

# ILG PACKAGING TECHNOLOGY





## Our Range

|   |                      |    |                                 |
|---|----------------------|----|---------------------------------|
| 1 | Tray Sealers         | 6  | Multihead System                |
| 2 | Thermoforming Lines  | 7  | Vacuum Chamber Machines         |
| 3 | Flow Packs           | 8  | Production Line for Ready Meals |
| 4 | Cup Filling Machines | 9  | End of Line                     |
| 5 | Vertical Fill Seal   | 10 | Palletizing                     |



# Our Partners



Colimatic



Italian Pack

Italian Pack 



Unimac-Gherri



BMB







Thermoforming THERA Lines



THERA 100



THERA 450



THERA 250



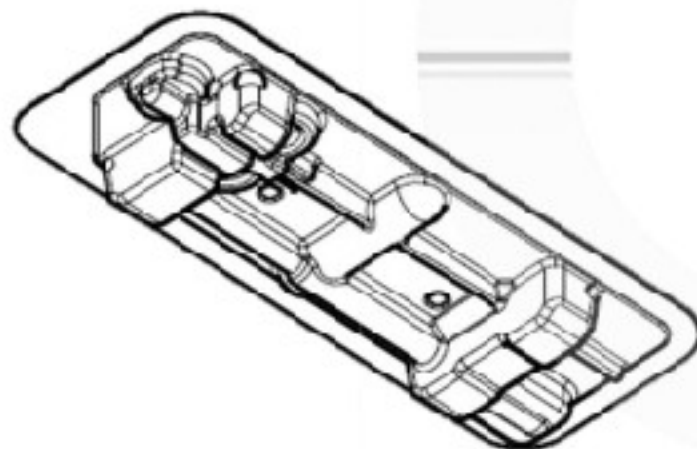
THERA 500



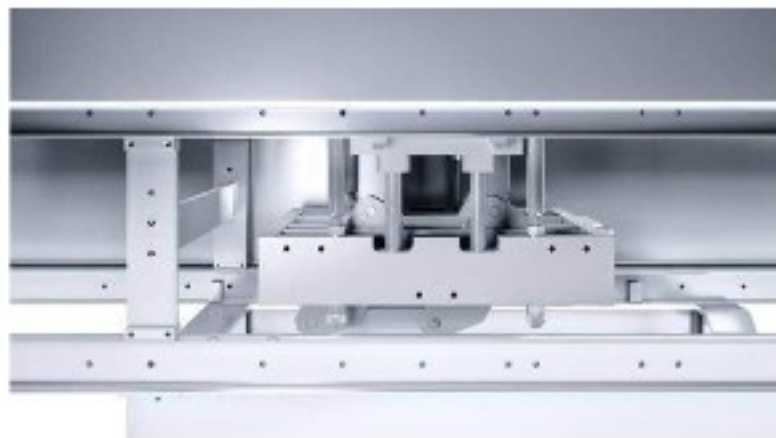
THERA 650



Highest Hygiene Level



Heavy Duty 4 Columns Lifting Mechanism

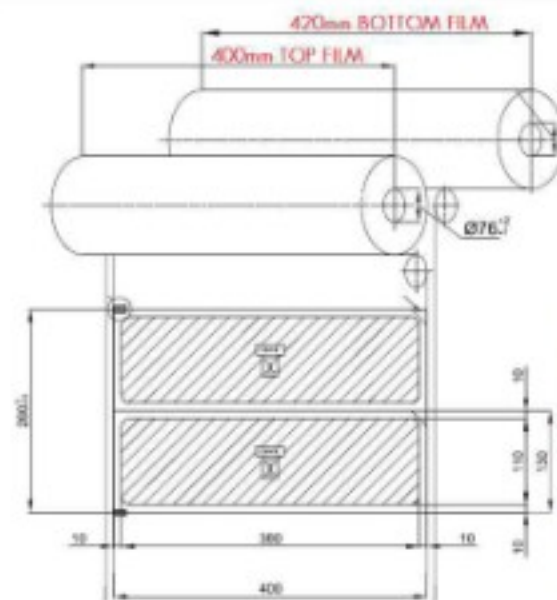


Top Quality Forming Technology



Top & Bottom Reel Holders

Cutting Stations



Savingson Packing Material



# Thermoforming FFS line mod THERA 100

- Perfect solution to fit into narrow areas
- Available for all packaging technologies: VACUUM, MAP and SKIN.





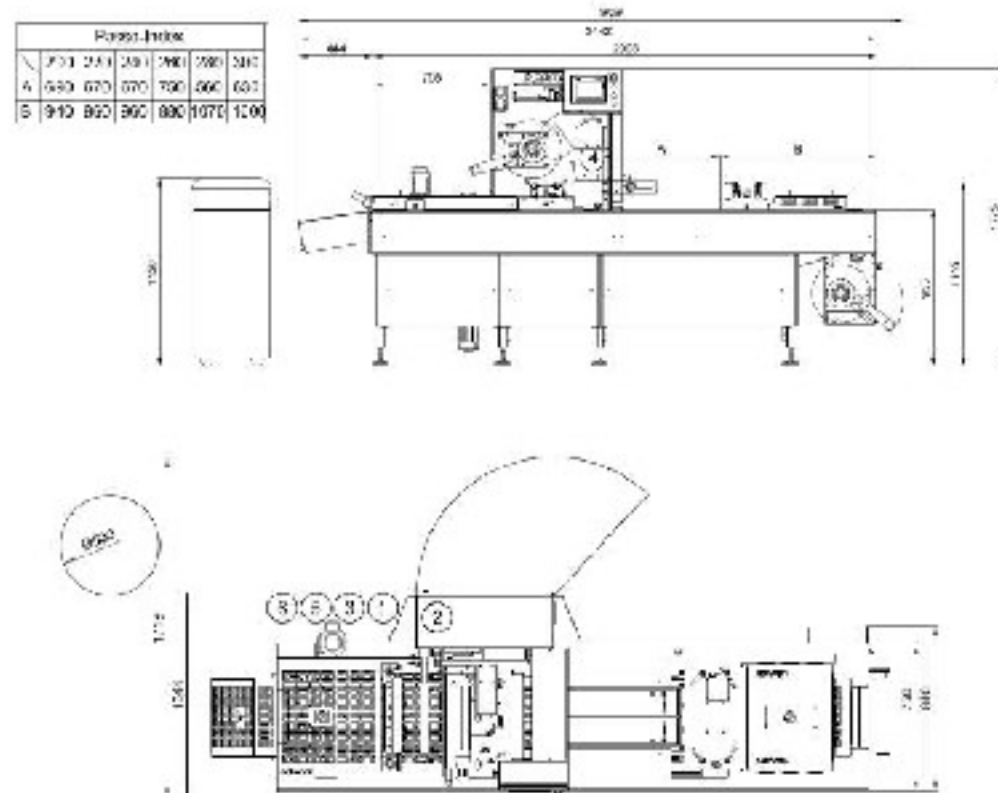
# THERA 100



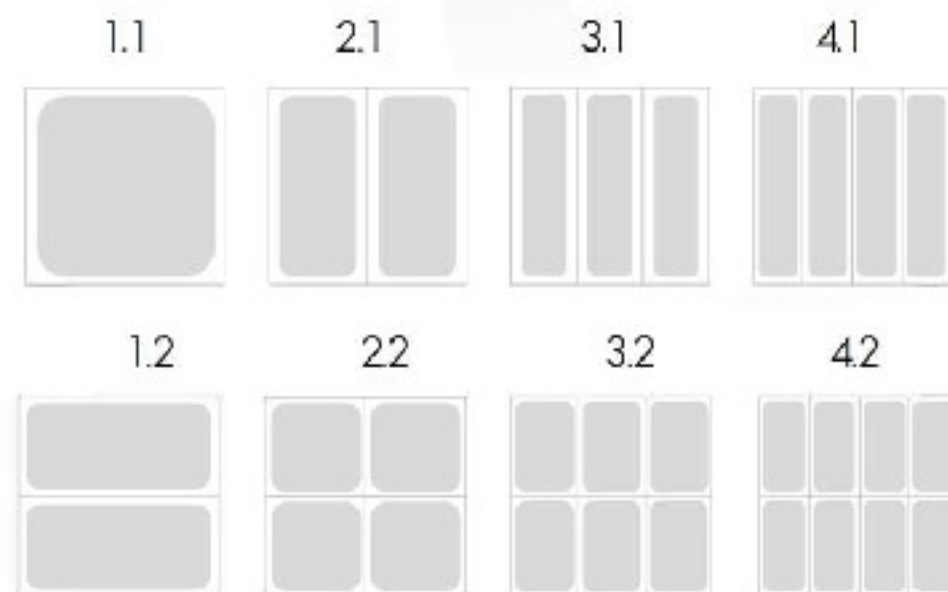
|  |  |
|--|--|
| ▪ Top film width   | 300 or 400mm   |
| ▪ Bottom film width  | 320 or 420mm   |
| ▪ Index  | 200-220-240-260-280-300  |
| ▪ Flexible film  | Min film thickness 80μ   |
| ▪ Rigid film   | Max film thickness 400μ  |
| ▪ Pack depth   | Max 100 mm   |
| ▪ Production capacity                                      | Up to 6 cycles/min (die conf. 1.1 - 2.1 - 3.1 - 4.1)<br>Up to 3/4 cycles/min (die conf. 1.2 - 2.2 - 3.2 - 4.2) |
| ▪ Only nr. 1 cross cutting available (half-index function) |  |
| ▪ SKIN only on 1.1 - 2.1 - 3.1 - 4.1                       |  |



## MACHINE OVERALL DIMENSIONS



## TOOL CONFIGURATION available



# Thermoforming FFS line mod THERA 250

- Reduced dimensions with a considerable loading area
- It is available in different packaging technologies in 12 different pack die configurations





# THERA 250



TOP SEAL



VACUUM



MAP



SKIN TECHNOLOGY

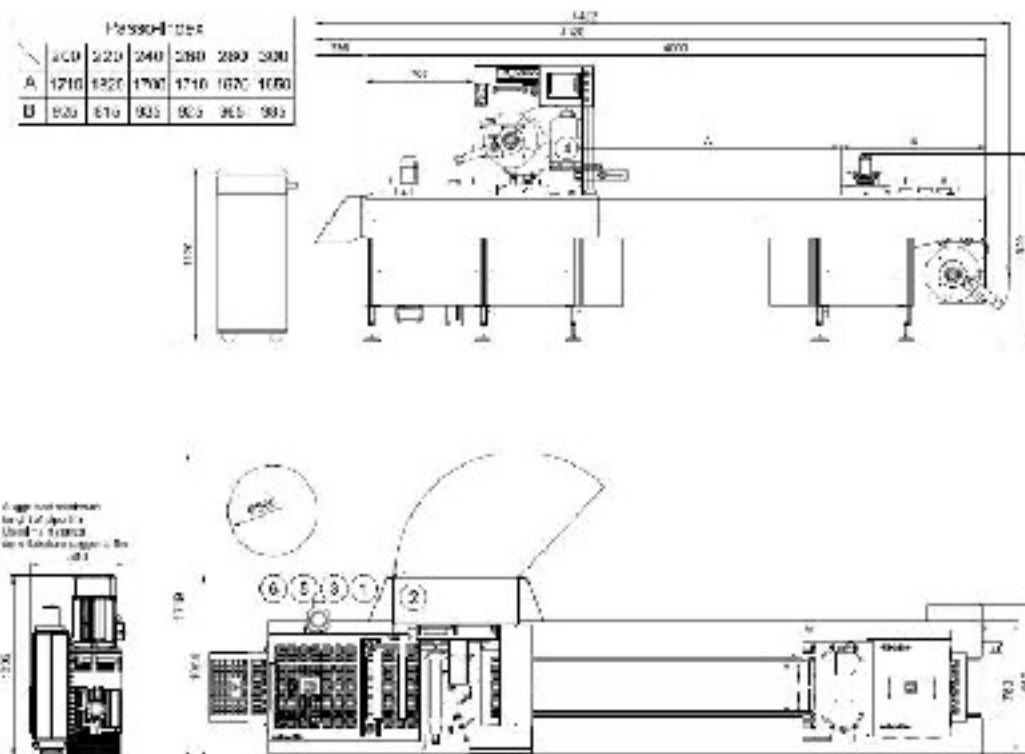


EASY PEEL

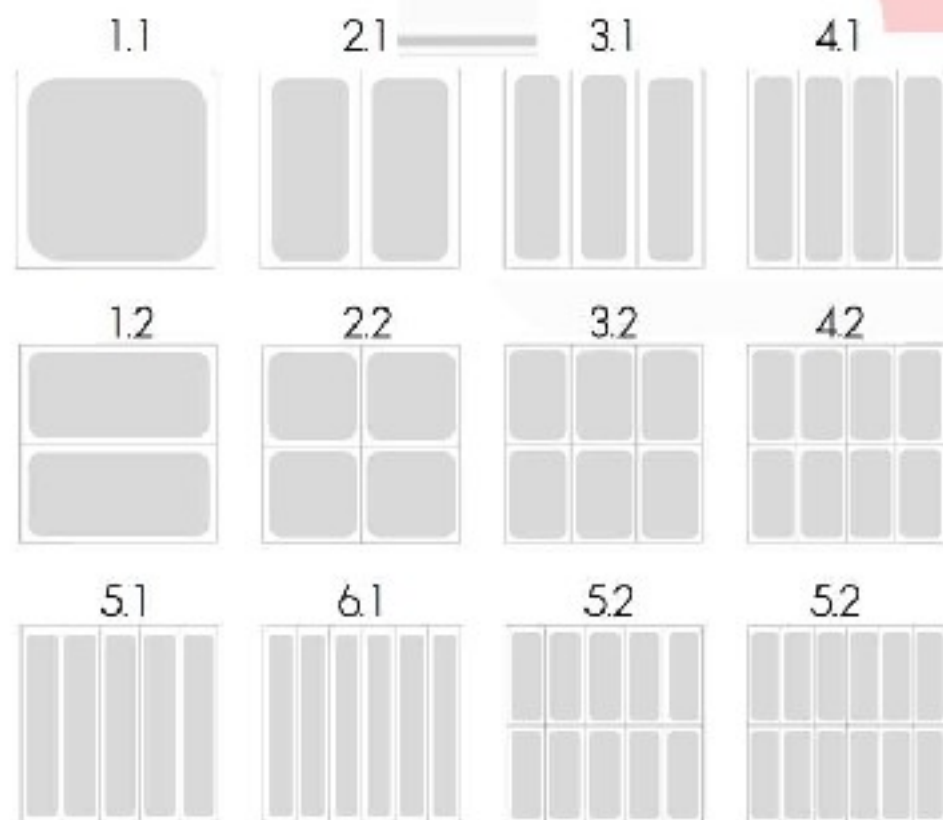


- |   |                                 |
|---|---------------------------------|
| ■ Top film width                                  | 300 or 400mm                    |
| ■ Bottom film width                               | 320 or 420mm                    |
| ■ Index   | 120-180-200-220-240-260-280-300 |
| ■ Flexible film                                   | Min film thickness 80μ          |
| ■ Rigid film                                      | Max film thickness 400μ         |
| ■ Pack depth                                      | Max 100mm                       |
| ■ Production capacity                             | Up to 6 cycles/min              |
| ■ Nr.2 cross cutting available                    |                                 |
| ■ Preheating and plugs available (for rigid film) |                                 |
| ■ SKIN only on 1.1 - 2.1 - 3.1 - 4.1              |                                 |

## THERA 250 OVERALL DIMENSIONS



## TOOL CONFIGURATIONS available



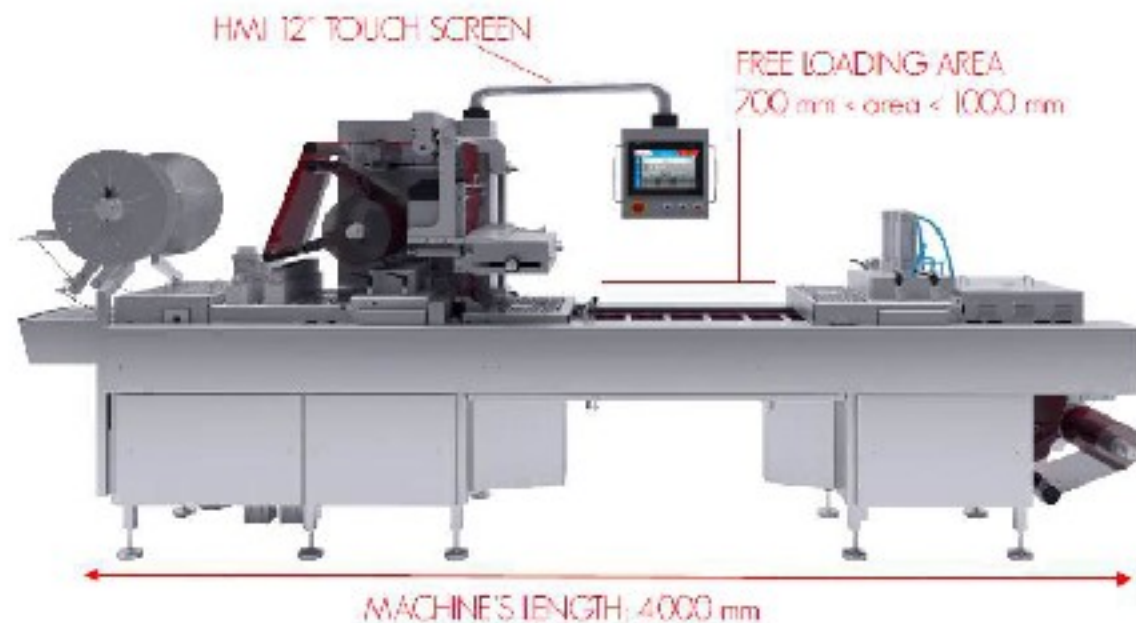
# Thermoforming FFS line mod THERA 450

- Compact & solid frame, allows its easy placement into reduced areas
- It grants **high Colimatic technology**, at the service of **medium** production needs





# THERA 450



- |   |                         |
|---|-------------------------|
| ▪ Top film width  | From 300 to 400mm       |
| ▪ Bottom film width   | From 320 to 420mm       |
| ▪ Index   | 100 < Index < 300 mm    |
| ▪ Flexible film   | Min film thickness 80µ  |
| ▪ Rigid film  | Max film thickness 800µ |
| ▪ Production capacity   | Up to 20 cycles/min     |
| ▪ Nr.2 cross cutting available                                |                         |
| ▪ Preheating and plugs available (for rigid film)             |                         |
| ▪ <b>Hinged chambers</b> for fastest die configuration change |                         |
| ▪ CUSTOM DIE CONFIGURATION AVAILABLE                          |                         |

TOP SEAL



VACUUM



MAP



SKIN  
TECHNOLOGY



SHRINK



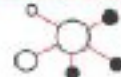
EASY PEEL



GAS FLUSH



DATA  
MANAGEMENT



# Thermoforming FFS line mod THERA 500



- Longer frame but compact
- It grants **high Colimatic technology**, at the service of **medium** to **high** production needs with an extended loading area for automatic product positioning

# THERA 500



- |   |                         |
|---|-------------------------|
| ▪ Top film width  | From 300 to 400mm       |
| ▪ Bottom film width   | From 320 to 420mm       |
| ▪ Index   | 100 < Index < 400 mm    |
| ▪ Flexible film   | Min film thickness 80μ  |
| ▪ Rigid film  | Max film thickness 800μ |
| ▪ Production capacity   | Up to 20 cycles/min     |
| ▪ Up to n,3 cross cuttings / Integral cutting available                           |                         |
| ▪ Preheating and plugs available (for rigid film)                                 |                         |
| ▪ <b>Hinged chambers</b> for fastest die configuration change                     |                         |
| ▪ Module for inline INTEGRATION with labeler, ink-jet printer or integral cutting |                         |
| ▪ CUSTOM DIE CONFIGURATION AVAILABLE  |                         |

TOP SEAL



VACUUM



MAP



SKIN TECHNOLOGY



SKIN PROTRUDING



SHRINK



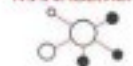
EASY PEEL



GAS FLUSH



DATA MANAGEMENT



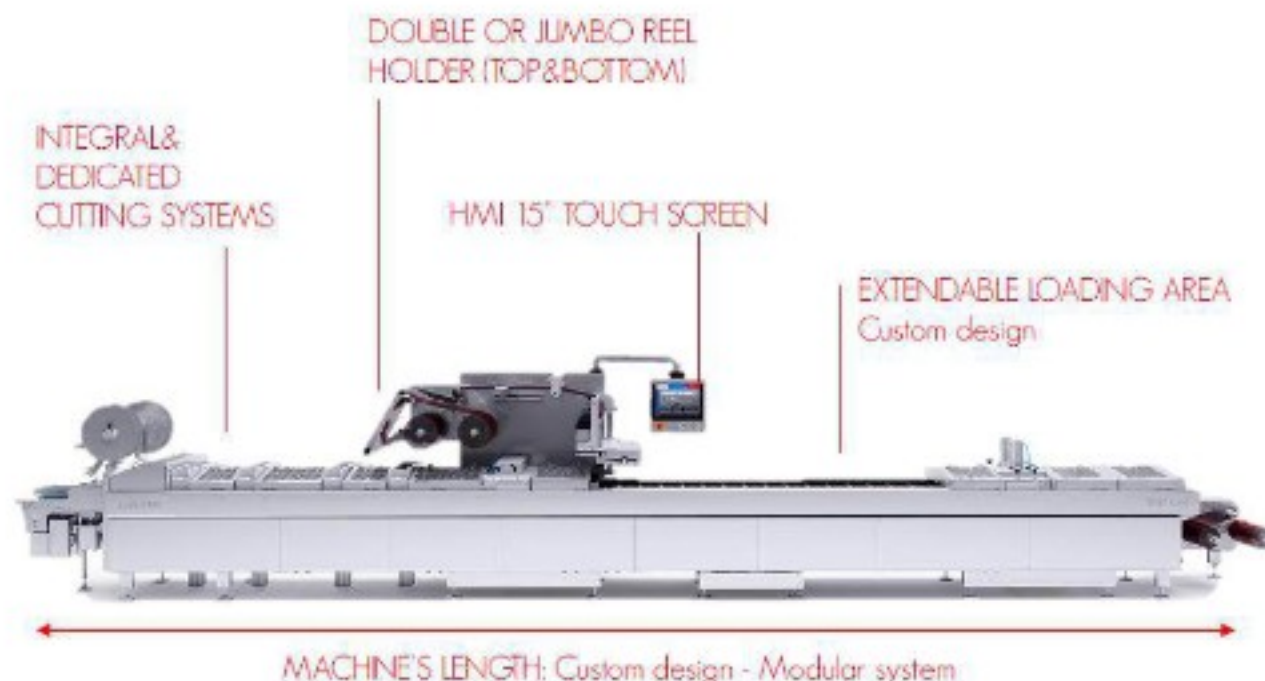


# Thermoforming FFS line mod THERA 650



- Cutting-edge technology
- Modular frame
- Suitable to any kind of production need, die configuration & speeds; versatile with no limit to customization

# THERA 650



|  |                          |
|--|--------------------------|
| ▪ Top film width                                       | From 280 to 640 mm       |
| ▪ Bottom film width                                    | From 280 to 660mm        |
| ▪ Index  | Custom > 1200 mm         |
| ▪ Flexible film  | Min film thickness 50µ   |
| ▪ Rigid film   | Max film thickness 1200µ |
| ▪ Pack depth   | Max 200mm                |
| ▪ Production capacity                                  | Up to 30 cycles/min      |
| ▪ Customized cross cuttings configuration              |                          |
| ▪ Preheating and plugs available (for rigid film)      |                          |
| ▪ Hinged chambers for fastest die configuration change |                          |
| ▪ 100 % CUSTOM DESIGN                                  |                          |



# COLIMATIC GREAT ADDED VALUE

## LISA® Line Integrated System Assistant

LISA is an innovative DPM software for the management of lines integrated in the production flow.

Its functions allow to maintain the efficiency of the lines at the maximum level.

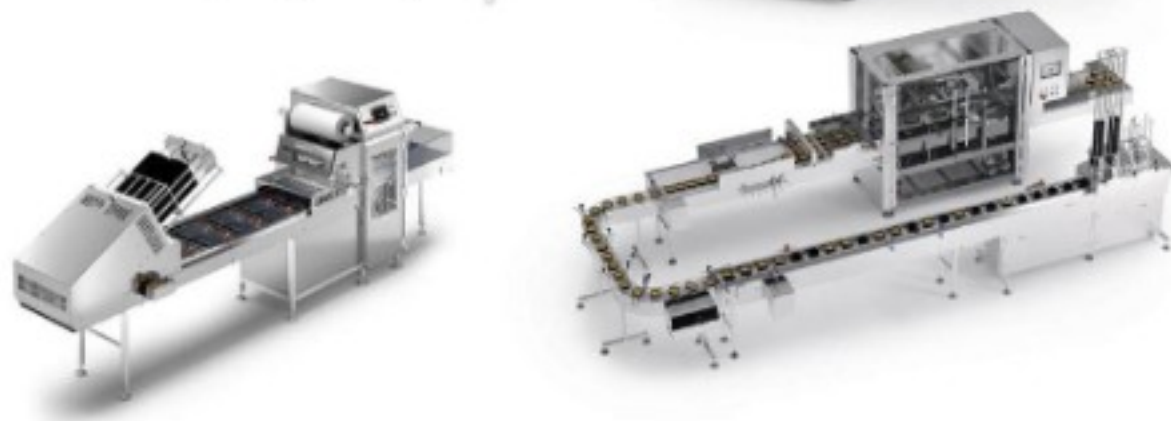
- Work Order acquisition and related process parameters setup (ASC Automatic Set up Control)
- Machine operating status **continuous monitoring** (DPM Data Process Management)
- Timely **preventive** maintenance (PRD Predictive Diagnosis)
- Remote assistance (TLS Teleservice)
- Video tutorial, Software updates ; INC Integrated Connectivity
- Spare parts warehouse management (WSM Warehouse Spare parts Management)





# Italian Pack

Packaging Machines Since 1988



## TECHNOLOGIES - TOP SEAL

### TOP SEAL (Sealing only)



Flat Sealing



## TECHNOLOGIES - MAP

### MAP (Modified Atmosphere)



VAC/GAS (Vacuum and Gas)



GAS FLUSH (Gas only)



## TECHNOLOGIES - VAC

### VAC (Vacuum only)



VAC



SKIN





## TECHNOLOGIES - SKIN

### SKIN (Vacuum/Air removal)



Skin (inside the tray)

Skin Protruding (above the tray/flat paperboard)



SOME SKIN



SOME SKIN



## MANUAL MACHINE



**POSEIDON**



**POSEIDON JOLLY MINI**



**POSEIDON GASTRONORME**



## MANUAL MACHINE



OCEANIA MINI



OCEANIA

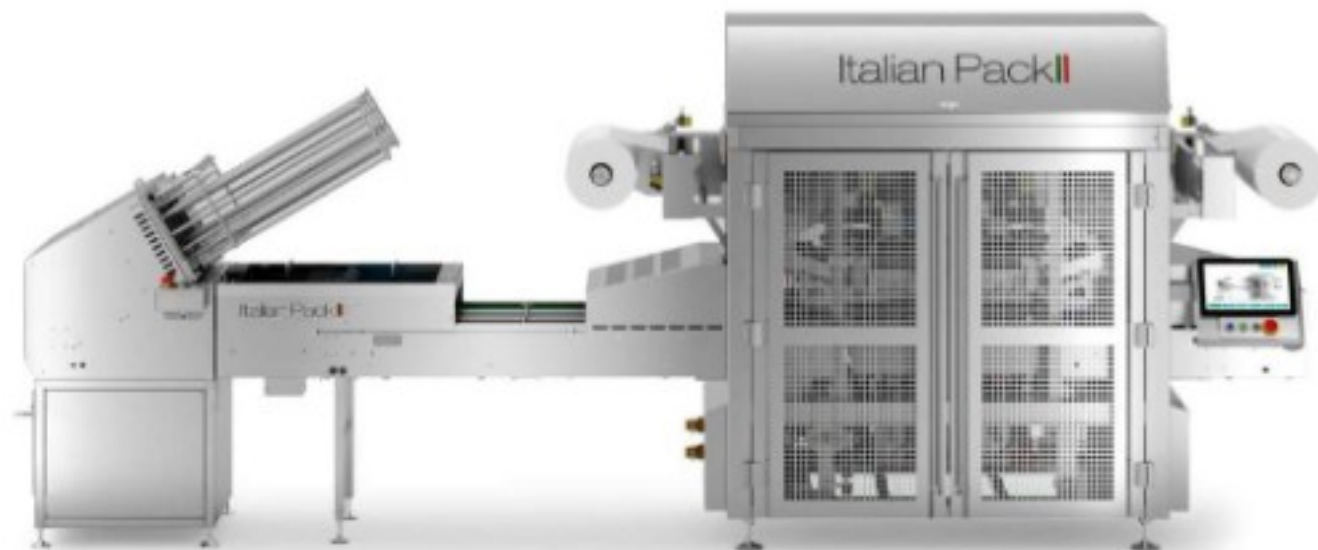


OLYMPUS

## AUTOMATIC MACHINE



**PERSEUS**



**POLARIS**

# PERSEUS



## FEATURES

- Automatic film rewinding
- Touch Screen and PLC
- Antisloashing chain system
- Quick tool change
- Film pre-heating station for Skin

## OPTIONS

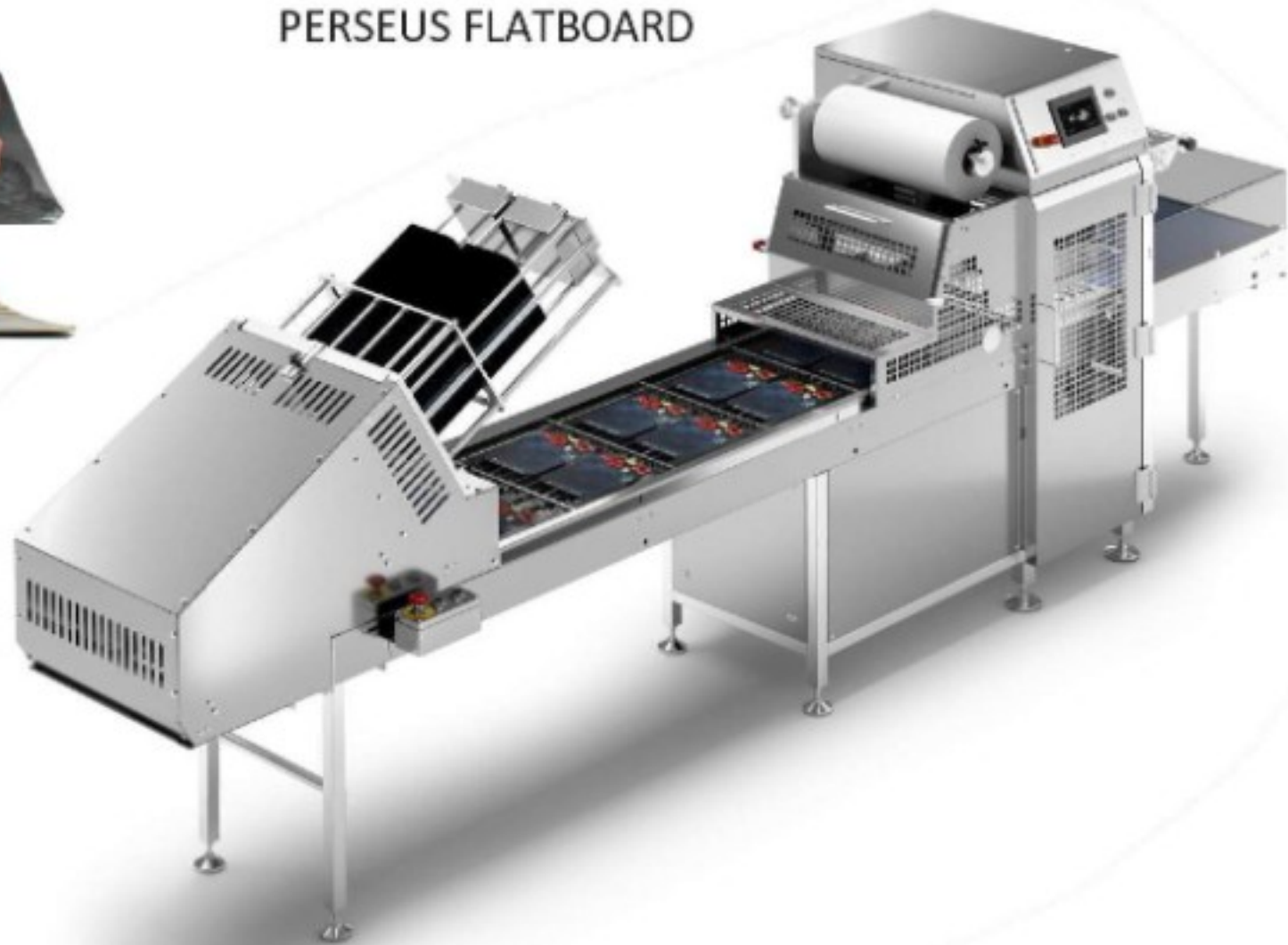
- Printed film
- Expanding shafts
- Brushless motors for film managing
- Filters for liquid and powder
- Film printer
- Trays denester
- Customizable conveyors
- Trays aligner in exit
- Wagon for tool change
- Integration with dosing units



### WAGON FOR MOLDS

Can stock up to 4 molds  
Can stock up to 8 tray-holders  
Can be with mold pre-heating system

## PERSEUS FLATBOARD

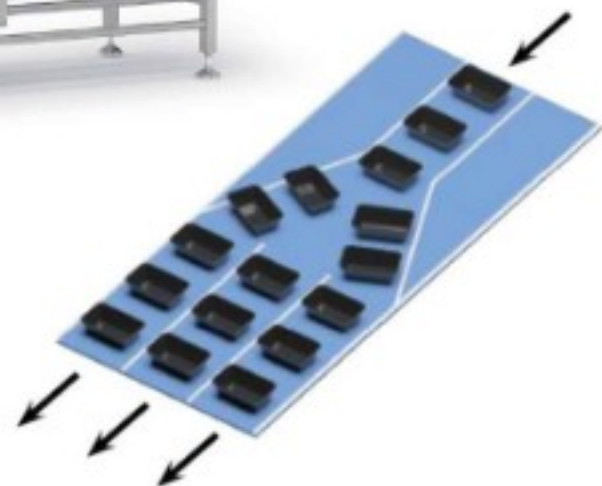




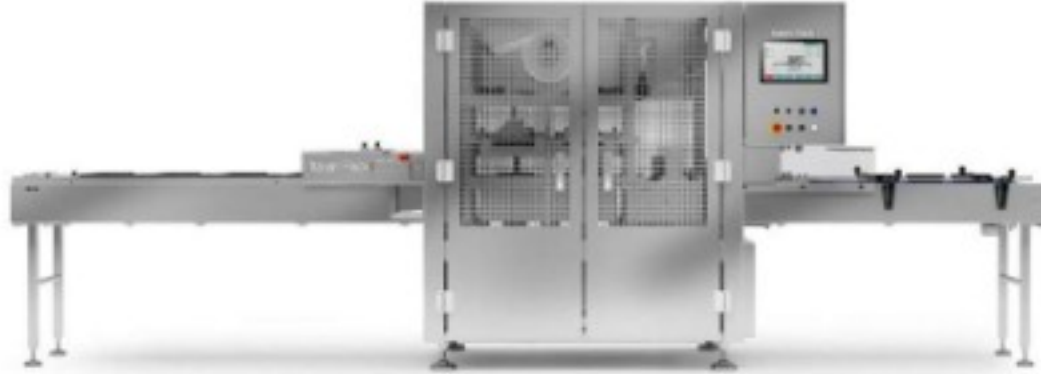
## PERSEUS WITH DENESTER AND DOSING UNIT



PERSEUS WITH INFEED INLINER  
from single to multiple lines



# POLARIS



## FEATURES

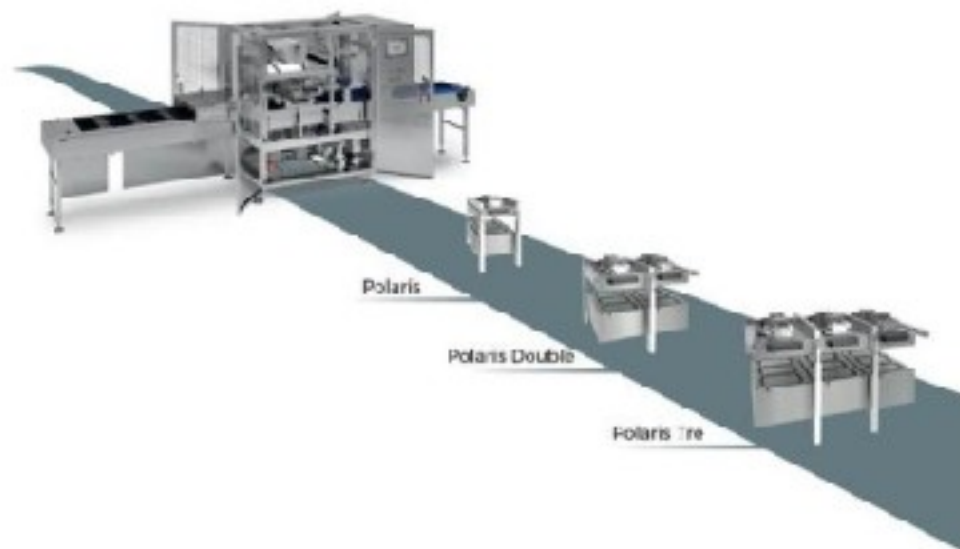
- Automatic film rewinding
- Touch Screen and PLC
- Antisloashing chain system
- Quick tool change
- Film pre-heating station for Skin
- SINGLE, DOUBLE or TRIPLE tool

## OPTIONS

- Printed film
- Expanding shafts
- Brushless motors for film managing
- Filters for liquid and powder
- Film printer
- Trays denester
- Customizable conveyors
- Trays aligner in exit
- Wagon for tool change
- Integration with dosing units



# POLARIS



**Polaris single: 1 tool**

**Polaris Double: 2 tools** – separated vacuum circuits, independent tools

**Polaris Twin: 2 tools** – separated vacuum circuits, independent tools, one film reel for each tool

**Polaris 3: 3 tools** – separated vacuum circuits, independent tools



# POLARIS

ONE TOOL – 7 TECHNOLOGIES



PACK  
MAP  
VAC  
GAS FLUSH  
(STRETCH)

SKIN  
(STRETCH)

SKIN FLATBOARD



## WAGON FOR MOLDS

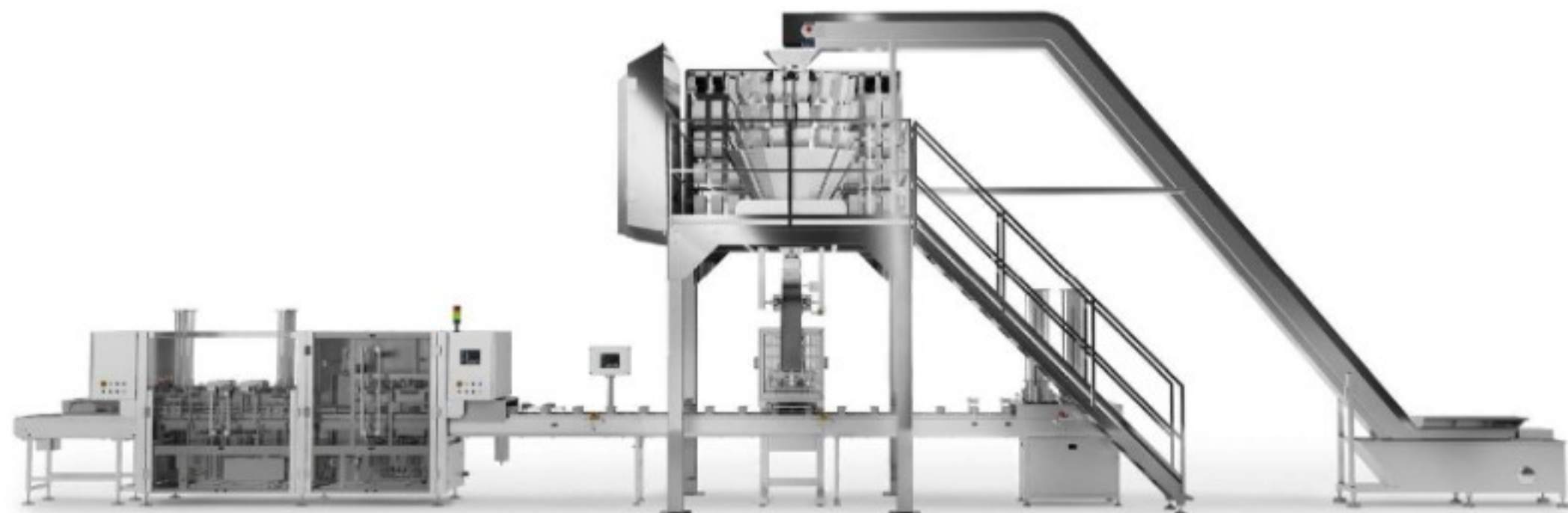
Can stock up to 4 molds

Can stock up to 8 tray-holders

Can be with mold pre-heating system

---

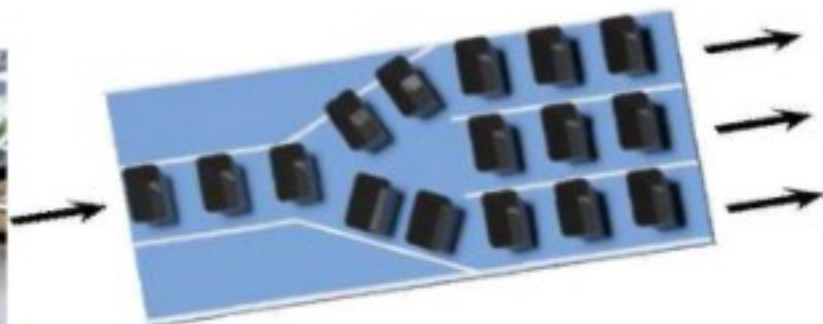
## POLARIS LID APPLIER (FETA)



## POLARIS LID APPLIER (YOGURT)



## POLARIS FRUIT&VEGETABLES



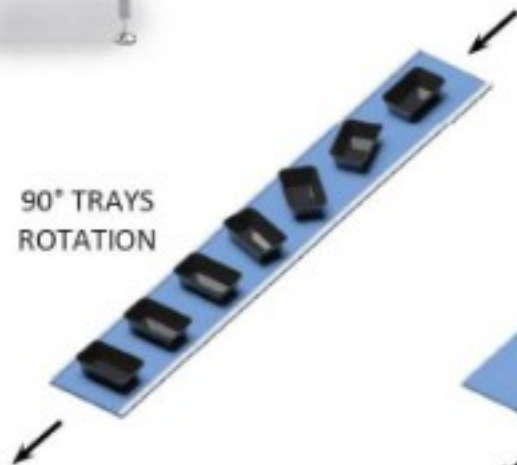


## Inline Accessories

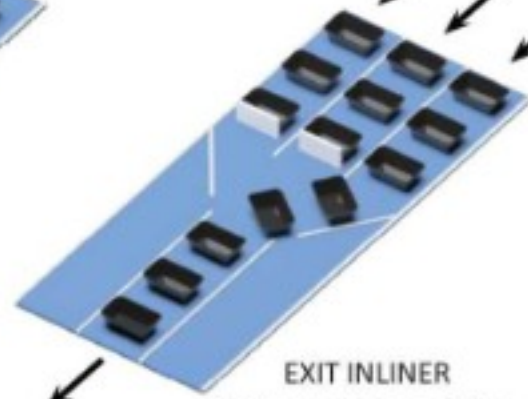
### CONVEYORS



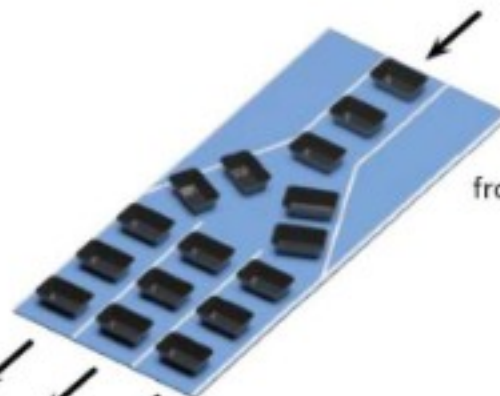
90° TRAYS  
ROTATION



EXIT INLINER  
from multiple to 1 line



INFEEED INLINER  
from 1 to multiple lines



90° CURVE



## Inline Accessories



**Stand alone DENESTER**



**Stand alone LID APPLIER**



# PACKAGING LINES FOR DENSE PRODUCTS

ketchup, mayonnaise, sauces, jams & creams





# PACKAGING LINES FOR LIQUID PRODUCTS

fruit juices, dairy products





DEPALLETISERS



CLEANING OF EMPTY CONTAINERS



FILLING



CAPPING



VACUUM  
DETECTOR



PALLETISERS



DRYING UNITS



PASTEURISERS



CLEANING OF FULL CONTAINERS

## PRODUCT RANGE: DRY AREA



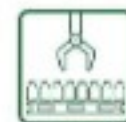
### DEPALLETISERS

Semi-automatic and automatic depalletisers for cans, jars, bottles in bulk with sweep-off system or magnetic head.





# HANDLING SYSTEMS



**UNI701** 1 layer/minute  
Semiautomatic machine with  
sweep-off system and low-level  
discharge



**UNI700** 2 layers/minute  
Automatic machine with  
sweep-off system and low-level  
discharge



**UNI550** 4 layers/minute  
Automatic machine with sweep-off  
system and high-level discharge



# HANDLING SYSTEMS



## PALLETISERS

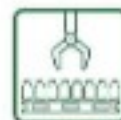
Semi-automatic and automatic palletisers for cases, packs, empty and full cans, full jars and bottles.



# HANDLING SYSTEMS

## PALLETISERS

Semi-automatic and automatic palletisers for cartons, packs, empty and full cans, full jars and bottles.



**UNI601** 1,5 layers/minute  
Semiautomatic machine  
with low-level infeed



**UNI600** 3 layers/minute  
Automatic machine with  
low-level single infeed



**UNI600DI** 4 layers/minute  
Automatic machine with  
low-level double infeed



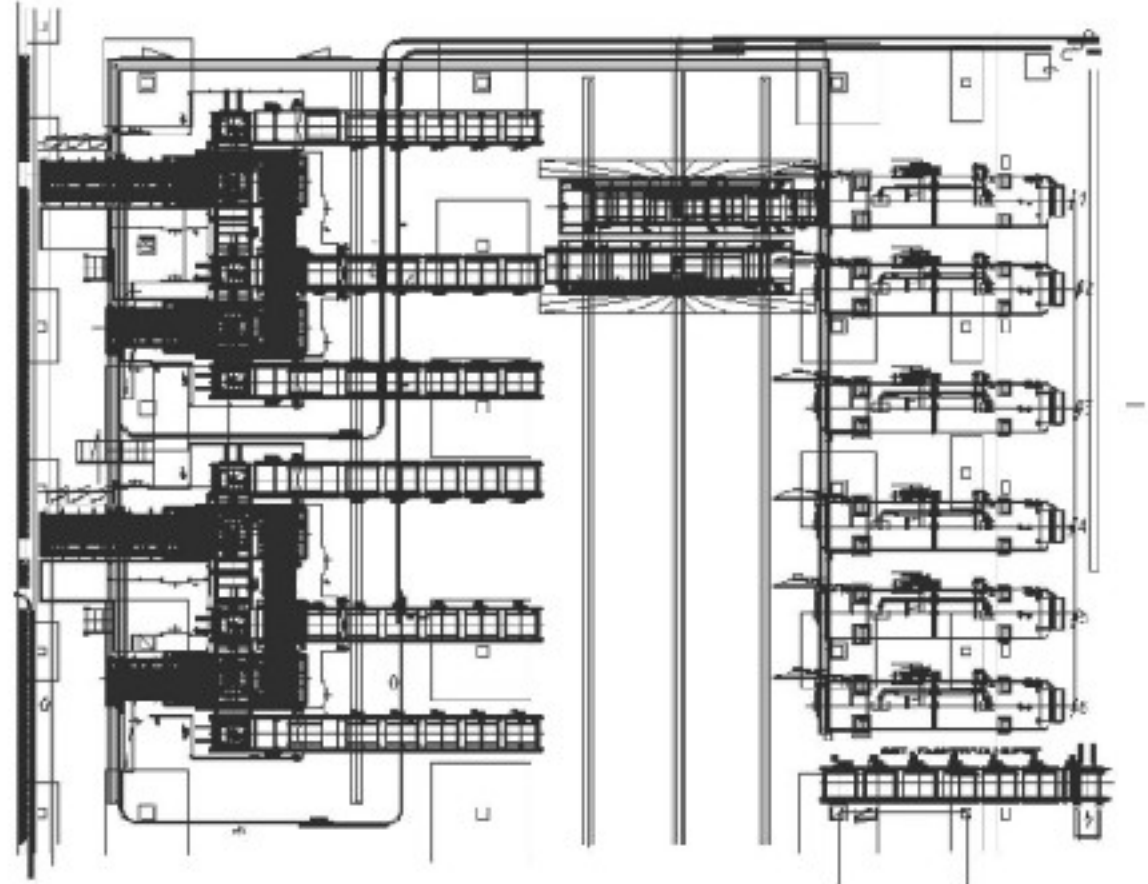
## BASKET LOADING / UNLOADING SYSTEMS FOR STERILIZATION IN AUTOCLAVES



The range extends from semiautomatic systems for low outputs (1 – 1.5 layers/min) to completely automatic systems for high speed requirements (4 layers/min).



The basket loading/unloading equipment can be supplied in free-standing version or integrated into complex, completely automatic systems.



## PRODUCT RANGE: WET AREA



### RINSERS FOR EMPTY CONTAINERS

Suitable for cleaning empty containers (tinplate cans, glass jars, glass bottles, plastic containers)

Different treatments available (air – steam – water)

Full accessibility to the machine

Easy maintenance



**GG75** | 12.000/h



**GG76** | 24.000/h



## FILLING



### PRODUCTS FILLED BY OUR MACHINES

Tomato sauce and tomato paste

Sauces with meat or vegetables

Various kinds of sauces

Mayonnaise, ketchup, dressing

Jam, jellies

Fruit juices and nectars

Spreadable creams

Honey, yogurt

Baby food



# FILLING



## **Linear piston fillers**

Linear machines with 2 to 6 filling pistons



## **Rotary piston fillers**

Rotary machines with 8 to 36 filling pistons



## **Linear flowmetric fillers**

Linear fillers with 4 to 8 magnetic or mass flowmetres



## **Rotary vacuum fillers**

Rotary machines with 4 to 16 filling heads

# FILLING



## **Linear piston fillers**

Linear machines with 2 to 6 filling pistons



## **Rotary piston fillers**

Rotary machines with 8 to 36 filling pistons



## **Linear flowmetric fillers**

Linear fillers with 4 to 8 magnetic or mass flowmetres



## **Rotary vacuum fillers**

Rotary machines with 4 to 16 filling heads



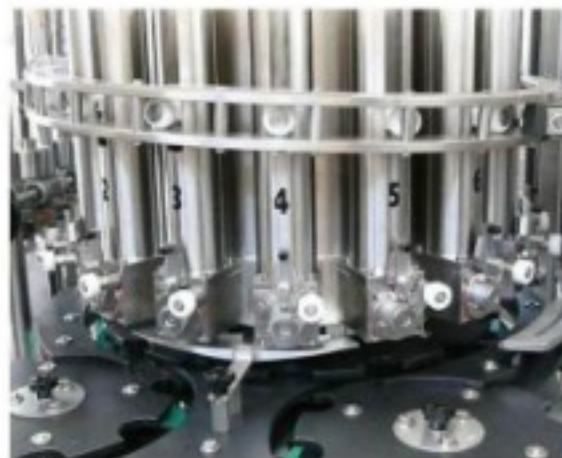
## ROTARY PISTON FILLERS

For dense and semidense products like: jam, tomato paste, ketchup, sauces, baby food, pâté, honey.

- Easy cleaning and high sanitation level
- Simple use and ergonomic controls
- Bottom filling available for foamy products
- Easily inspectable and user-friendly
- High precision and flexibility



## FILLING





### LINEAR VOLUMETRIC PISTON FILLERS

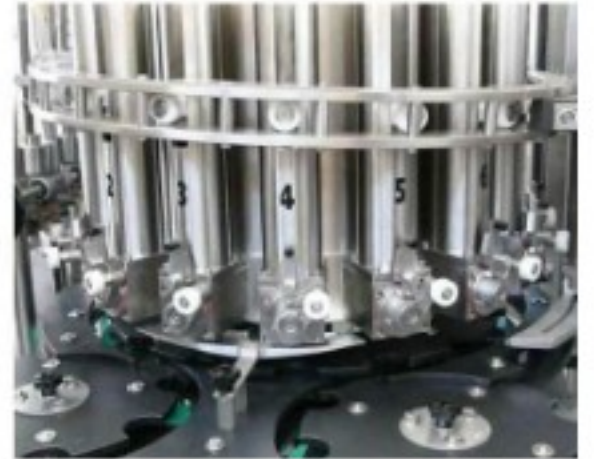
- Available models from 2 to 6 pistons
- Max speed: 7700 cph with 300 g jars and homogeneous product (tomato paste) and 6 pistons
- Electronic filling control
- Different formats, from single-serve containers up to 5 kg, glass, plastic or metal containers.



## ROTARY PISTON FILLERS

For dense and semidense products like: jam, tomato paste, ketchup, sauces, baby food, pâté, honey.

- Easy cleaning and high sanitation level
- Simple use and ergonomic controls
- Bottom filling available for foamy products
- Easily inspectable and user-friendly
- High precision and flexibility



FILLING



## FILLING

### VACUUM FILLERS

For oil, brine and similar products into jars and cans containing solid products.





## FILLING



### FLOWMETRIC FILLERS

- Suitable for filling homogeneous liquids
- High sanitation
- Easy format change-over to handle different containers
- High filling accuracy





## CAPPING



### LINEAR CAPPING MACHINES

Linear capping machine for Twist-off caps:

Regular, medium, deep, twist-off, Pry-twist, Pry-off, between  $\varnothing 27 \div 110\text{mm}$  and H  $5 \div 19\text{mm}$  and containers  $\varnothing 30 \div 160\text{mm}/\text{H } 50 \div 260\text{mm}$



Regular twist off  
 $\varnothing 27 \div 110$  caps  
External  $\varnothing 30.60$  to  $113.20$  mm  
Height  $9.60$  to  $16$  mm



Medium twist off  
 $\varnothing 30 \div 38$  caps  
External  $\varnothing 33.45$  to  $42$  mm  
Height  $12.20$  to  $12.70$  mm



Deep Twist-Off  
 $\varnothing 38 \div 82$  caps  
External  $\varnothing 42$  to  $85.15$  mm  
Height  $15$  to  $18$  mm



PT caps (push-Twist)



Pry-Off

# CAPPING



## LINEAR CAPPING MACHINES

- Capping operation executed in a saturated steam chamber with high vacuum in the container
- Constant vacuum value
- Easy format change-over adjustments, no use of special change parts, even with the machine in operation
- Constant screwing strength in any working conditions
- Quick format change-over operations
- High resistance to corrosion
- Easy cleaning and maintenance



GG100+GG700  
12.000 CPH



GG100+GG850  
12000 CPH



GG250  
30.000 CPH



GG900



GG850



GG400  
48.000 CPH



GG900

## CONTROL



### VACUUM DETECTOR | GG670

Measuring system with detection effected without contact between sensor and cap. It detects the vacuum presence and/or the lack of cap on the filled jars.

- Container presence detected by an on/off photoelectric sensor
- Distance read by an analogic distance sensor
- Containers ejected if lacking vacuum/pressure or for reduced vacuum value, planarity error, cap missing.
- The faulty containers are ejected after a definite time or after covering a definite distance
- Self-learning and storage of 64 different products
- Forced ejection and general validation can be effected by pushbuttons
- The Detector can be used on lines at modulated speeds





## CLEANING



### WASHING & DRYING UNITS for full containers



**TUN** | 6.000/h

Washing tunnel for full containers  
before they enter the pasteuriser



**GG16** | 12.000/h

Washing machine for cans, plastic  
containers, glass bottles and jars.



**UG06** | 28.000/h

Tunnel for fine draining to dry the  
containers before final packaging.



# PASTEURIZATION



## PASTEURIZING AND COOLING TUNNELS

- Simple and reliable machines
- Made of stainless steel and special anti-wear materials
- The treatment times and thermal cycles can be personalized
- Reduced consumptions (electricity, water, steam, air)



# BMB

**Reliable and safe**, the **TSC series** machines are fully automatic in-line tray sealers for **packaging trays**, with speed and precision, in sealing only or partial vacuum, full vacuum, modified atmosphere or skin packaging. The construction technology allows the installation of different tools to pack of different trays, with easy and fast mould changes without the use of tools.

## Standard:

- AISI304 stainless steel construction with hygienic design.
- Absolute vacuum sensor.
- Tray presence detector.
- Pack up to 5 trays per cycle.
- Interchangeable die-set with contour-cutting and easy-peel.
- Automatic film rewinder for scrap collection.
- 7" color touch display.
- HMI with 99 work recipes.

## Optional:

- Ethernet connection for remote control.
- Automatic tray destacker.
- Tray detector with single cavity control.
- Automatic dosing unit for tray filling.
- Photocell for printed film.
- Buffer tank for gas.
- Hot printer or thermal transfer.
- Automatic tray aligner.
- Weighing and labeling systems.



TSC 175

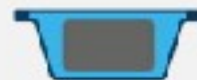


TSC 70



TSC XXL

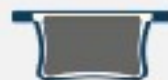
## Packaging Solutions



Hermetic Sealing



Partial vacuum



Total Vacuum

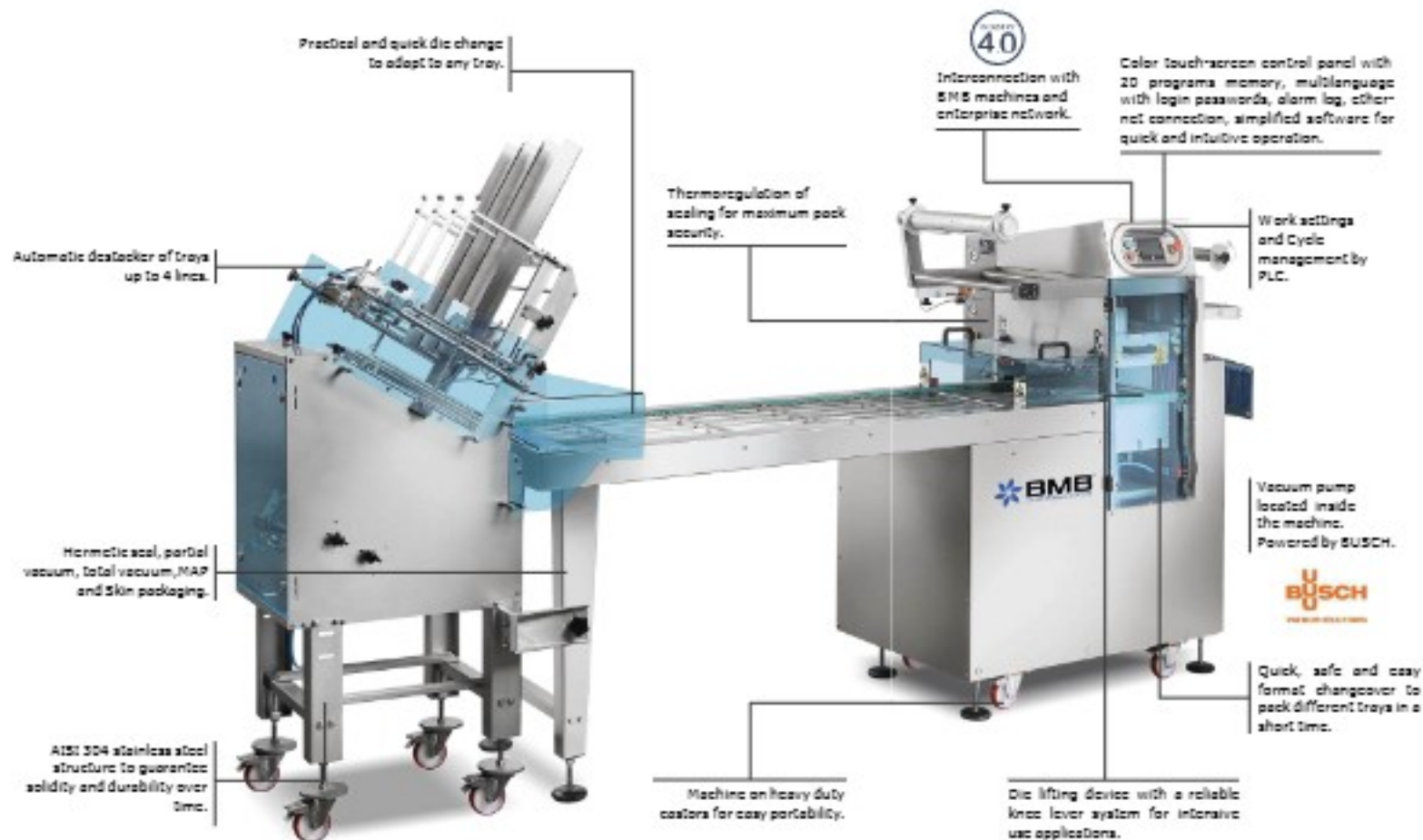


Skin Packaging



Modified Atmosphere (MAP)

# Automatic tray sealers





# Automatic tray sealers

Product packaging examples:





# Chamber Belt Vacuum machines.

## Conveyor Pro Series

Wash-down hygienic design, IP67, AISI304 stainless steel construction with easily removable belt and scaling bars.

Useful chamber dimensions (WxDxH)  
CP1065: 1100 x 840 x H250mm  
CP1085: 1100 x 1040 x H250mm  
CP1365: 1400 x 840 x H250mm  
CP1385: 1400 x 1040 x H250mm  
Optional with high lid H310mm

Simple operation thanks to the 7" color touch display with 99 customizable programs.  
Production data control via Ethernet and USB.

Interconnection with SMS machines and enterprise network.



Variable speed with Soft Start & Stop technology.  
Quick belt release system for easy cleaning.  
Anti-rolling slot conveyor belt for round products.

On request the machine is equipped with mechanical blades for the automatic cut-off and trim removal system.

Connection for vacuum pump (up to 800 m³/h) and additional booster.  
Soundproof cabinet on request.

Stages of the packaging process:



Packaging solutions:



Vacuum bag



Shrink bag

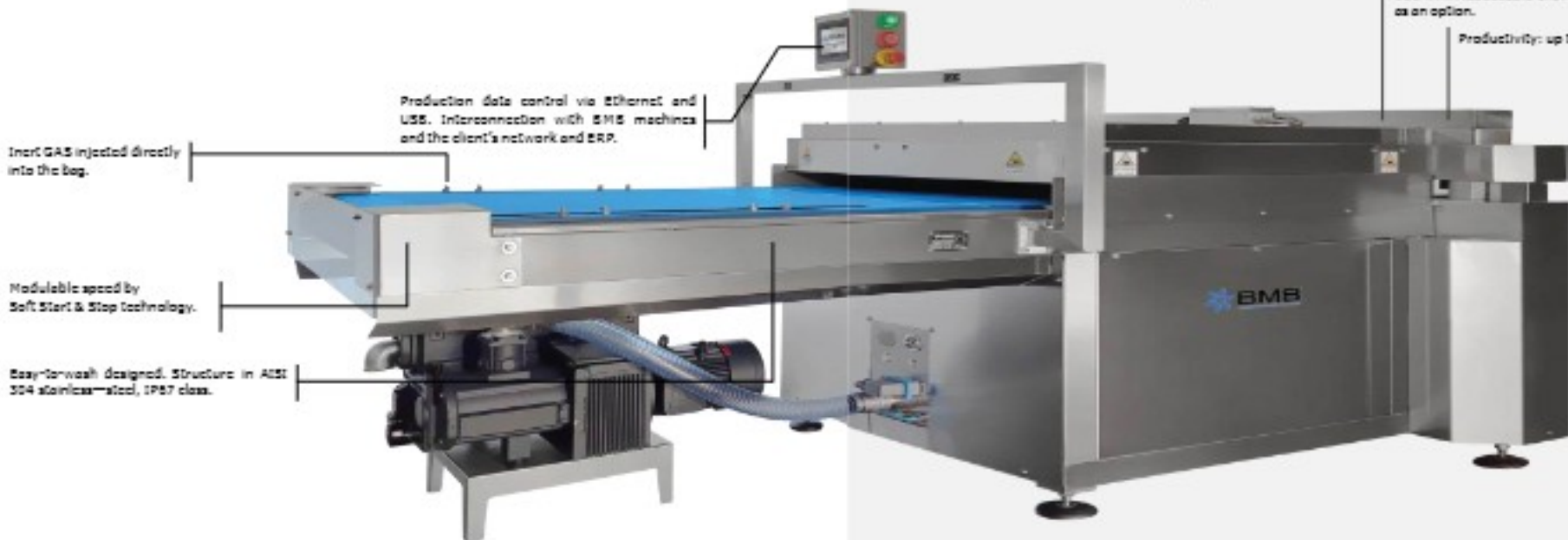
## Chamber Belt Vacuum machines.

### *Hyper Conveyor*

The Hyper Conveyor chamber belt machines are "large format" machines, fast and versatile, ideally suited to automated packing of large batches in film pouches. Designed for durability, Hyper Conveyor machines are equally impressive in their high level of production output and pack quality - even when being used under maximum load in non-stop mode.



# Automatic Chamber Belt Vacuum Machines with MAP Conveyor MAP *One-of-a-kind*



Inert GAS injected directly into the bag.

Modulable speed by Soft Start & Stop technology.

Easy-to-wash designed. Structure in AISI 304 stainless-steel, IP67 class.

Production data control via Ethernet and USB. Interconnection with BMB machines and the client's network and ERP.

Intuitive user interface with 7,2" touchscreen Display. Up to 99 programmes. PLC control with multi-user access and personalised digitalisation concepts.

Vacuum chamber usable also up to 1110 x 1010 x H 150 mm. Reducible chamber volume to H 85 mm as an option.

Productivity: up to 3 cycles/min.

## Packaging solutions:



Modified Atmosphere Bag



Vacuum bag



Thermoregulation of the sealing process to prevent the overheating with no use of cooling water.



# Connect with us.

Email

[director@packing-technology.com](mailto:director@packing-technology.com)

Mobile number / whatsapp:

+971 55 154 6650

