849 + Pilz safety lock. It ensures the safety of operation staff

Special Adjustable Mode

Suitable for 200T-400T injection molding machine

Steel Structure For The Integrated Framework

During the high-speed operation, the main axis is stable and less vibrating. The strength and vibration characteristics of the frame structure are improved by using the finite element method

Side entry IML system for flat label



Compared with the injection molding process, the production capacity is greatly improved. It can be reached more than 100%, which is more suitable for large-volume order products and the cost of unit price get lower.



Classic Side Entry IML

Suitable for small size product, such as yogurt cup etc.

Stack Module

Adopt FESTO vacuum technology to keep stable function of labeling

Special Adjustable Mode

Suitable for 200T-360T injection molding machine

Steel Structure For The Integrated Framework

The strength and vibration characteristics of the frame structure have been improved by the finite element method.



Label Magazine Modules

It is convenient for quick change label station and stack station with fast switching valve module

Carbon Fiber Arm Design

Contains high strength material, reduce the mold open space, shorten in-mold cycle time

Air Valve Module

Adopt a large flow vacuum pump to provide system gas which is more efficient and fast

PLUS classic side entry IML

Circle label and flat label can be switched within 2 hours to meet the production of multiple varieties and small batches cargo.



Circle Label Module

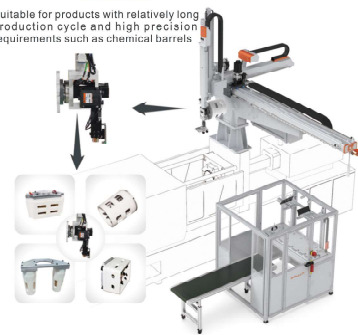


Flat Label Module



Classic top entry IML system

Suitable for products with relatively long production cycle and high precision requirements such as chemical barrels.



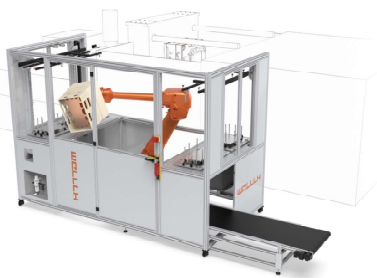
Top entry IML for flat label

Suitable for short-period labeling of thin-wall products such as fast food boxes/ lids.



Side entry IML with 6-axis robot

Suitable for large products and plants with the limited height



High-speed side entry pick robot system

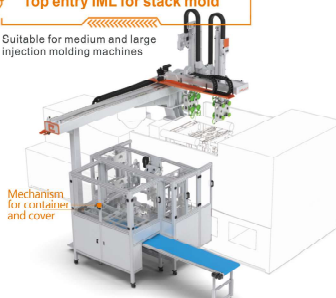
Suitable for big products and multi-cavity mold products:

- Compact structure, small space
- Easy adjustment and maintenance
- Maximum acceleration: 4g
- Fast reaction, smooth movement, low noise
- Maximum speed: 6m/s
- Minimum take-out time: 0.0s



Top entry IML for stack mold

Suitable for medium and large injection molding machines



Mechanism for container and cover



Stack mold with top pick up/ Mechanism for container and cover

FC Series High-speed Take Out Robot



FCW05-1100 ■ Suitable I.M.M.:200~500l

FCW05-1300 ■ Max load: 5kg ■ Minimum take out time: 0.8S

