



MEAT
PACKAGING

WHO WE ARE

The company, based in northern Italy, commenced manufacturing packaging machines in

1973 ...

almost **50 years** of packaging experience!

This small company expanded in a few years, to become a true leader in the field. Since then, Coligroup has provided more **innovative** and **reliable** solutions year after year in the packaging industry.

www.colimatic.com



46

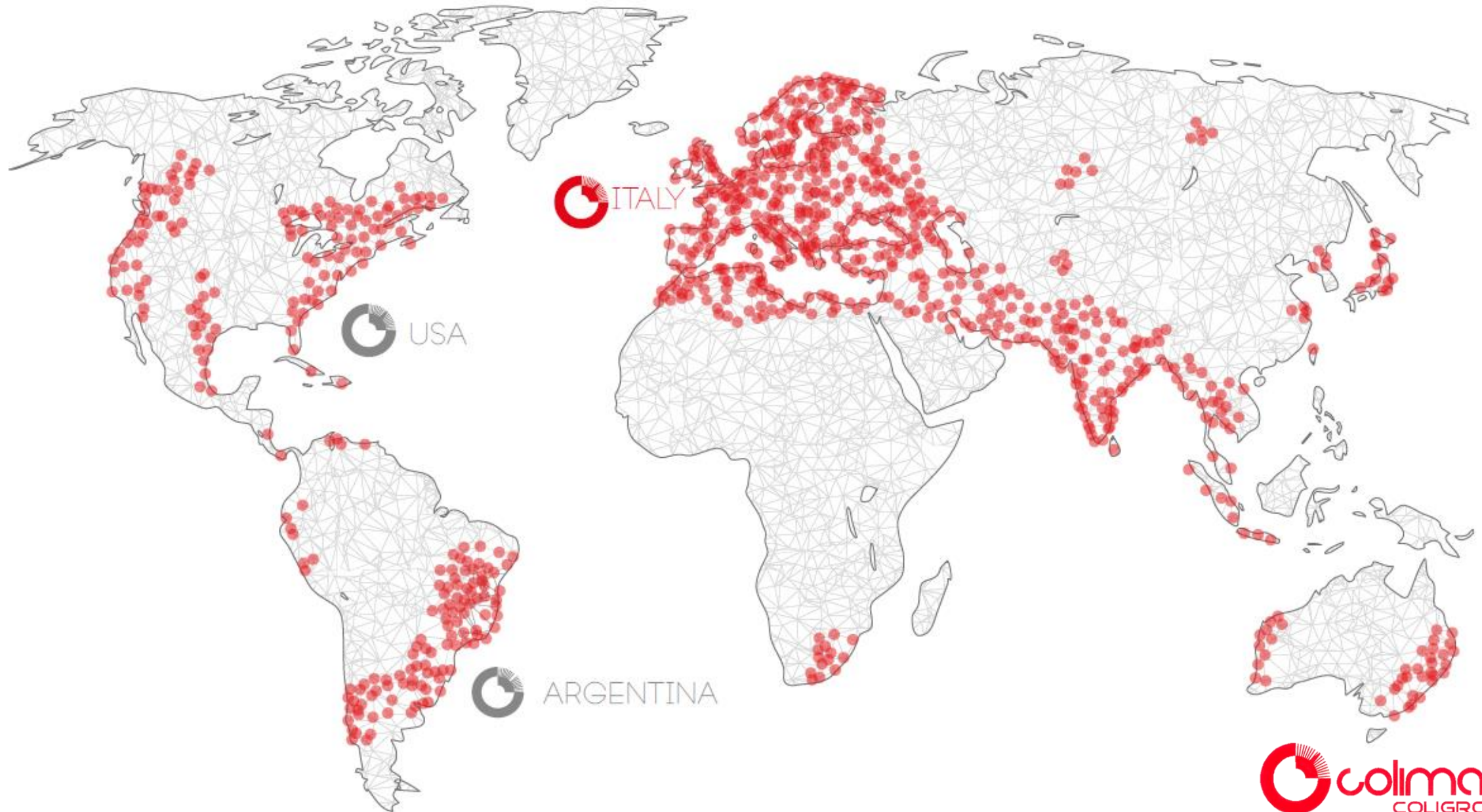
YEARS OF EXPERIENCE

3700+

LINES INSTALLED

62

COUNTRIES WE EXPORT TO



OUR CUSTOMERS

MACHINERY RANGE

- THERMOFORMERS - THERA lines

<https://www.youtube.com/THERA>

- TRAYSEALERS - TDF lines

<https://www.youtube.com/TDF>

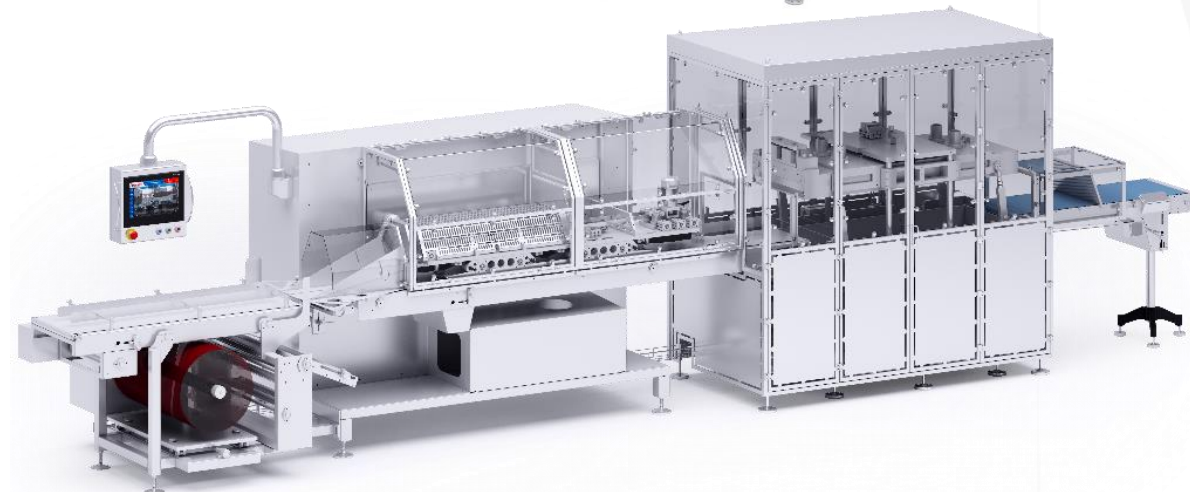
- Flowpack with VACUUM CHAMBER - Mod. OMEGA800

<https://www.youtube.com/OMEGA>

- INTEGRATED LINES

for packaging and preparation of ready meals

<https://vimeo.com/LINEACOMPL>



OUR PACKAGING SOLUTIONS

- VACUUM
- MODIFIED ATMOSPHERE (MAP)
- SKIN PACK
- SHRINK
- COOK-IN



PACKAGING TECHNOLOGIES

- VACUUM



- SKIN PACK



- MAP

MODIFIED ATMOSPHERE



- SHRINK



VACCUM TECHNOLOGY in flexible film

<https://vimeo.com/THERA>



MAXIMUM SHELF-LIFE GUARANTEED - Oxygen residual $< 0,1$

MAP TECHNOLOGY (Modified Atmosphere) in rigid film



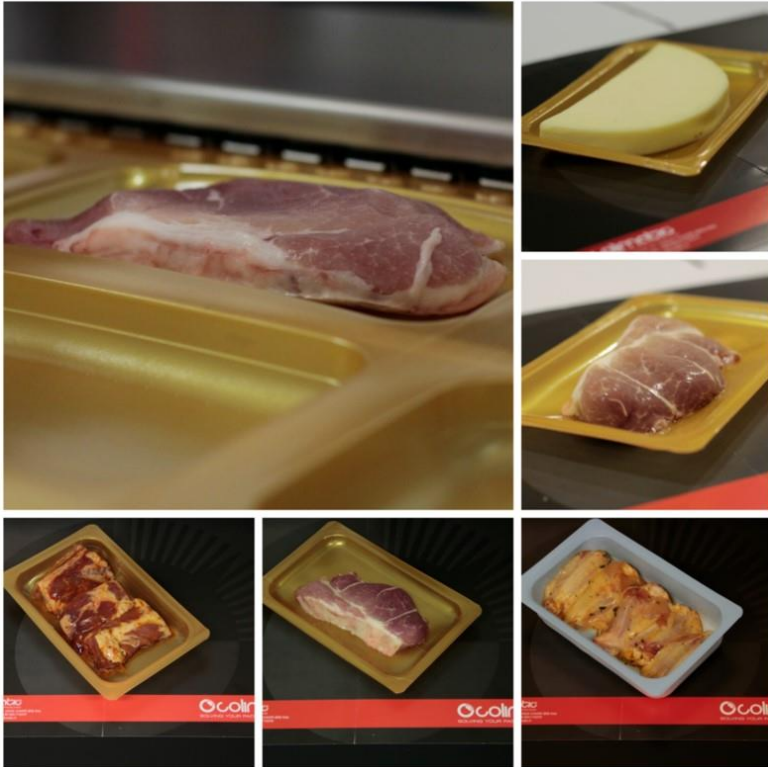
Rigid film up to 1200 my

Oxygen residual < 0,1

Cutting stations: available the best cutting technology on the market (perfect shape, no hanging nails)

SKIN TECHNOLOGY

<https://www.youtube.com/SKIN>



This packaging technology produces a vacuum pack that protects the product and fits around it like a second Skin.

The thermoforming line creates a rigid bottom support to be sealed with top film to produce vacuum pack.

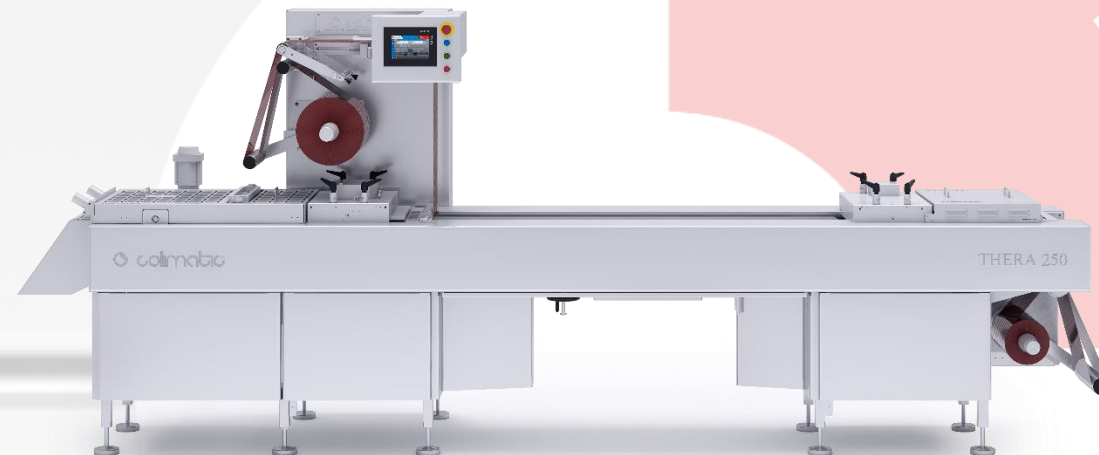
- Attractive pack
- Maximum shelf-life
- Easy peel
- Vertical or space-reducing display
- No liquid leakage
- Specially for fresh meat, processed meat, fish, poultry, ready meals and cheese



SKIN on THERA100 & THERA250

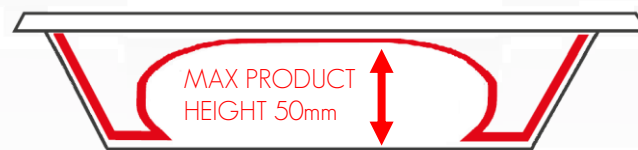


THERA 100



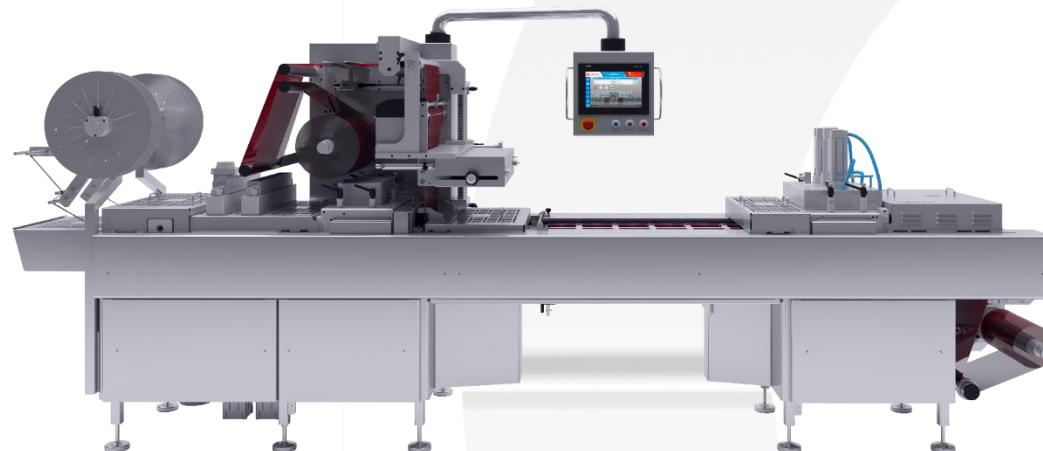
THERA 250

SKIN NO PROTRUDING: allows to realize skin packaging with products underneath the packs sides/walls



H MAX. 50mm

SKIN on THERA450



THERA 450

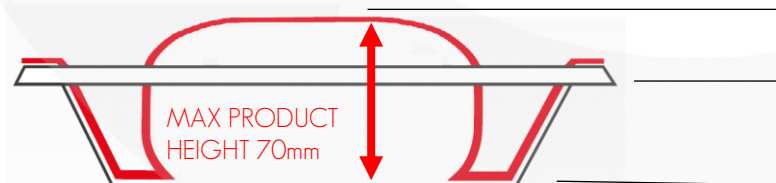
SKIN NO PROTRUDING: allows to realize skin packaging with products underneath the packs sides/walls



MAX PRODUCT
HEIGHT 80mm

H MAX. 80mm

SKIN PROTRUDING: allows to realize skin packaging with protrusion up to 20 mm.

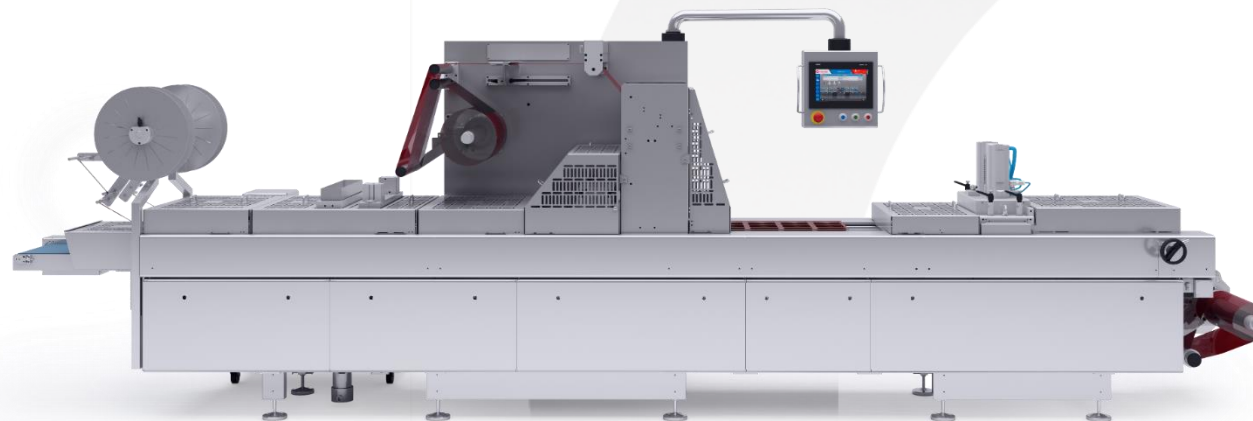


MAX PRODUCT
HEIGHT 70mm

H MAX. protrusion 20mm

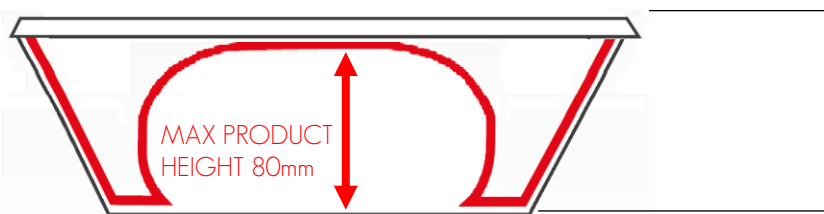
H MAX. tray 50mm

SKIN on THERA650



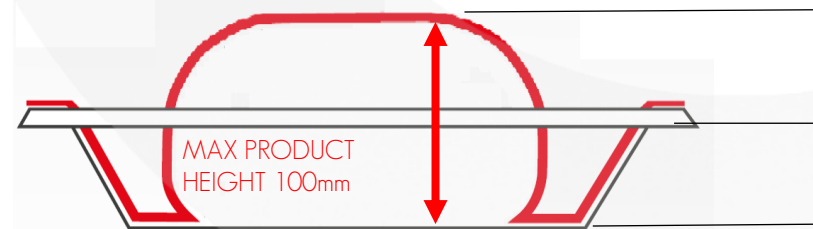
THERA 650

SKIN NO PROTRUDING: allows to realize skin packaging with products underneath the packs sides/walls



H MAX. 80mm

SKIN PROTRUDING: allows to realize skin packaging with protrusion up to 50 mm.



H MAX. protrusion 50mm

H MAX. tray 50mm

New

SKIN PACKAGES ON CARDBOARD

COLIGROUP special application to realize SKIN packs with a HI-BARRIER and RECYCLABLE paper.

Combining thermoformable paper and skin film, this is a new packaging concept on the market.



RECYCLABLE



ATTRACTIVE



THERMOFORMABLE

New

FLAT SKIN PACKAGE - **WEBSKIN**

In the face of global environmental change and its emerging challenges and unknown, **sustainable development** meets the needs of the present without compromising the ability of future generations to meet their own needs. Colimatic has developed a **packaging project** that combines the **efficiency and hygiene** of thermoforming process with the packaging design of traysealing and optimized usage of plastic material.



The outcome is a package whose 80% is composed of **recyclable cellulose**, with printed and customizable graphics made from a reel, thus eliminating the costs of storing and managing pre-cut cardboards.



FIRST IN THE WORLD!

WEBSKIN

Patent pending

New

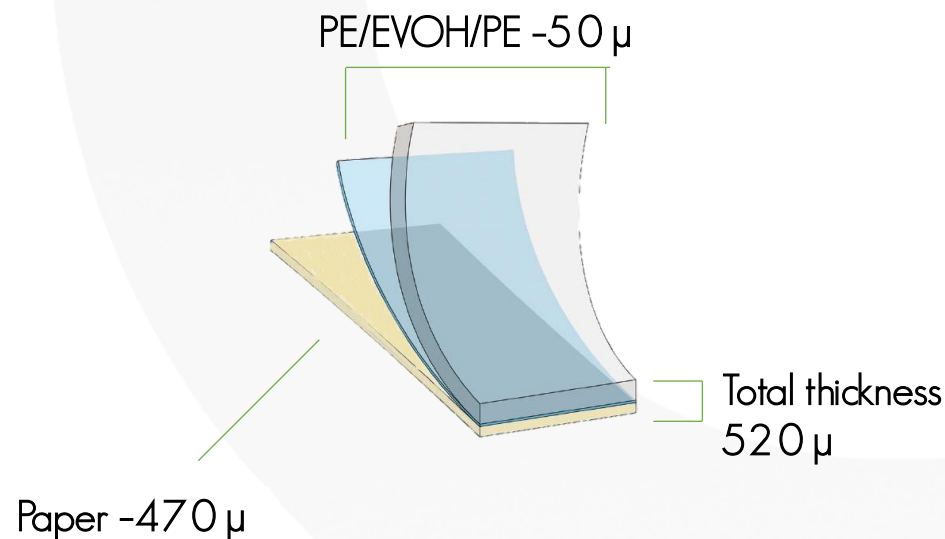
FLAT SKIN PACKAGE - WEBSKIN

Bottom film Cardboard

The tray is made from a reel, with **printed and customizable graphics** both **FRONT** and **UPFRONT**.



Flat cardboard composition



In grams (gr):

400gr/mq² Paper
+
49gr/mq² PE/EVOH/PE
=
449gr/mq²



FIRST IN THE WORLD!

WEBSKIN

Patent pending

New

FLAT SKIN PACKAGE - WEBSKIN

Cardboard bottom film



FIRST IN THE WORLD!

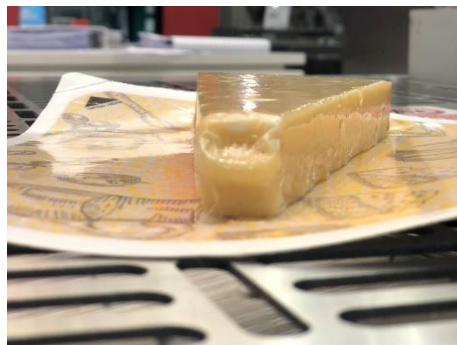
WEBSKIN

Patent pending

HYDRAULIC GUILLOTINE CUTTING SYSTEM THAT IS USED FOR MEDICAL APPLICATIONS ENSURING THAT THERE IS ZERO POSSIBILITY OF RELEASING CARDBOARD FIBRES INTO THE PRODUCT.

PATENTED ALGORITHM CONNECTED PHOTOCELLS THAT KEEPS THE REGISTRATION CENTRED. GUARANTEES CONSISTENCY AND REQUIRES NO STOPS TO PRODUCTION TO "TUNE" AND "CENTRE" THE PRINTING WITH "FORMING" SEALING AND CUTTING.

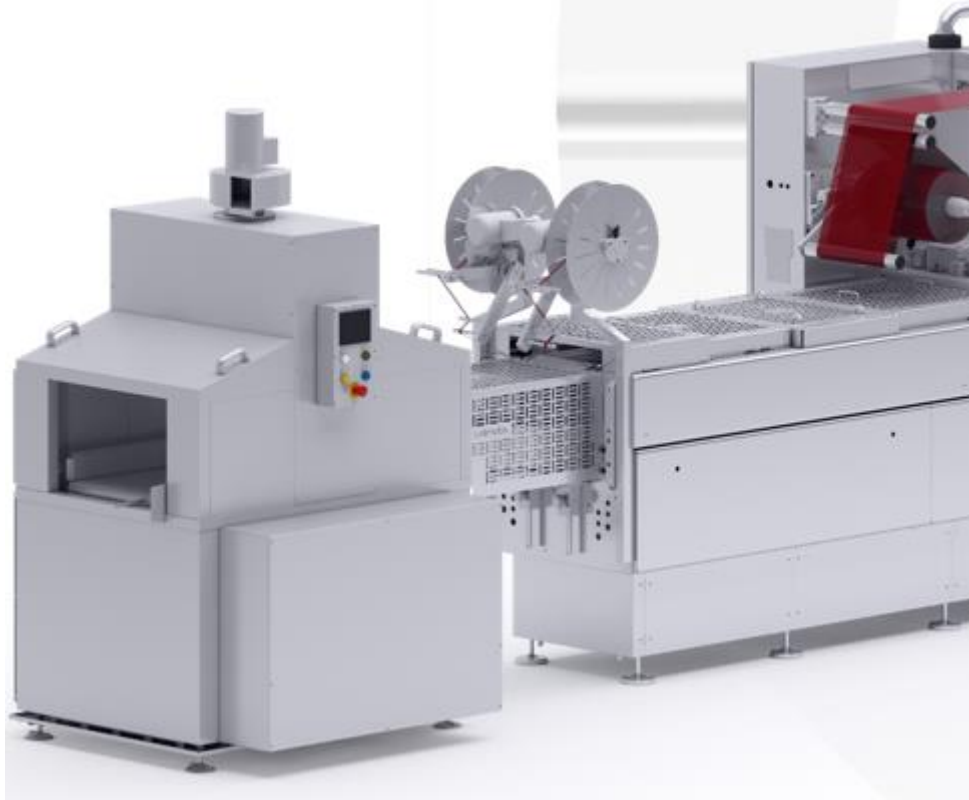
UP TO 50MM
PROTRUSION ON FLAT
BOARD



SHRINK TECHNOLOGY

<https://www.youtube.com/Shrink>

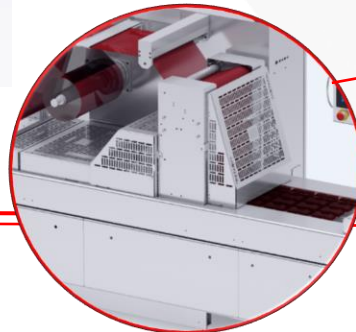
Thermoforming line mod. **THERA SHRINK** technology



With the shrink packaging process, products are packed under vacuum with special shrinking material and afterwards put on heat. Through the heating mechanism of hot air or hot water, the material shrinks back and fit around the product shape.

ADVANTAGES

- Maximum shelf-life
- Attractive pack
- Use of minimum thickness material (cost saving and e eco-friendly)



Perfect results thanks to the upper film tensioning solution in the sealing chamber

SHRINK TECHNOLOGY

BEFORE and AFTER
shrinking operations



SHRINK TECHNOLOGY BEFORE and AFTER shrinking operations

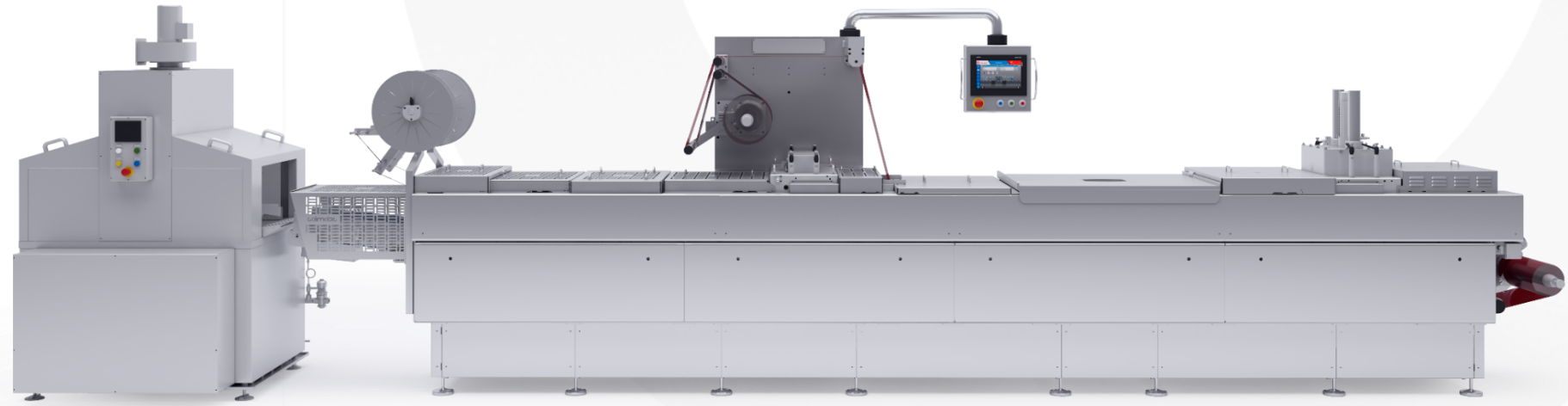


COOK-IN APPLICATION

“Cook-in” allows the production of quality cooked meats by minimizing production, labor and operating costs.

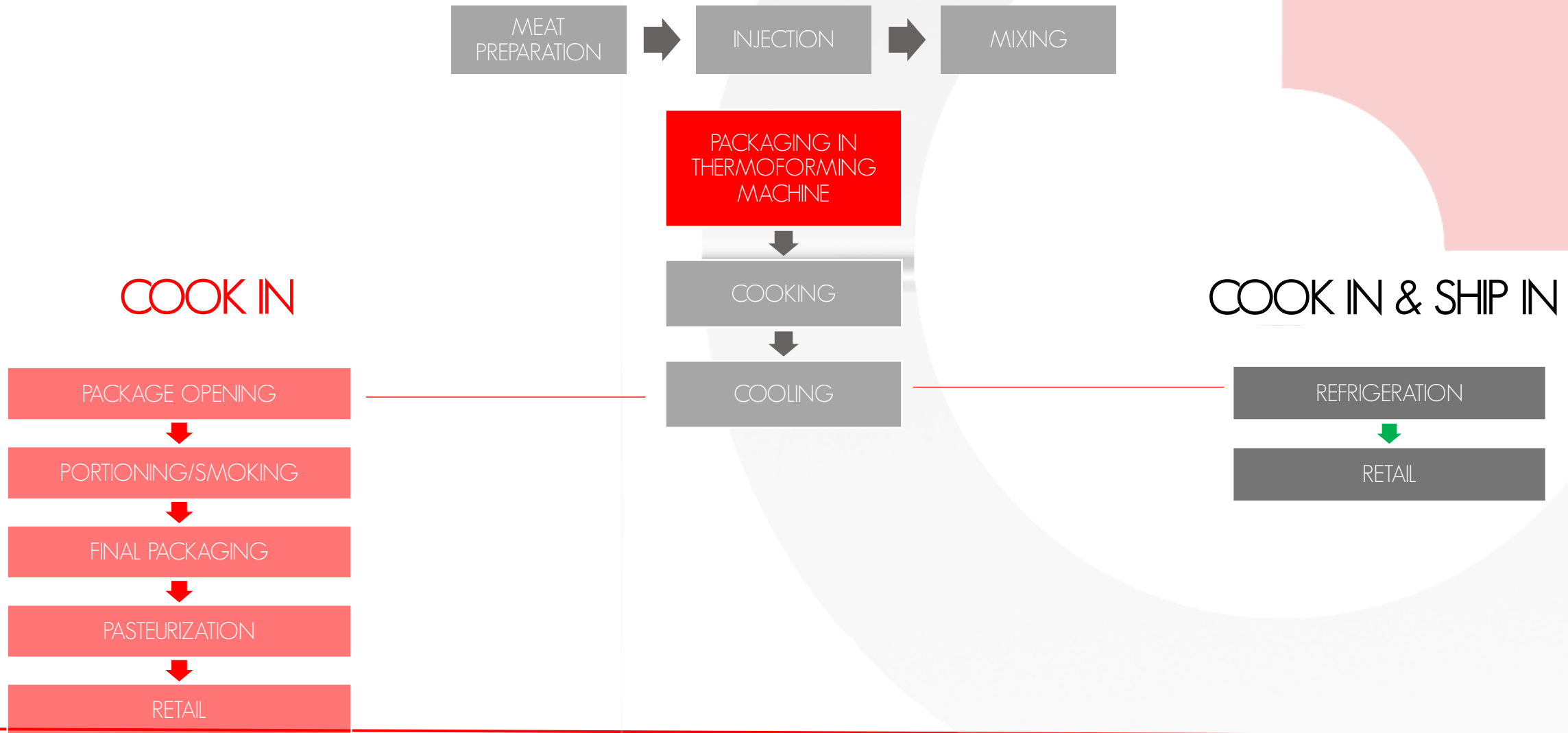
The key advantages from this production technology are:

- Food safety due to minimum handling of the product.
- Superior nutritional and organoleptic properties due to vacuum cooking.
- Better quality under the same conditions of injection and mixing due to the lack of liquid losses during the process.
- Improved flexibility for the shape, weight and dimensions of the product.
- Elimination of metal molds and other related issues such as storage, cleaning, logistics, and labor.



COOKED PRODUCTS

COOK-IN METHOD - COOK-IN and SHIP-IN METHOD



COOK-IN PROCESS

Shrink tunnel for total adherence of the packaging material to the product

Special integral cutting system

De-aeration chamber to eliminate oxygen inside the product

Chamber to preserve the product shape

Forming Chamber with Pre-heating plates and plug assist

Product ready for cooking

Special vacuum system with multiple stages that guarantee optimal result without altering the product

Special anti-drip movable loading area to avoid residues of fluids on the sealing area

Hard anodization of the structural parts

PACKED PRODUCTS



COOK-IN

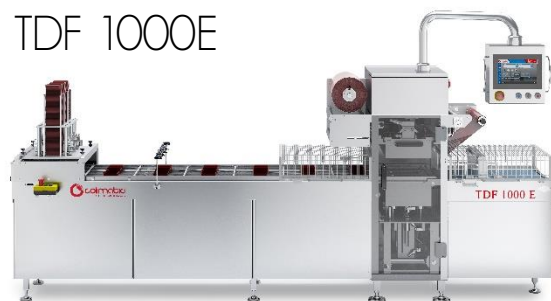
COOK-IN SHIP-IN





TDF 500
Semi-automatic

TDF 1000E



TDF 1650 - 1900
High speed solution

PACKAGES IN PREFORMED TRAYS

<https://www.youtube.com/TRAYSEALERMEAT>

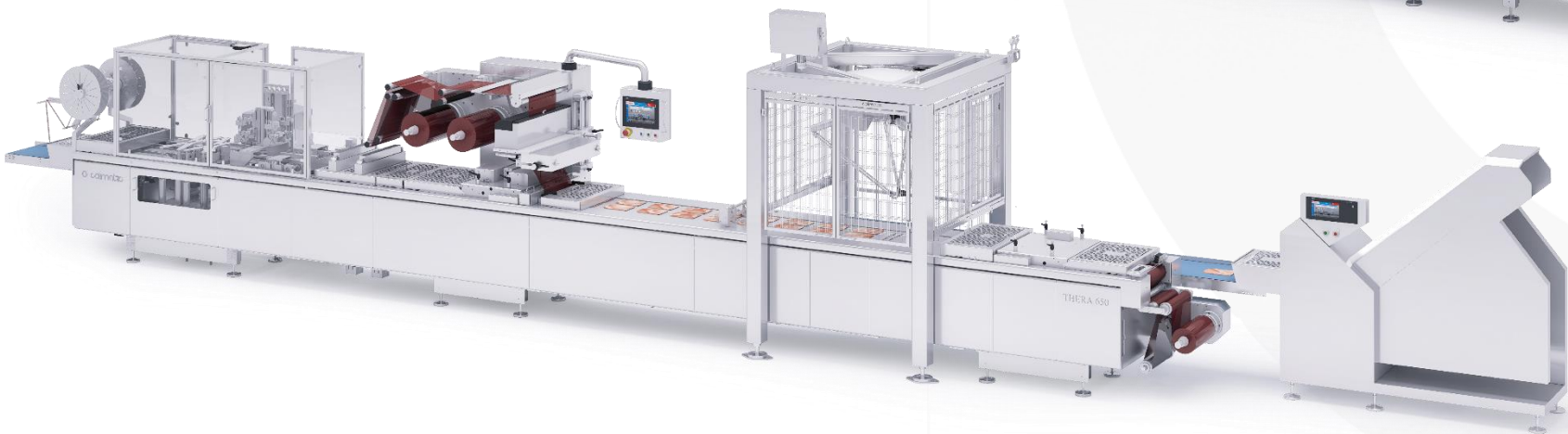
Tray-sealers packaging lines **SERIES TDF**



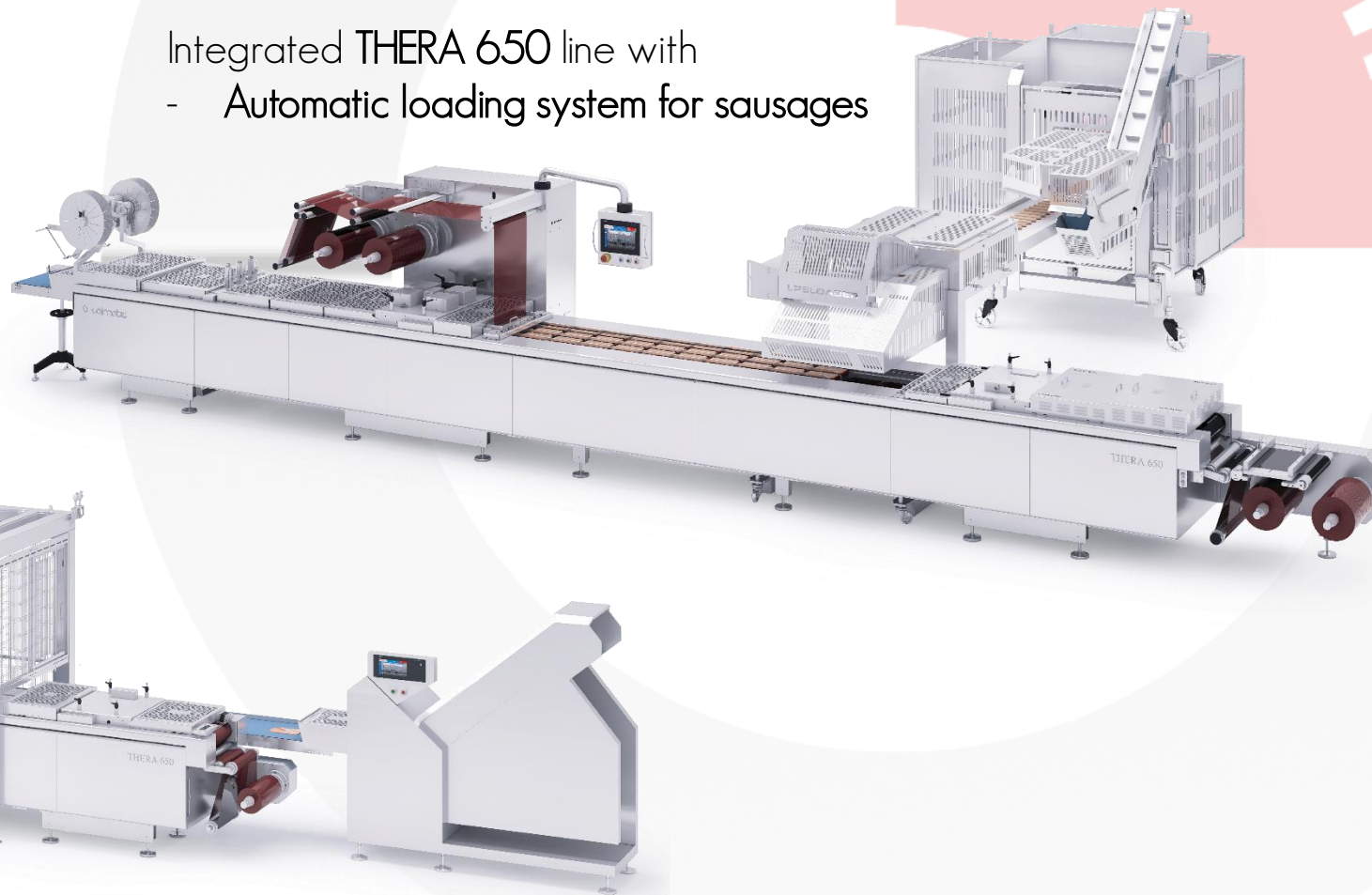
COLIMATIC

EXAMPLE OF INTEGRATED PACKAGING SOLUTIONS

- Integrated THERA 650 line with
- **ROBOT** for automatic loading
 - Automatic **SLICER**



- Integrated THERA 650 line with
- Automatic loading system for sausages



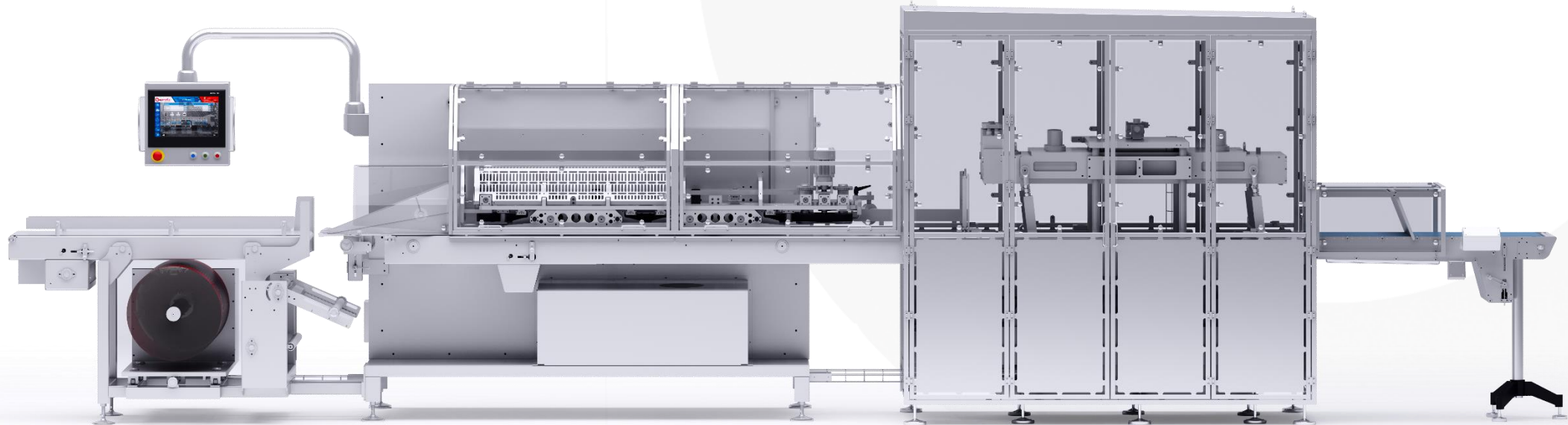
OMEGA800 1C LINE <https://www.youtube.com/OMEGA>

Vacuum chamber line for big sizes product

Designed to realize 3 side sealing and vacuum starting from a reel of film. This model is ideal for packaging of medium to large size products and irregular shapes. The process may be divided into two main stages: packaging and vacuum.

In **the first phase**, the film is tubular formed and longitudinally sealed around the product.

In **the second phase**, the vacuum and the transversal sealing take place. At the same time, one side is sealed outside the chamber and one side is sealed into the chamber.



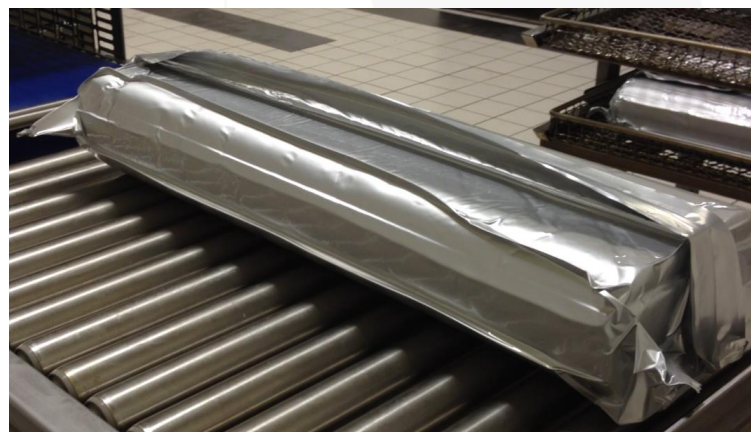
FINAL PRODUCT RESULT & MATERIAL



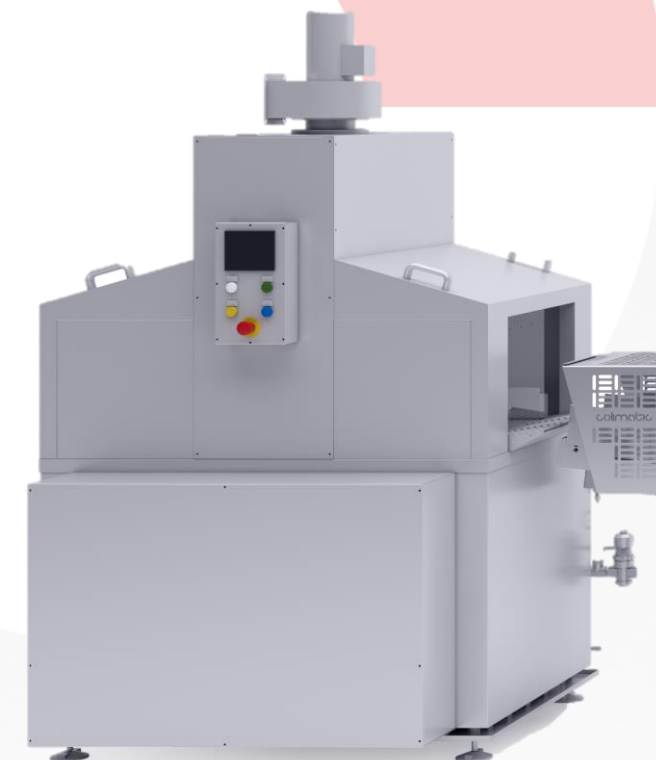
PA/PE Plastic or SHRINK material



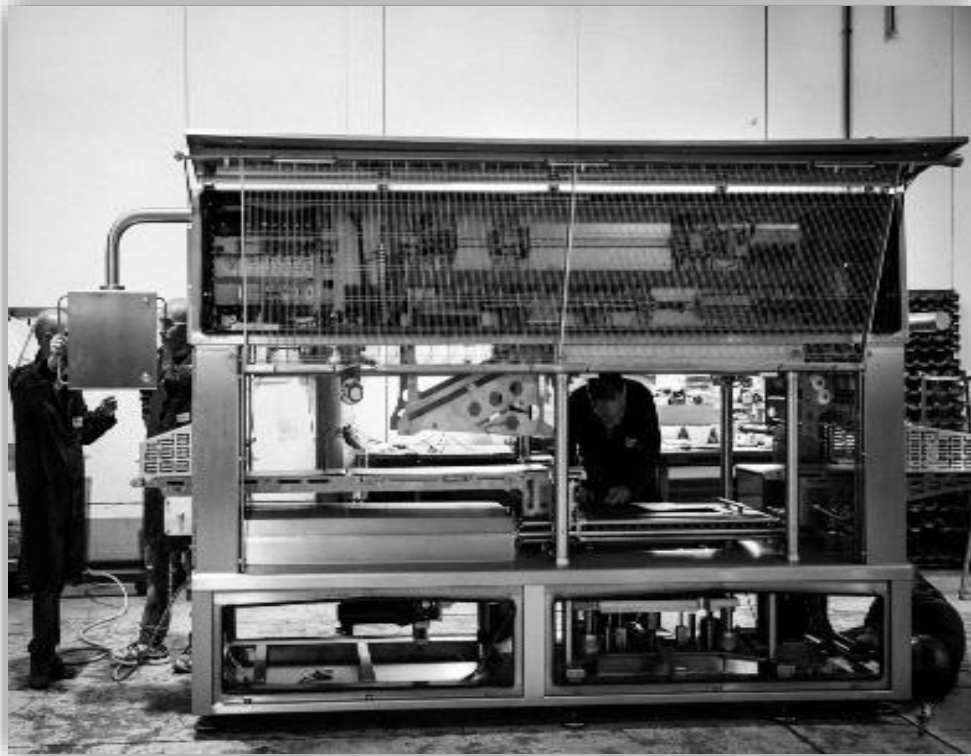
ALU/ALU Aluminum foil



OPTIONAL for:
Retractable / Shrinking material
(SHRINKING TUNNEL)



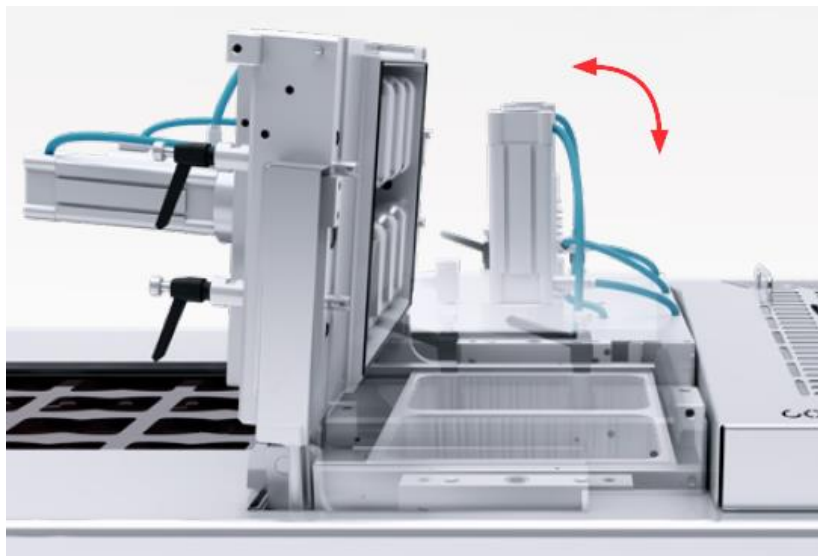
OUR VALUES



1. High speed **productivity**
2. Cost **saving** on consumables
3. User friendly
4. Reliability
5. Superior **hygiene**
6. Customization & Consultancy

1. HIGH CAPACITY & FLEXIBILITY

- ❸ PRODUCTION SPEED UP TO 22 CYCLES/MINUTE
(DEPENDING ON PRODUCT AND EQUIPMENT)
- ❸ FORMING AND SEALING HINGED CHAMBERS FOR THE FASTEST DIE CONFIGURATION CHANGE-OVER (15 MINUTES!)



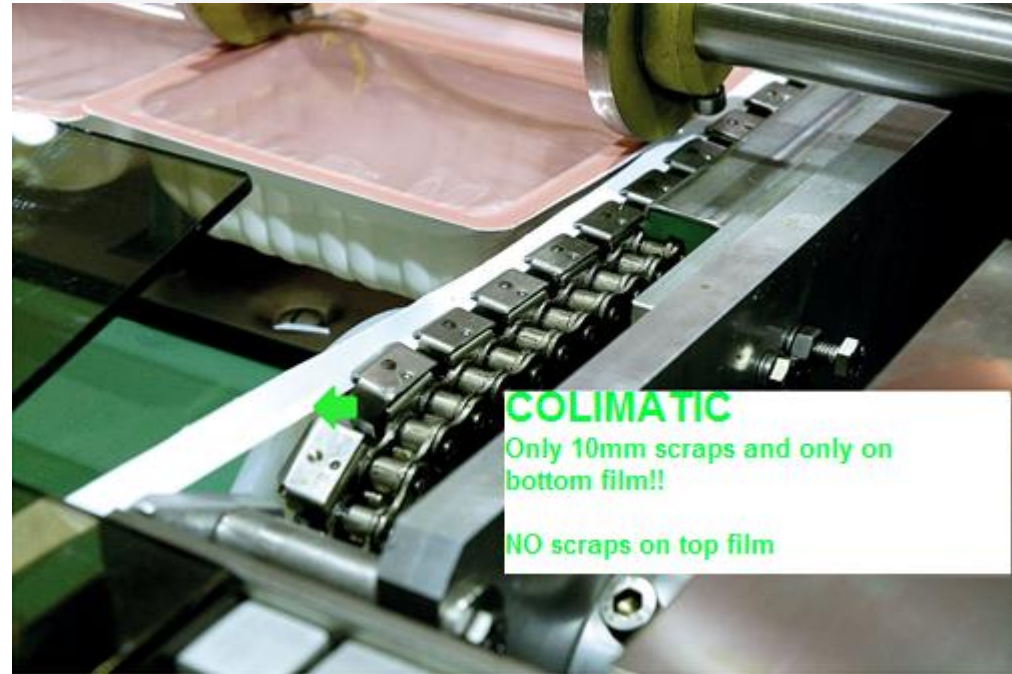
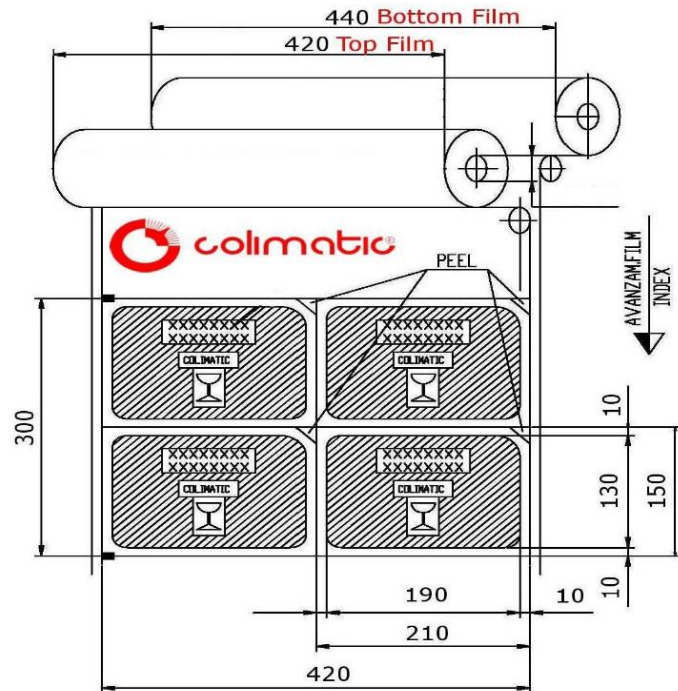
- ❸ EASY&FAST REEL CHANGING

TOP AND BOTTOM REEL-HOLDERS: ALL MODELS ARE EQUIPPED WITH PNEUMATIC EXPANSION LOCK SYSTEM. THIS HIGH-PRICED DEVICE ALLOWS A FAST AND EASY REEL CHANGE EVEN FOR FIRST USERS, THUS REDUCING COSTLY DOWNTIMES



2. COST SAVINGS

🔄 SPECIAL SYSTEMS FOR VACUUM AND GAS INJECTIONS.
ONLY 10MM LATERAL SCRAPS AND ONLY ON BOTTOM FILM, WITH A
CONSEQUENT COST SAVINGS ON PACKAGING MATERIAL



3. RELIABILITY: THERA LINES SPECIAL FEATURES

FIRST CLASS COMPONENTS:

OUR LINES INSTALL TOP QUALITY COMPONENTS FROM THE MOST IMPORTANT SUPPLIERS ON THE MARKET.

FIRSTLY, THIS IS TO GUARANTEE THE HIGHEST QUALITY ON OUR MACHINES, SECONDLY TO LET OUR CUSTOMERS FREE TO FIND NECESSARY SPARE PARTS INDEPENDENTLY ON THE MARKET.

WE WANT OUR CUSTOMERS TO COME BACK BECAUSE THEY TRUST US AND NOT BECAUSE THEY HAVE TO.

SIEMENS



Allen-Bradley

UNIVER



FESTO



3. RELIABILITY: THERA LINES SPECIAL FEATURES

MACHINE FRAME IN STAINLESS STEEL

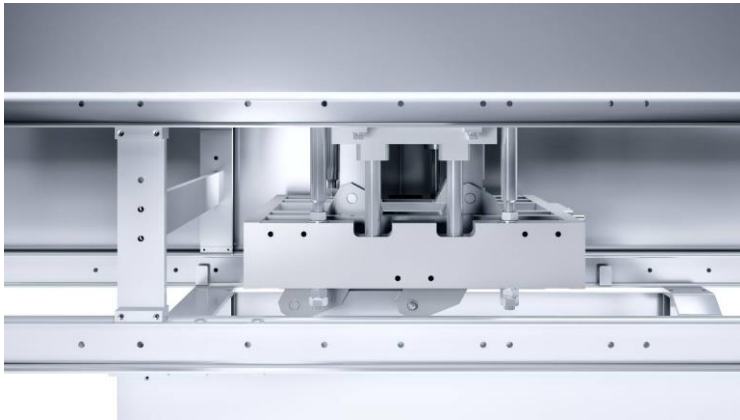
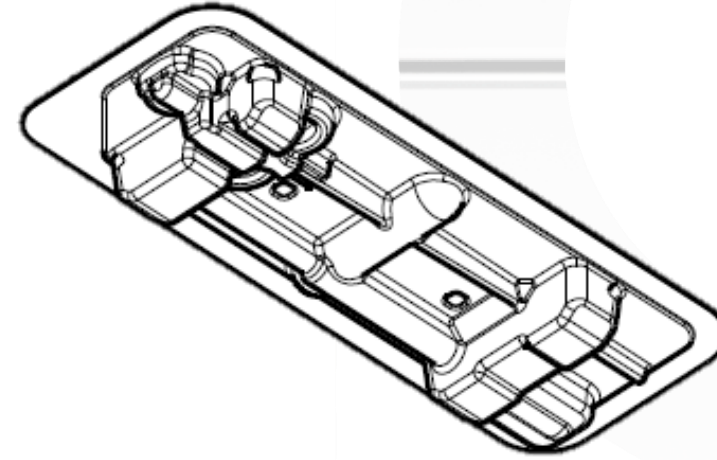
THE MOST SOLID AND ENDURING FRAMEWORK ON THE MARKET. ITS DOUBLE “C” SHAPE ROBUST TRACK PERMITS TO PLACE ALL MACHINE’S OPERATIVE STATIONS IN A PERFECT POSITION. THIS OPERATION OF FINE TUNING IS PERFORMED BY THE EXPERT HANDS OF OUR STAFF, TAILOR MADE ON EVERY MACHINE.

MOREOVER, THIS UNIQUE SHAPE ALLOWS MECHANISM VIBRATIONS TO BE DISCHARGED, REDUCING AT MINIMUM THE NEED FOR EXTRAORDINARY TECHNICAL INTERVENTION



3. RELIABILITY: THERA LINES SPECIAL FEATURES

TOP QUALITY FORMING TECHNOLOGY: ALL OUR LINES ARE CUSTOM DESIGN ACCORDING TO PRODUCTION EXIGENCIES. AFTER IN DEPTH EVALUATIONS, OUR TECHNICAL DEPT DESIGNS THE FINAL PACKAGING TO FIT AROUND THE PRODUCT AND GUARANTEE THE HIGHEST PERFORMANCE IN TERMS OF PRODUCTIVITY. THE RESULT IS THE **MOST ATTRACTIVE PACK** WITH THE **MOST EFFICIENT PACKAGING TECHNOLOGY** (VACUUM, MAP, SKIN, SHRINK,...).



HEAVY DUTY 4 COLUMNS LIFTING MECHANISM TO GUARANTEE A CONSISTENTLY HIGH LEVEL QUALITY OF THE WORKING CYCLE DUE TO THE PERFECT DISTRIBUTION OF WEIGHTS AND FORCES.

THIS UNITS ARE ALWAYS **OVERSIZED** COMPARED TO THE TECHNICAL REQUIMENTS, TO REDUCE THE WEAR AND LOW DOWN AT MINIMUM ANY REQUEST FOR EXTRAORDINARY INTERVENTION

4. HYGIENE



HIGHEST HYGIENE LEVEL

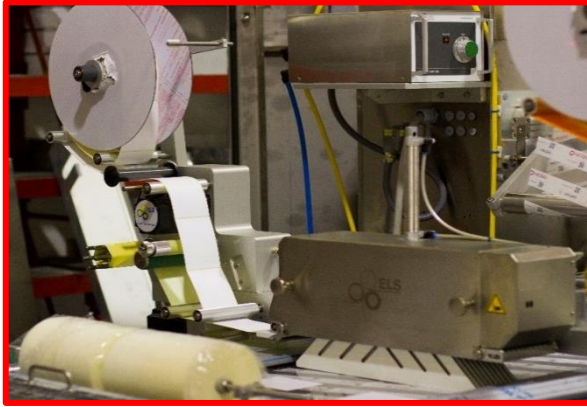
THE LINES ARE ENGINEERED TO MEET THE **HIGHEST STANDARD** IN TERMS OF HYGIENE, THANKS TO ITS SLOPED SURFACE TO COMPLETE WASHDOWN, SEPARATED & HERMETIC VALVES BOX AND OPTIONAL WATERPROOF HMI.

AVAILABLE FOR SPECIAL APPLICATION DEEP ANODIZATION AND DURABLE TREATMENT.

5. INTEGRATED SOLUTIONS

The thermoforming machine THERA could be provided with a wide range of options:

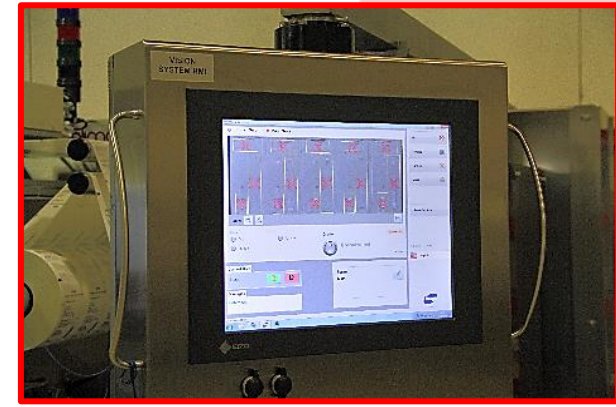
LABELLERS



PRINTERS



VISION SYSTEMS



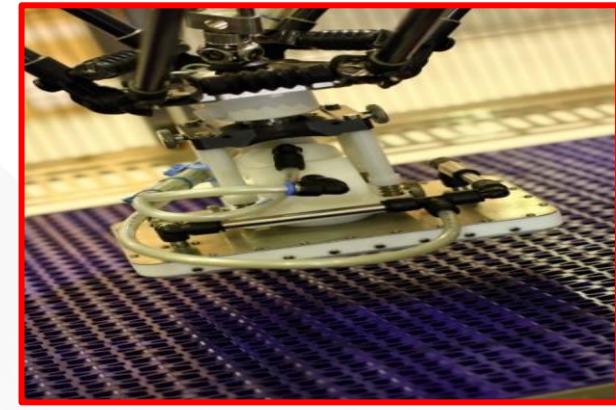
ALINING SYSTEM



DOSING SYSTEM



ROBOT for AUTOMATIC LOADING



6. CUSTOMIZATION & CONSULTANCY



- ❶ FEASIBILITY STUDIES BASED ON CUSTOMERS' PRODUCTS AND TECHNICAL EXPECTATIONS: PILOT MOLDS & PACKAGING MATERIALS TESTING
- ❷ TAILOR-MADE MOULDS CONFIGURATION
- ❸ COMPREHENSIVE PACKAGING OPTIONS: VACUUM; MAP; SHRINK, SKIN, TOP FORMING & RECLOSABLE PACKAGING.
- ❹ INTEGRATION WITH EXTERNAL DEVICES AND/OR CONCERNED MACHINERY
- ❺ PACKAGING MATERIALS: OUR MACHINERY IS SUITABLE TO ANY THERMOFORMING AND/OR TRAYSEALING MATERIAL WITH THICKNESS FROM 20 UP TO 1200 MY

AFTER SALES SERVICE



- Local support 24/24
- Remote tele-assistance
- Operator Training
- Preventative maintenance
- Spare parts packages
- Extended warranty

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)
- E-mail sending , video connection, software updates and **trouble shooting** (**INC** Integrated Connectivity)
- **Spare parts** warehouse management (**WSM** Warehouse Spare parts Management)

Ask for more...



AFTER SALES SERVICE

LISA[®] Line Integrated System Assistant

Is an integrated management software to allow

- Work Order acquisition and related process parameters setup (**ASC** Automatic Set up Control)
- Machine operating status continuous monitoring (**DPM** Data Process Management)
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- E-mail sending , video connection, software updates and trouble shooting (**INC** Integrated Connectivity)
- Spare parts warehouse management (**WSM** Warehouse Spare parts Management)

“Listen to our customers, in order to fully understand their needs, being also able to establish a successful communication, is our key to tailor made packaging solutions”

SMALL
ENOUGH TO LISTEN
BIG ENOUGH
TO SERVE!

«Our customers' success is our mission!»

Thank you for your attention!



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