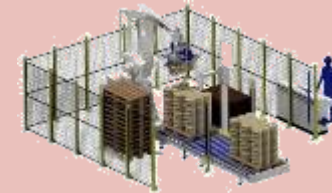
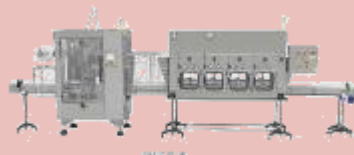


THE PRODUCTS



Scaligera Manufactures Sleeve Application Plants (Applicator + Shrink Tunnel), Monoblock Case Packers and Palletisers to cover a wide range of industrial sectors.



Speed Range :

2000 – 55000 bph

Materials :

Stainless Steel Aisi 304

Anodized Aluminum

Applications :

Body , Full Body with perforations , Tamper Evident , Half Body.

Shrink Steam Tunnel

Electric Hot Air Tunnel

Infrared Tunnel

Speed Range :

Up to 1000 case/hr

Vertical Loading system with cartesian Pick&places

Vertical Loading systems with Robots (Delta , Antropomorph , etc)

Carton Storage in line or 90°

Product Feeding system with single/multi lane

Closing System with Tape or Glue

Speed Range :

Up to 2000 case/hr

Cartesian or Sweep palletizers.

Semi automatic solution with Pallet on ground or fully automatic with motorized rollers automatici and automatic empty pallet storage.

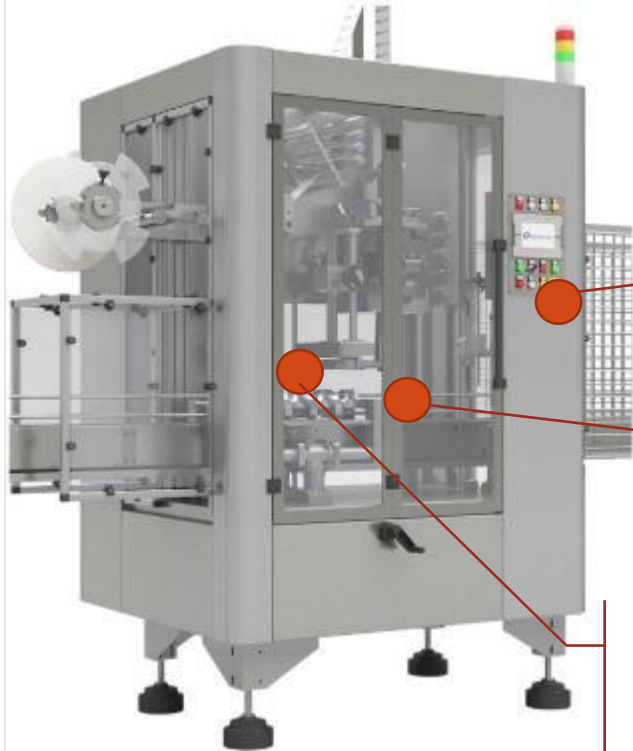


SLEEVE PLANTS: SLEEVE APPLICATOR «ULISSE»



APPLICATIONS :

Standard : Body
Optional :
Half Body
Full Body
Tamper Evident
Multipack
Underlap



OPTIONALS :

Double Screw
Double Reel
Pre-fixing
V/H Perforation
No Stop Storage

SLEEVE APPLICATOR MODULES :

Reel Support + Dancer
N.1 Cutting Head with 180° Turning Device
N.1 Sleeve Pulling System
N.1 Sleeve Shooting System
N.1 Gate/Screw Product Separating System
N.1 Reading Sleeve Sensor
N.1 Product Presence Sensor
Micrometric Handwheels to Format adjustment
N.1 Mandrel for n.1 Format

CORE :

Easy Access for Maintenance
Flexibility
Fast and Easy Changeover
Human Machine Interface
Ergonomic Machine Design

SLEEVE APPLICATOR: MODELS



ULISSE 2000
Speed up to
2000 bph



ULISSE 4-22.000
Speed up to
22000 bph



ULISSE 30-50.000
Speed up to 50.000 bph



ULISSE 30000 2T
With double head
Speed up to 55.000 bph

The nominal production is referred to a sleeve with length 100 mm
For special shape or special application will be Scaligera to define the correct solution.

Tin / Can



PET / GLASS
BOTTLES



PLASTIC/ GLASS
JARS



CUPS



PLASTIC / GLASS SHAPED
CONTAINERS



KEGS



SPECIAL
PRODUCTS

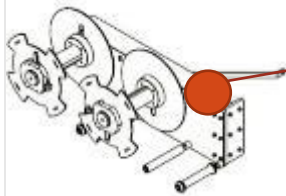


SLEEVE APPLICATOR: REELS SUPPORTS



STANDARD REEL SUPPORT

Ø Reel Diameter 400 mm
Ø Reel Core : 76 / 125 / 152 mm
Position : Outside , H approx 1700 mm



DOUBLE REEL SUPPORT

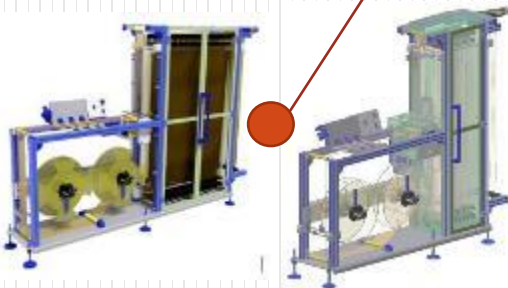
Ø Reel Diameter 400 mm
Ø Reel Core : 76 / 125 / 152 mm
Position : Outside , H approx 1700 mm
Manual Splicing

BUFFER REEL STORAGE

Ø Reel Diameter 600 mm
Ø Reel Core : 76 / 125 / 152 mm
Position : Parallel / Horthogonal
Capacity : 70-135 mt of sleeve
Double Reel station
Splicing Table
Manual Splicing

AUTOMATIC REEL STORAGE

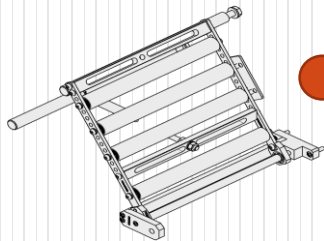
Ø Reel Diameter 600 mm
Ø Reel Core : 76 / 125 / 152 mm
Position : Parallel / Horthogonal
4 or 6 Reels station
Automatic Splicing
No automatic interruptions



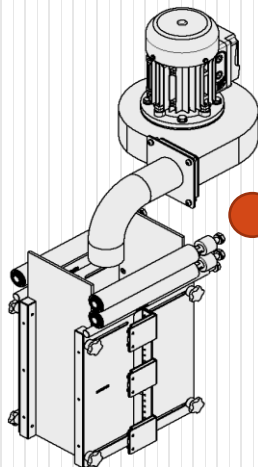
SLEEVE APPLICATOR: DANCER



SLEEVE DANCER



STANDARD MECHANICAL DANCER
System with rollers to keep in tension
The film.

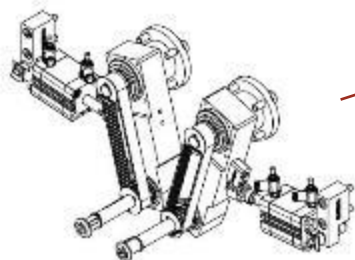


AIR DANCER WITH BLOWER
System with blower to keep in tension
The film for High speed Lines or pre-
cutted sleeves.

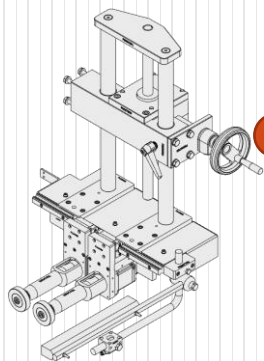
SLEEVE APPLICATOR: SLEEVE APPLICATION



**PULLING/CUTTING/SHOOTING
SLEEVE**

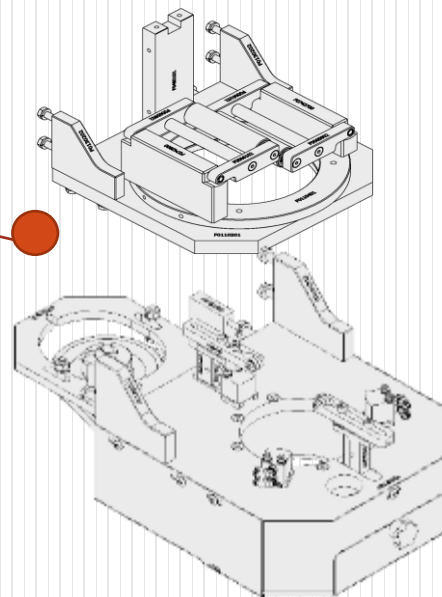


Single/Double Pulling Group in according with the speed of the machine.
The sleeve drive wheels push the sleeve into the mandrel



MANDREL TURNABLE SUPPORT
To suspend the mandrel without tools
ROTATING CUTTING HEAD
That could be Pneumatic or Electronic
(after the 20.000 bph)
Could Be present from 1 to 4 blades

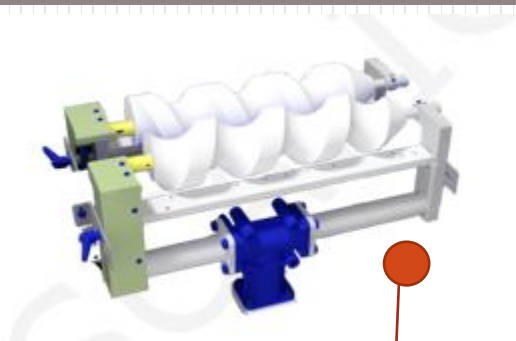
Sleeve Shooting Group
The wheels pick up the cut sleeve
On the bottle.



SLEEVE APPLICATOR: PRODUCT FEEDING

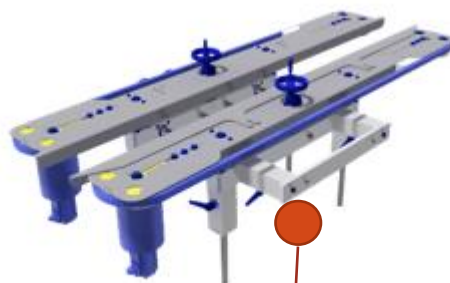


PRODUCT FEEDING/SEPARATING

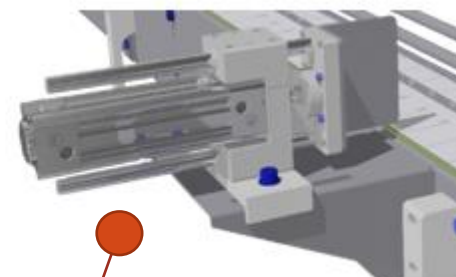


**SINGLE / DOUBLE
SCREWS**

With oval/square sections
always Double Screw
Option.



Side Motorized Belts
For unstable / Special
products.

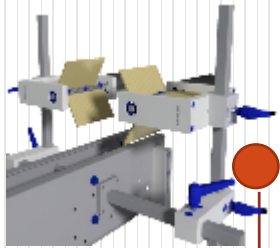


Gate / Stopper
For slow speeds

SLEEVE APPLICATOR: SLEEVE POSITIONING DEVICE

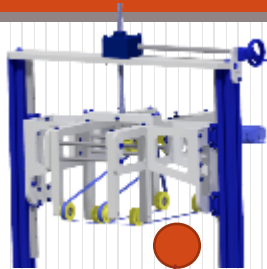


SLEEVE POSITIONING



**ROTATING
BRUSHES**

Normally used for
Round products.



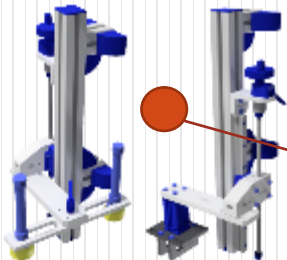
Top Belts

For Conical Products



Motorized Eccentric

For Body/Fullbody
Application of shaped
Products –High Speed



Pneumatic Pushers

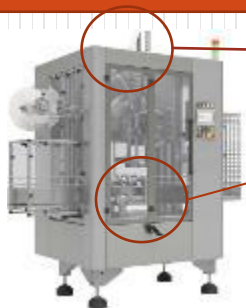
With discs or forks
For low speeds



With Vibrator

Normally for Tamper
evident application

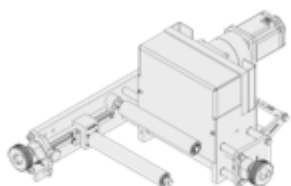
SLEEVE APPLICATOR: SPECIAL ACCESSORIES



ACCESSORIES

VERTICAL/HORIZONTAL PRECUTTING

Accessory for « Full Body » application
(with Cap included)

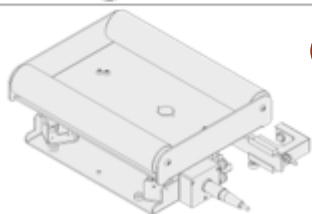


PERFORATION

Accessory for « VERY SHAPED » bottle

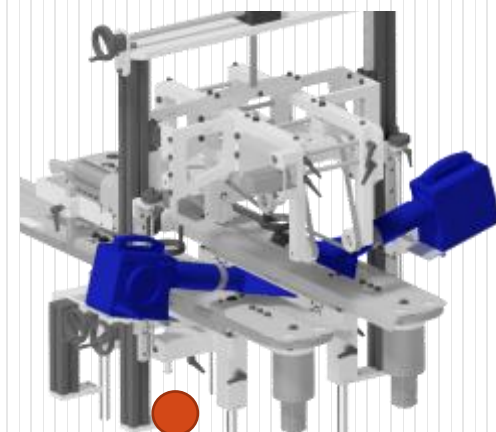


SLEEVE ALIGNMENT DEVICE



PREFIXING SYSTEM

System with blower and side belts to Half Body
and Tamper evident Application.



SHRINKING STEAM TUNNEL



APPLICATIONS :

Standard :
Body
Half Body
Full Body
Tamper Evident
Multipack
Underlap

OPTIONALS :

Additional Protection Doors
Externa Nozzles Regulation
PLC + HMI

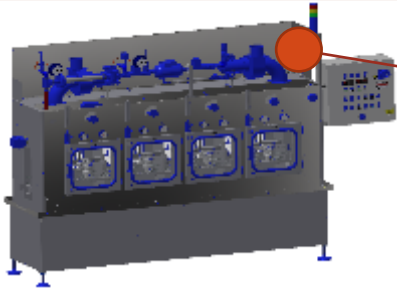
CORE :

Easy Access for Maintenance
Flexibility and High Performances
Fast and Easy Changeover
Ergonomic Machine Design

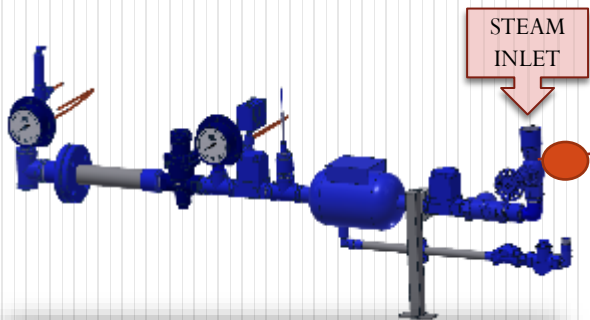
SHRINK STEAM TUNNEL MODULE :

N.1 Steam Management Group
N.1 Electrical Resistance
N.2 Gravitational Valves for steam regulation
N.1 Gate Valve for Exhaust Steam
N.2 Nozzles with regulations on 4 axes Y/Z/R/W

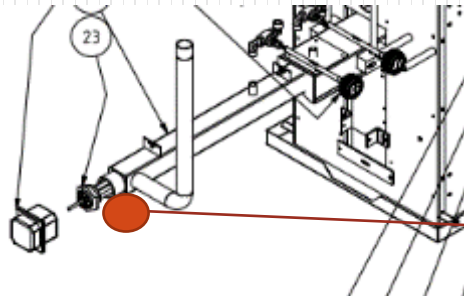
SHRINKING STEAM TUNNEL : Steam Group



**STEAM GROUP PLACED ON THE ROOF
OF THE TUNNEL**



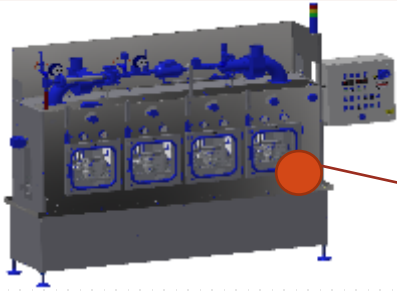
STEAM GROUP
INLET PRESSURE MIN. 4 BAR



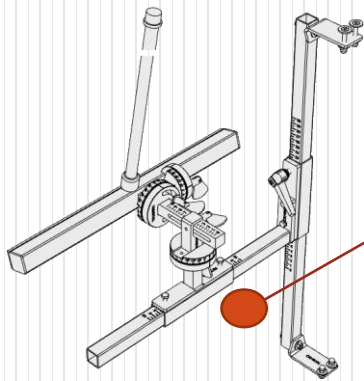
OVERHEATED STEAM SYSTEM
Complete of electrical resistance
inside the main manifold of the
tunnel.

NB. THE STEAM GENERATOR AND PIPING CONNECTION FROM/TO ARE EXCLUDED

SHRINKING STEAM TUNNEL : Steam Group



STEAM TUNNEL SECTION

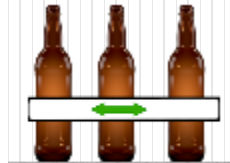
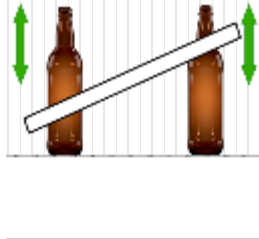
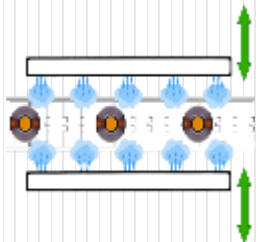


STEAM SHRINK CHAMBER

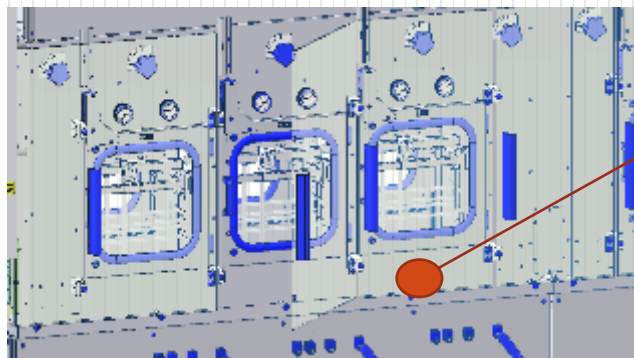
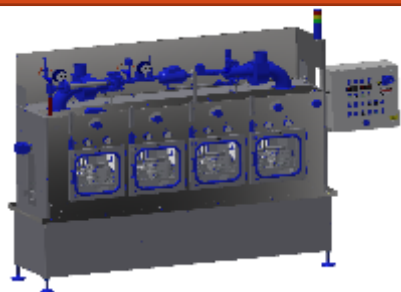
FROM 1 TO 10 CHAMBERS in according to the production speed and type of products.

REGULATION AND DISTRIBUTION CELLS

There are two regulation and distribution cells for each chamber (or section) and are used to distribute the steam near the point where you want to shrink the sleeve. They will be adjusted according to the format

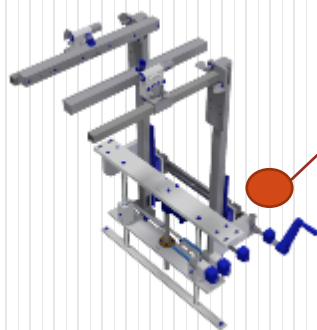


SHRINKING STEAM TUNNEL : OPTIONALS



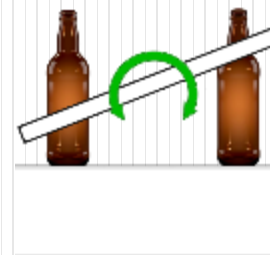
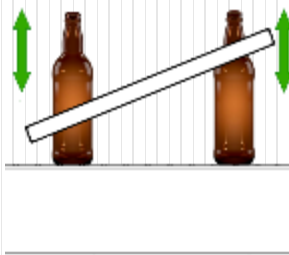
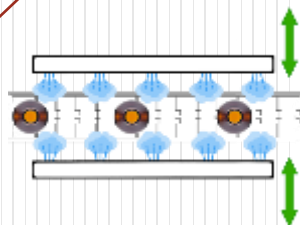
TRANSPARENT DOORS

Some models (as optional) are equipped with transparent doors to further reduce the slight risk of mild burn by placing the hand without a suitable glove on the chamber wall.



OPTIONAL EXTERNAL ADJUSTMENTS

Some models (as optional) are equipped with external adjustments that allow you to adjust the positions of the cells from the outside without having to open the chambers. This allows a much faster change of format

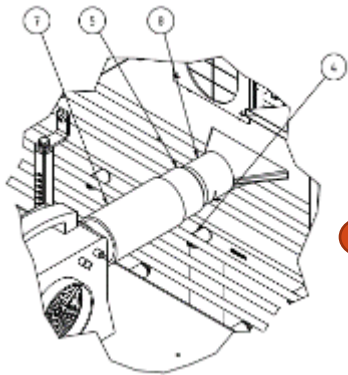


SHRINKING HOT AIR TUNNEL :



TA HOT AIR TUNNEL

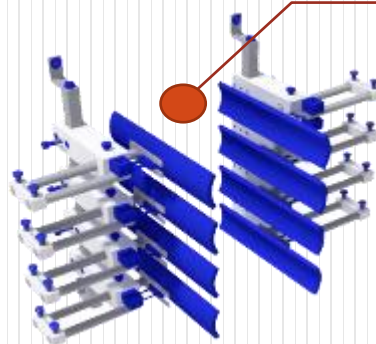
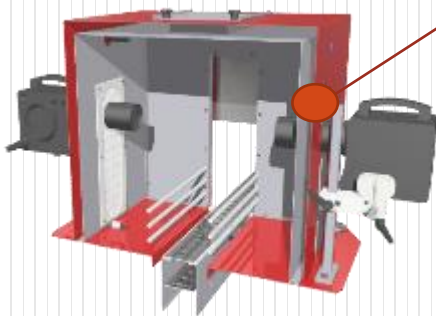
Normally used for Tamper Evident Applications or Body for small products with transparent sleeve.



HEATERS

2-4-6-8-10 HEATERS with manual adjustment in Height and inclination .
Temperature/Air Flow Control on board.
Optional : in Remote by PLC

INTERNAL VIEW



OPTIONAL : INFRARED CERAMICS PLATES

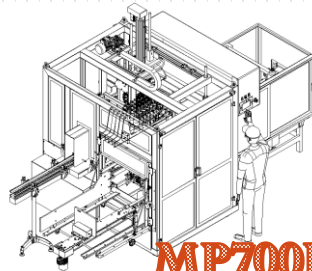
Used before the Hot Air Heaters for «Body» Applications on small Products.

MONOBLOC CASEPACKERS

SCALIGERA
packaging



MP500L



MP700L



MP1000L

BASIC EQUIPMENT :

- PUSHER SYSTEM
- CARTESIAN AXIES
- CARTON STORAGE (1,4 MT)

OPTIONAL EQUIPMENT :

- GRIPPER ROTATION 90°
- PRODUCT TURNABLE DEVICE 90°
- GLUE SEALER

BASIC EQUIPMENT :

- INFEEED SHAKER DEVICE
- MULTI CHANNELS
- CARTON STORAGE (1,4 MT)

OPTIONAL EQUIPMENT :

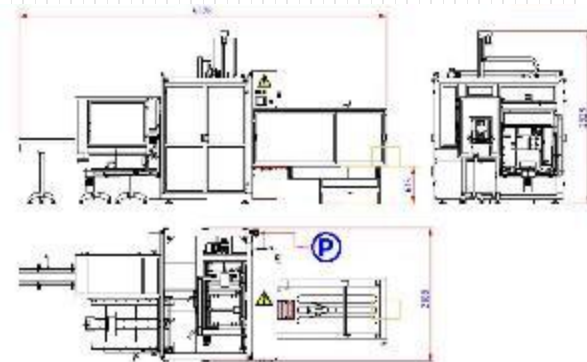
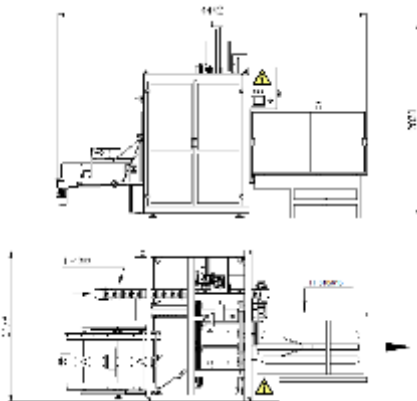
- GRIPPER ROTATION 90°
- GLUE SEALER

BASIC EQUIPMENT :

- CHANNEL DIVIDER SYSTEM
- CARTESIAN AXIES
- CARTON STORAGE (1,4 MT)

OPTIONAL EQUIPMENT :

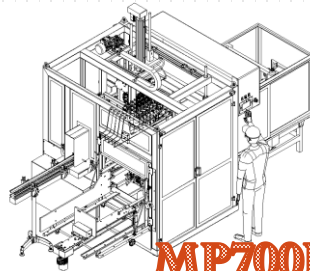
- GRIPPER ROTATION 90°
- GLUE SEALER



MONOBLOC GRIPPERS



MP500L

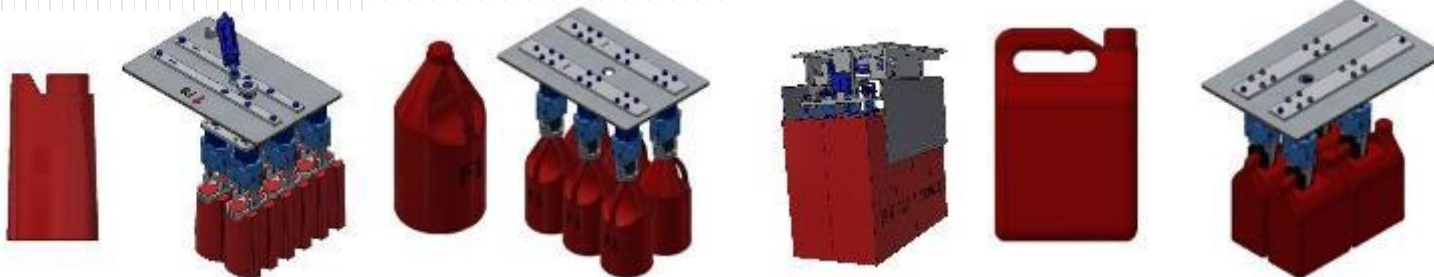


MP700L

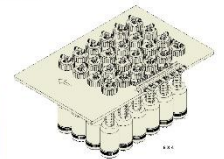
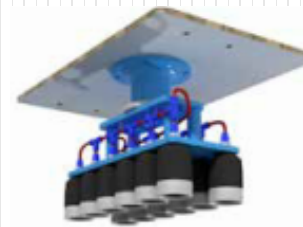


MP1000L

MECHANICAL PINCERS/CLAMP:



VACUUM GRIPPERS



PALLETIZERS



GANTRY



LAYERS



ROBOTS

BASIC EQUIPMENT :

- CARTESIAN AXIES (X/Y/Z/ROT)
- SPEED : UP TO 500 CPH
- In according with dimensions of the products

OPTIONAL DEVICES:

- EMPTY PALLET MOTORIZED STORAGE
- EMPTY/FULL PALLET MOTORIZED ROLLERS
- INTERLAYER STORAGES
- MODULES FOR PICKING OF PALLETS AND INTERLAYER BY GRIPPER HEAD
- PRE-FORMING CARTON ROW ROLLER
- ROTATING PALLET ROLLER

BASIC EQUIPMENT :

- PRE-FORMING LAYER ROLLER
- LAYER PUSHER
- SPEED : UP TO 1200 CPH
- In according with dimensions of the products and layer pattern.

BASIC EQUIPMENT :

- ROBOT ABB SERIES
- ROBOT BASEMENT
- SPEED : UP TO 2000 CPH
- In according with dimensions of the products and layer pattern.

