Palletizer Robofolder RF360

RECMI Industrie "One-By-One" robotic concept
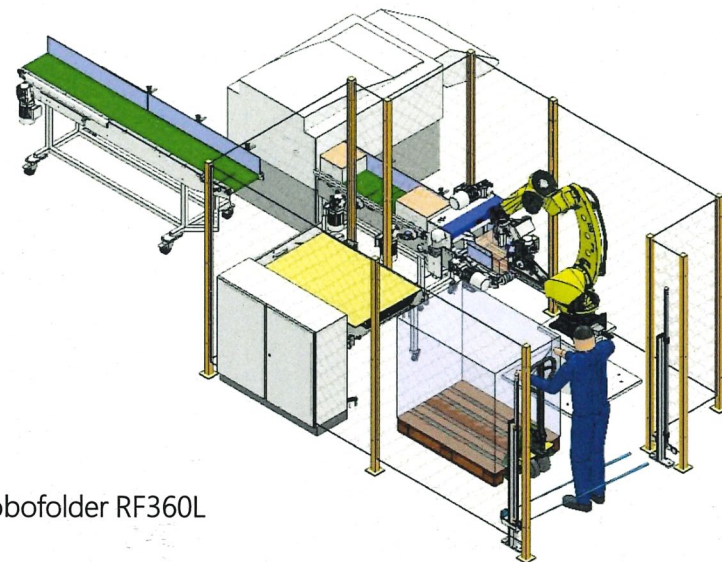

Robotic palletizing
for folder deliveries / finishing lines

Automated palletization of folder deliveries

The ROBOFOLDER RF360 robotic palletizer is equipped with a 6-axis robot (3D motion technology), specially designed for palletizing products from folding machines.

The ROBOFOLDER RF360 is available in RF360L, RF360M and RF360P versions, with varying degrees of automation and pallet heights ranging from 1000 mm to 1400 mm.
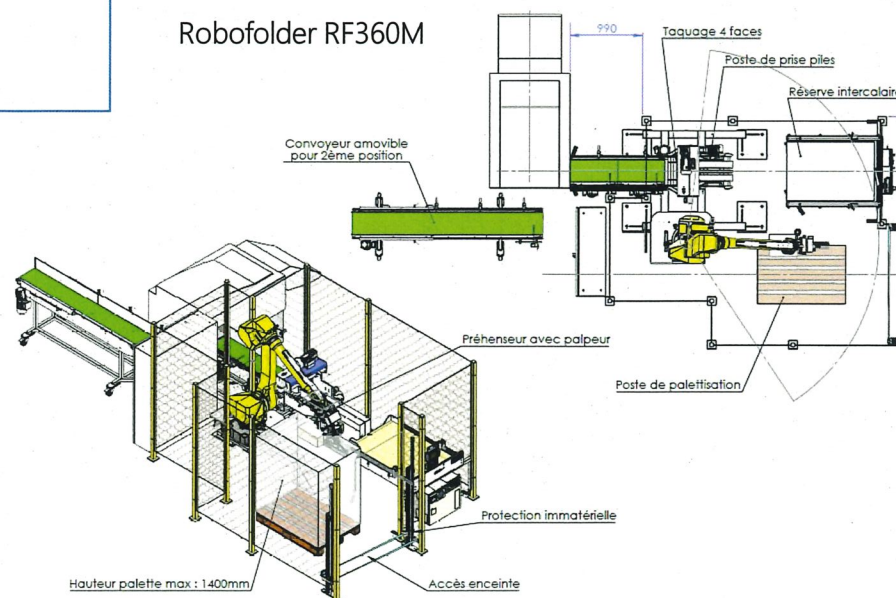

Robofolder RF360L

Robofolder 360

- Conveyor adapted to the folder's outlet
- Re-centring system
- Pile pick-up station
- 1 robotic arm
- 4-Side jogger
- Specific multifunction gripper
- Interleaving magazine
- Storage for empty pallets
- Automated pallet conveyor (option)
- Tactile operator interface
- RecmiPal Palletization software
- RecmiPilot Monitoring software

- Spacious design for optimum accessibility and production visibility
- Movement flow that protects products while maintaining production rates
- Wide variety of products using a specific gripping tool and a gripping module that automatically adjusts to the format
- Various production configurations for upstream equipment

Robofolder RF360M

Designed for high production rates

The Robofolder 360 is equipped with a 6-axis polyarticulated robot for palletizing at output rates of up to 360 stacks/hour.

- 4-Side jogger
- Patented gripper with interleaving function
- Patented gripper with contact sensor
- RecmiPal Palletization software
- Automatic pallet management
- Interleaf insertion during the cycle of pile placement on the pallet for high speed

Product protection, palletizing quality

4-Side jogger system principle

- Placement which ensures the protection and secure holding of asymmetrical products
- Gripper with sensor that comes into contact with the previous layer and guarantees precise, gentle application (no product fall-out), which is particularly important for stacks of asymmetrical or bulky products
- Placement of adjoining stacks to ensure stability of both stacks and pallets
- Automatic interleaving which ensures pallet stability
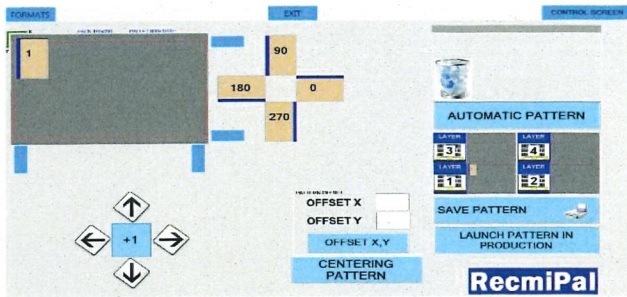

Interleaf pick-up and placement

Multi-function gripper

The gripper tools are equipped with a system which enables the machine to implement interleaving and pack palletization in the same cycle, shorter cycle time, higher speed.

High pallet stability even with complex products

RecmiPal software

The RecmiPal software supplied as standard enables palletizing layouts to be generated automatically, based on product and pallet formats.

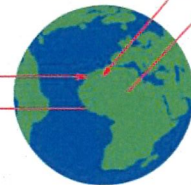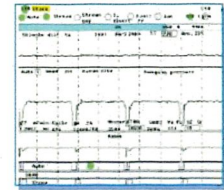These layouts can be saved and called up at a later date.

The interface is both quick and intuitive to use.

Safety module

- Operator safety guaranteed by protective mesh enclosures, safety light curtains, interlocking doors, etc.

- Additional virtual safety fencing surrounding the robot

- Compliance with **Level 4 CE Standards**

OPTION
Telemaintenance system

- Secure access by means of fixed RECMI IP address identification, password and VPN

- Possibility of incorporating the remote maintenance system into the client company's security strategy via IP

- Programming software for the various components installed on an industrial PC platform

Remote assistance via Internet and reduced maintenance costs

- Remote intervention to modify the client's production parameters
- Remote diagnostics
- Remote parameter and settings management

Technical specifications

Min/max product length	190 mm – 380 mm
Min/max product width	100 mm - 290 mm
Product height	minimum 30 mm, maximum: 210 mm (other, please enquire)
Weight of the pile, max.	15 Kg
Height of the pallet, max.	1000-1600 mm
No. of piles per hour, max.	Placement of joined or non-joined piles, with interleaves (multi-function gripper): 360 piles / hour (according to configuration and products)
Pallet type	EUR-pallet 800 x 1200 mm, 1000 x 1200 mm, 600 x 800 mm other formats, please enquire