

MR101

Top loading robotic packing solution of any kind of flexible packaging.



Characteristics

- > Designed for packing of all kinds of flexible packages, non cumulative, disorderly at high production volume.
- > Fitted with 4-axis robot spider and artificial vision.
- > Modular concept.
- > Up to 120 cycles/minute.
- > Occupies small amount of space.
- > Flexibility to handle different types of packaging by only changing the type of suckers: flowpack, pillow bag, bags, doypacks etc.
- > Continuous cycle without stopping of the case exchange.
- > Valid for WRAPPING cases such as RSC.

The **MR-101** is a modular top loading robotic packer for compact filling of cases (Wrap or RSC). The cases are filled by a robot, adapted for speed and product type depending on the required production. Valid for any kind of flexible packaging.

With this generation of packers, the market needs in automating the end of line products whose irregular or unstable forms are not readily manageable at high production volumes are catered to.

Available with simple product entry.

Modular robotic packer system fitted with all types of flexible packaging.

Quick format change

PRODEC
FLEX · TECH

MR101

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OMAC standard

The PRODEC packers are ready to integrate lines of work according to the OMAC Standard (PackML and Pack Tag).

Product input

Product instore conveyor, length 2050 mm. and useful width of 400 mm., with a working height of 900 mm. Engine power through 0.25 Kw gear motor. Artificial vision system for detecting the relative position of the containers on the instore conveyor.

Robot manipulator

4-axis robot including single axis rotation of the wrist. This model is ideal for picking multiple pieces of tape at high speed.

- > Design flexibility for the clamp and use of material.
- > 4 axes controlled
- > Payload up to 6 kgs.
- > Repeatability 0.1 mm.
- > Max. reach 1350x500 mm
- > Mechanical unit weight 160 kgs.
- > Driven by brushless AC servomotors.
- > Absolute encoder system (no calibration required)

PRODEC has a team for developing these outstanding design features and functionality detailed below:

Compact design

All the functions described are developed in a versatile, efficient and compact equipment, occupying a small and simple handling space for the operator. Robust and transparent from any constructive conception angle, it allows one to observe all mechanisms and operational functionality from the outside.

Accessible

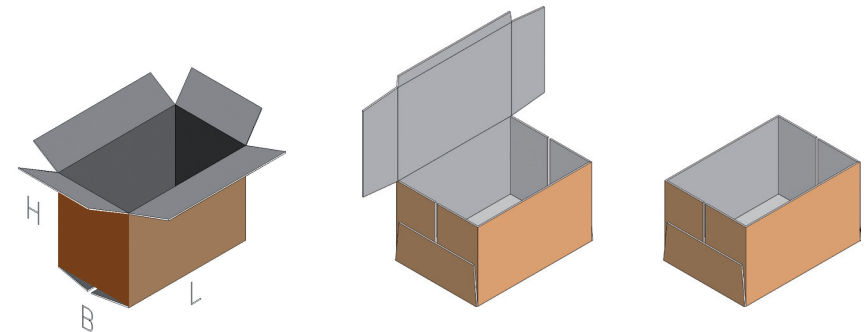
The clean, open design without mechanical barriers, greatly simplifies all interventions required on the equipment, whether by a change in format or a simple cleaning and maintenance regulation or routine.

Flexible

Its advanced concept allows an expansion of its functions to suit the required project needs.

Technical information

Feeding number	1		
Color	Metallic gray		
Case measurements	L	B	H
Max.	500	300	350
Min.	200	150	115



Ergonomics

We have used specific design methods for its development to optimize the comfort and convenience of staff working on the machine.

Information Management

A powerful software developed by our technical team allows you total control over the device functions. You can also perform simple formatting changes through the incorporated touch screen. Through this, it is possible to verify production efficiency for shifts or slots, making it an effective analytical instrument. It is ready to integrate various lines of work according to the standard OMAC.