

Robotic Palletizer MUX420

RECMi Industrie "One-By-One" robotic concept



Robotic palletizing
for industrial sewing machine output

Automated palletization at sewing machines deliveries

The MUX420 palletizer is a robotic palletizer specially designed for palletizing piles of stitched blocks from industrial sewing production lines. It is capable of absorbing the production flow of lines consisting of 2 to 3 stitching heads.

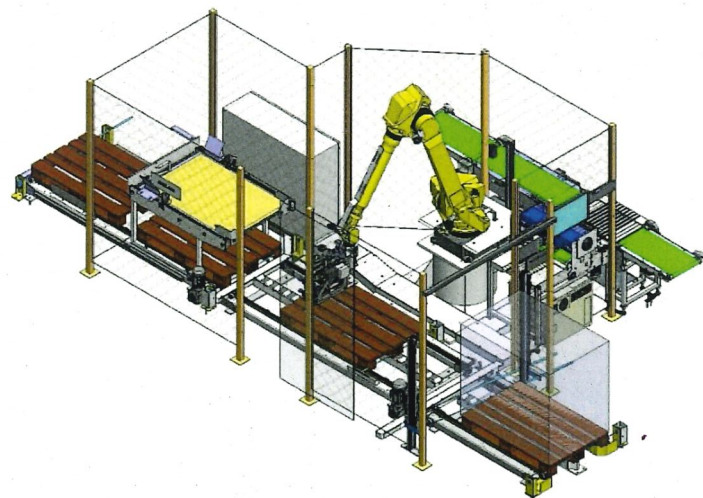


MUX420 Standard version

- 1 pile-conveying line
- 1 pile pick-up station
- 4-side jogger system
- Multi-function gripper
- Interleaving sheet magazine
- Storage for 2 empty pallets
- Touch screen interface
- RecmiPal Palletisation software
- RecmiPilot Monitoring software



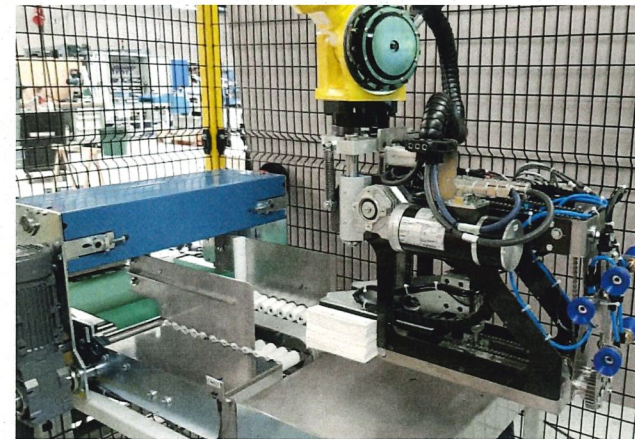
The conveying line transfers the piles of stitched blocks to the gripper pick-up module. This is equipped with a 4-side jogger system which ensures that the product is not damaged during pick-up and that palletizing is always of the highest quality.



- Design which ensures optimum accessibility for quality control
- A simple, robust concept
- Processing of a wide variety of formats
- The MUX420 Robotic Palletizer is available in the standard version and a fully-automated version (fully automated pallet infeed)

Product protection

- Patented special gripper designed to guide the pile during pick-up
- 4-side jogger system
- Gripper adapts automatically to different formats
- Smooth product pick-up and laying



Guiding the pile from pick-up to laying on the pallet

4-side jogger system



Palletizing quality

- 4-side jogging of the piles
- Gripper equipped with sensor that comes into contact with the previous layer and guarantees precise, gentle application (no product fall-out)

- Piles placed side by side to ensure the stability of fragile products
- Multi-function gripper equipped with a system of suction devices to enable distribution of interleaves between the layers of packs and contributes to the stability of the pallet
- RecmiPal palletization software



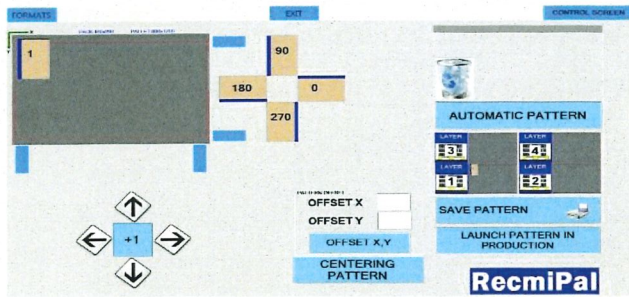
Pallet stability



Interleaving



RecmiPal software



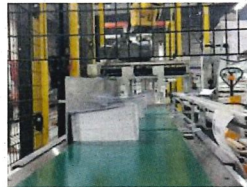
The RecmiPal software supplied as standard enables palletizing layouts to be generated automatically, based on product and pallet formats.

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

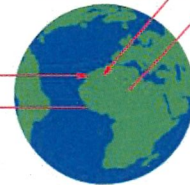
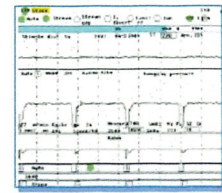
The interface is both quick and intuitive to use.

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	170 mm – 430 mm
Min/max product width	100 mm - 280 mm
Product height	minimum 50 mm, maximum: 150 mm (other, please enquire)
Weight of the pile, max.	10 Kg
Height of the pallet, max.	1200 mm
No. of piles per hour, max.	Placement of joined or non-joined piles, with interleaves (multi-function gripper): 420 piles / hour (according configuration and products)
Pallet type	EUR-pallet 800 x 1200 mm other formats, please enquire

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

