



Thermoforming
THERA lines

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



70% EXPORT SHARE

Confidential

WHAT WE DO

- Packaging technologies: Blister, ATP, Vacuum, Skin and Shrink
- Integrated packaging solutions with automatic robotic loading system, printers, labelers and control vision systems.
- After-sales support and production management.
- Experts consultancy, packaging trials and packaging material tests.



MACHINERY RANGE

Form Fill Seal thermoforming technology



THERA 100



THERA 450



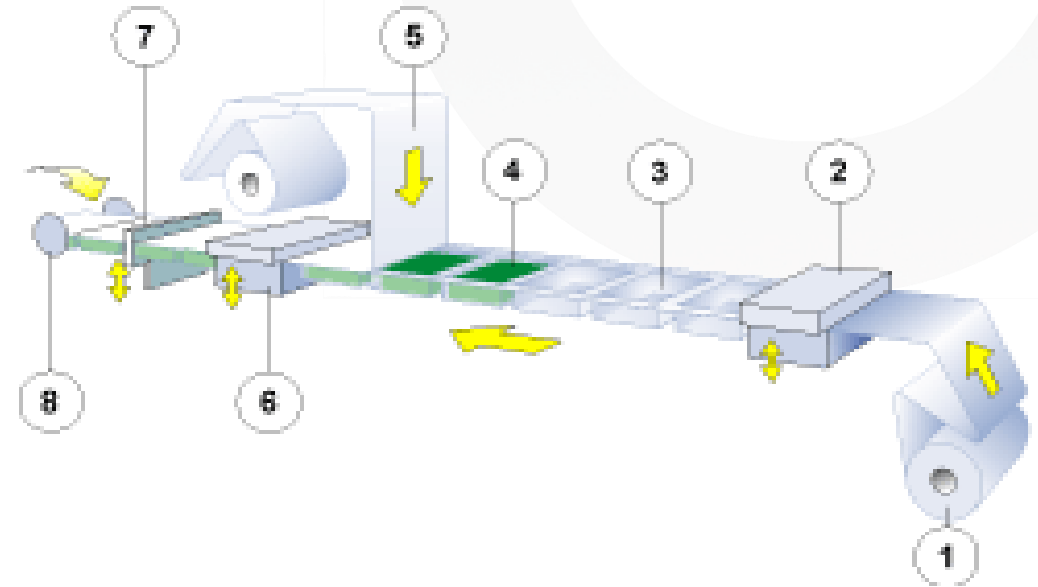
THERA 250



THERA 650

THERMOFORMING FFS LINES METHOD OF OPERATION

1. PACKAGING MATERIAL FOR THE BASE WEB (THERMOFORMABLE FILM) IS UNWOUND FROM THE REEL.
2. IT IS HEATED IN THE FORMING DIE AND FORMED INTO POCKETS/TRAYS
- 3/4. THE FORMED POCKETS **ARE LOADED** MANUALLY OR AUTOMATICALLY
5. THE TOP WEB OF PACKAGING MATERIAL (LID FILM) **COVERS** THE FILLED POCKETS/TRAYS.
6. THE **AIR IS EVACUATED** FROM THE SEALING DIE AND **PROTECTIVE GAS IS ADDED** IF REQUIRED. THEN THE PACK IS SEALED
7. THE WEB OF PACKS IS CUT ACROSS THE MACHINE DIRECTION INITIALLY.
8. PRODUCTION OF THE INDIVIDUAL PACKS HAS BEEN COMPLETED AFTER THE LONGITUDINAL CUTTING OPERATION.



WHY CHOOSING COLIMATIC THERMOFORMING LINES?

We care about the **QUALITY** of our products in order to manufacture
RELIABLE, SOLID and DURABLE packaging line

- Choosing **FIRST CLASS** components
- Using long-lasting and enduring **MATERIALS**
- Providing high quality **pneumatic** and **mechanical** systems
to **low down at minimum** any request for extraordinary intervention
- Supporting our customers with the **highest efficiency level**
 - **Eliminating** production downtimes

To be the **best** partner in the **production flow** process

AND

- Following the customer through the most advanced **management software**

To be present in **real time** to help

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



THERA LINES SPECIAL FEATURES



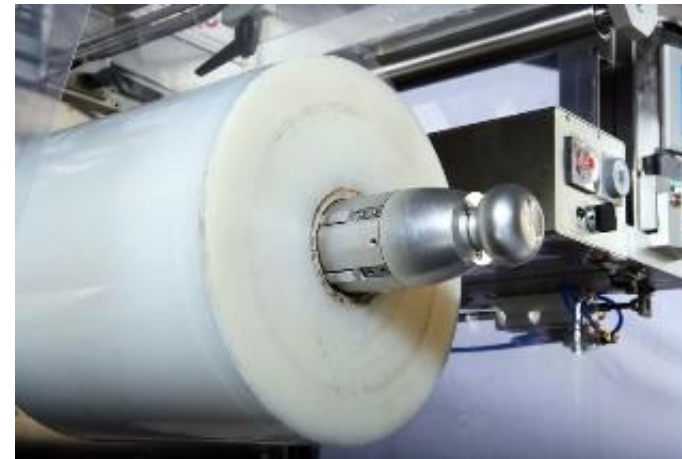
TOP AND BOTTOM REEL-HOLDERS

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

HIGHEST HYGIENE LEVEL

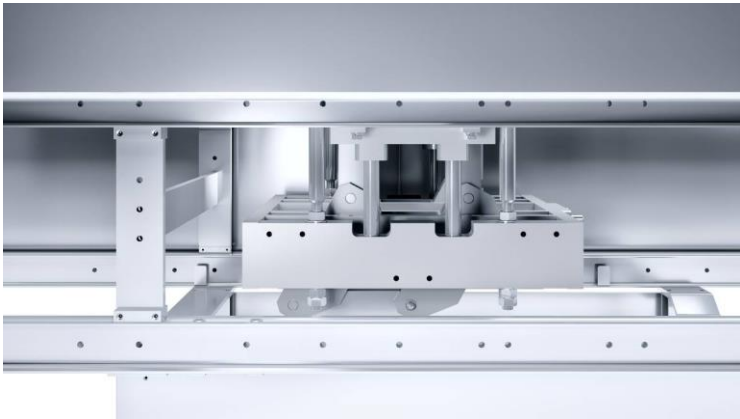
THE LINES ARE ENGINEERED TO MEET THE **HIGHEST STANDARD** IN TERMS OF HYGIENE, THANKS TO ITS SLOPED SURFACE TO COMPLETE WASHDOWN, **SEPARATED & HERMETIC VALVES BOX** AND OPTIONAL **WATERPROOF HMI**.

AVAILABLE FOR SPECIAL APPLICATION DEEP ANODIZATION AND DURALTI TREATMENT.



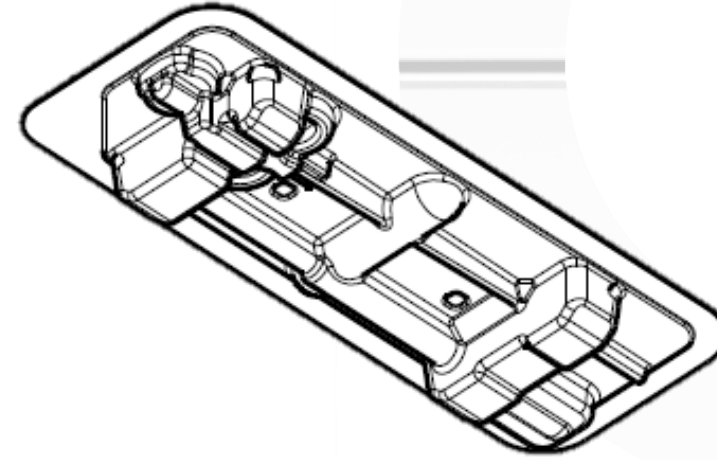
THERA LINES SPECIAL FEATURES

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

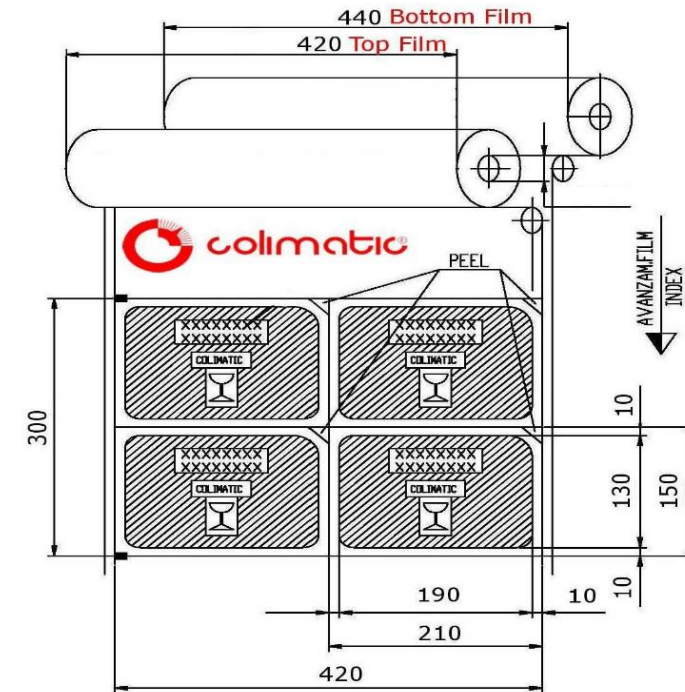


THERA LINES SPECIAL FEATURES

CUTTING STATIONS: AVAILABLE THE BEST CUTTING TECHNOLOGY ON THE MARKET.

A SPECIAL SCISSOR CUTTING TO REALIZE **PERFECT CUT** AND ELIMINATE HANGING NAILS IS AVAILABLE WITH A UNIQUE **SELF-SHARPENING** MOVEMENT. THIS MINIMIZE THE NEED FOR SPARE PARTS.

WHILE THE QUALITY OF OUR INTEGRAL CUTTING SYSTEM ALLOWS US **TO GUARANTEE UP TO 1 MILLION STROKES** ON THE BLADE!



SAVINGS ON PACKAGING MATERIAL: SPECIAL SYSTEMS FOR VACUUM AND GAS INJECTIONS.

ONLY 10MM LATERAL SCRAPS AND ONLY ON BOTTOM FILM, WITH A CONSEQUENT COST SAVINGS ON PACKAGING MATERIAL

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



Thermoforming FFS line mod. THERA 100

Compact, efficient and affordable,
This is the perfect solution to fit into **narrow areas**
with no reduction in terms of efficiency. It serves
company with small production or niche-product
exigences.
Available for all packaging technologies: VACUUM,
MAP and SKIN.



THERA100 is the MOST CONVENIENT solution on the market.

THERA 100

HMI 7" TOUCH SCREEN

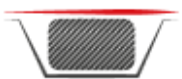
FREE LOADING AREA
630 mm < area < 820 mm



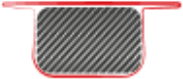
MACHINE'S LENGTH: 3.000 mm

- ✓ Top Film width: 300 or 400 mm
- ✓ Bottom Film width: 320 or 420 mm
- ✓ Index: 180-200-220-240-260-300
- ✓ Flexible film: Min film thickness 80μ
- ✓ Rigid film: Max film thickness 400μ
- ✓ Packs depth: Max 100 my
- ✓ Production capacity: up to 6 cycles/min
(die conf. 1.1 – 2.1 – 3.1 – 4.1)
- ✓ Production capacity: up to 3/4 cycles/min
(die conf 1.2 – 2.2 – 3.2 – 4.2)
- ✓ Only n.1 cross cutting available (half-index function)
- ✓ SKIN: only on 1.1 - 2.1 - 3.1 - 4.1

TOP SEAL



VACUUM



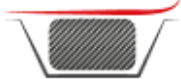
MAP



SKIN
TECHNOLOGY



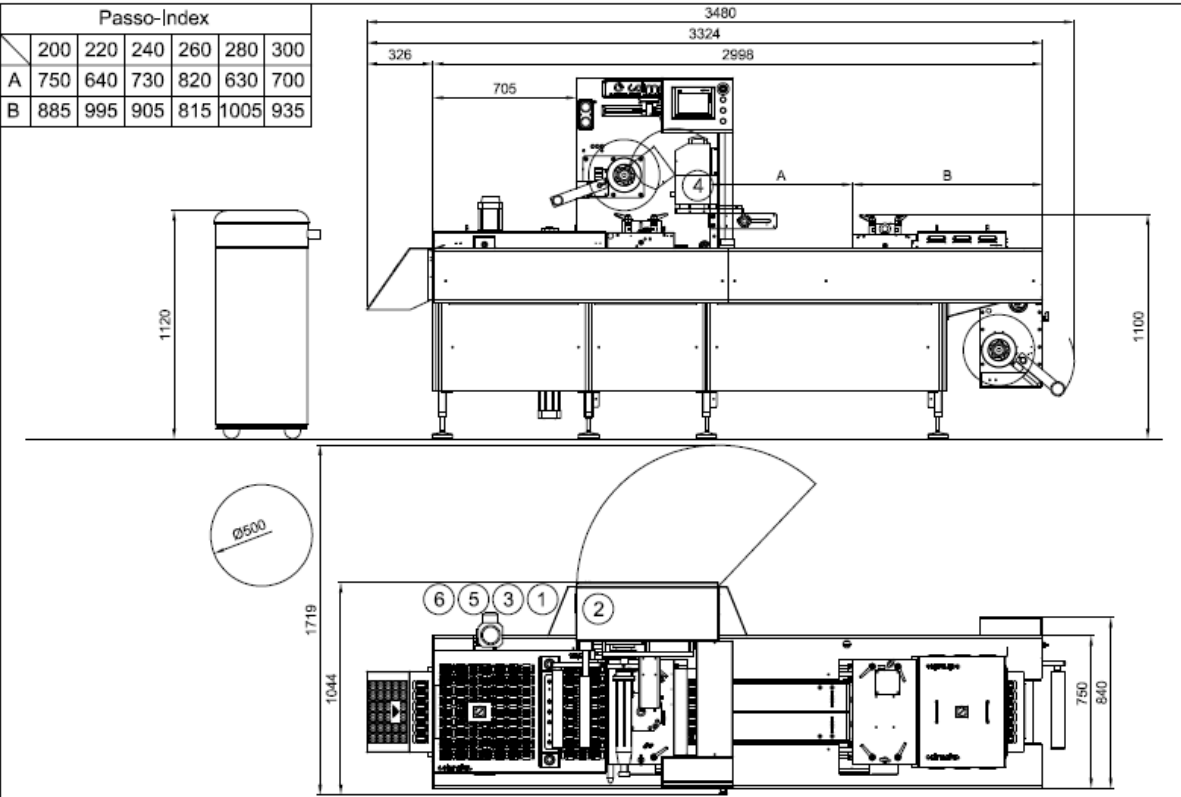
EASY PEEL



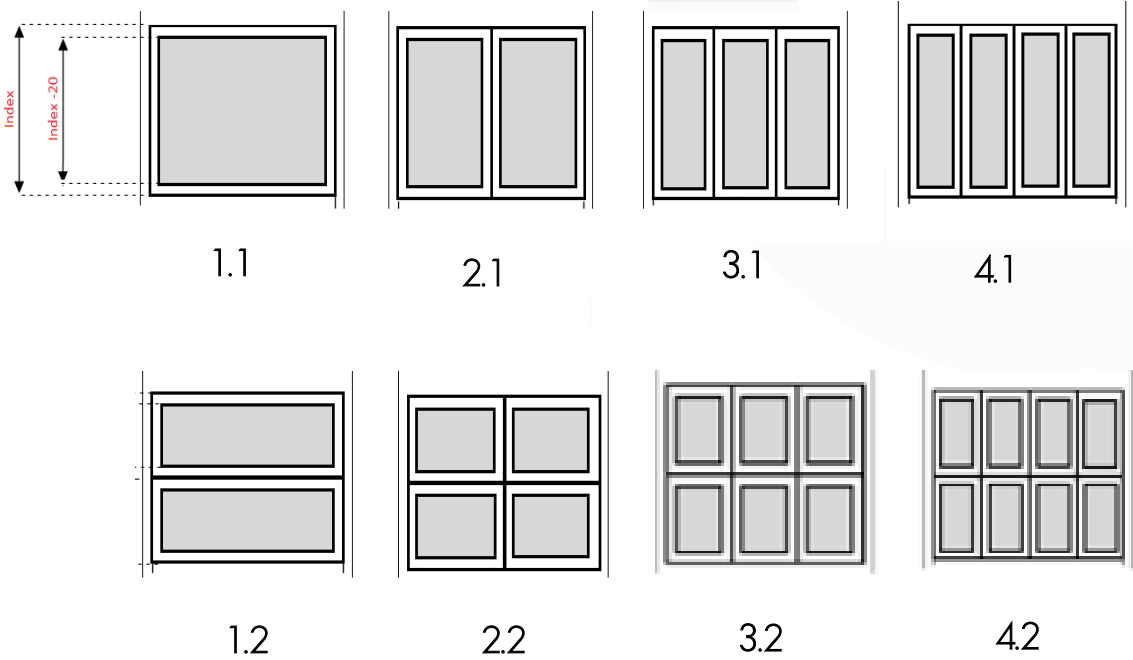
DATA
MANAGEMENT



MACHINE OVERALL DIMENSIONS



TOOL CONFIGURATION available



Thermoforming FFS line mod. THERA 250

Our THERA 250: reduced dimensions with a **considerable loading area**. Thanks to its high efficiency and competitive price, this model has the best price-to-performance rate. It perfectly suits our customers in need to increase their production. It is available with different packaging technologies in **12 different pack die** configurations.



THERA 250

HMI 7" TOUCH SCREEN



FREE LOADING AREA
1650 mm < area < 1820 mm

MACHINE'S LENGTH: 4.000 mm

- ✓ Top Film width: 300 or 400 mm
- ✓ Bottom Film width: 320 or 420 mm
- ✓ Index: 180-200-220-230-240-260-300
- ✓ Packs depth: Max 100 my
- ✓ Flexible film: Min film thickness 80μ
- ✓ Rigid film: Max film thickness 400μ
- ✓ Production capacity: up to 6 cycles/min
- ✓ n.2 cross cuttings available
- ✓ Preheating and plugs available (for rigid film)
- ✓ SKIN only on 1.1 - 2.1 - 3.1 - 4.1

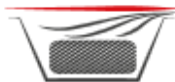
TOP SEAL



VACUUM



MAP



SKIN
TECHNOLOGY



EASY PEEL

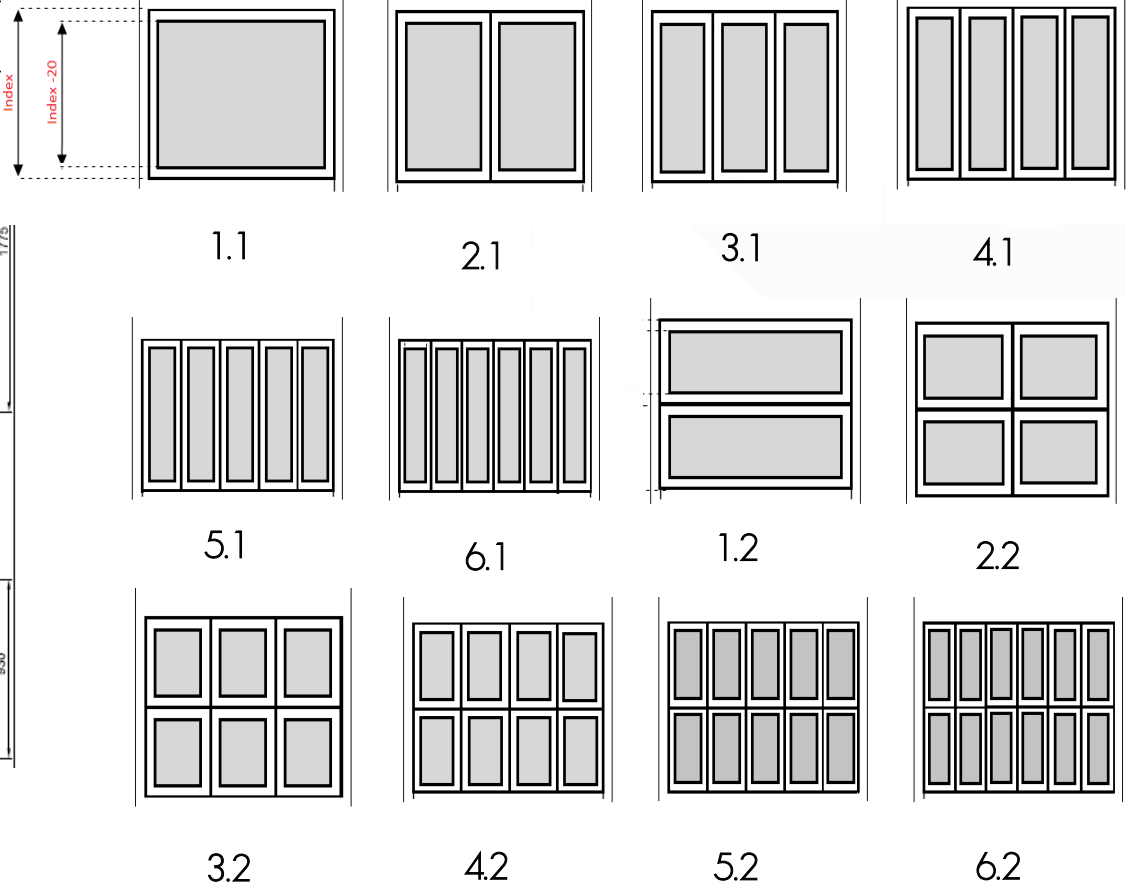
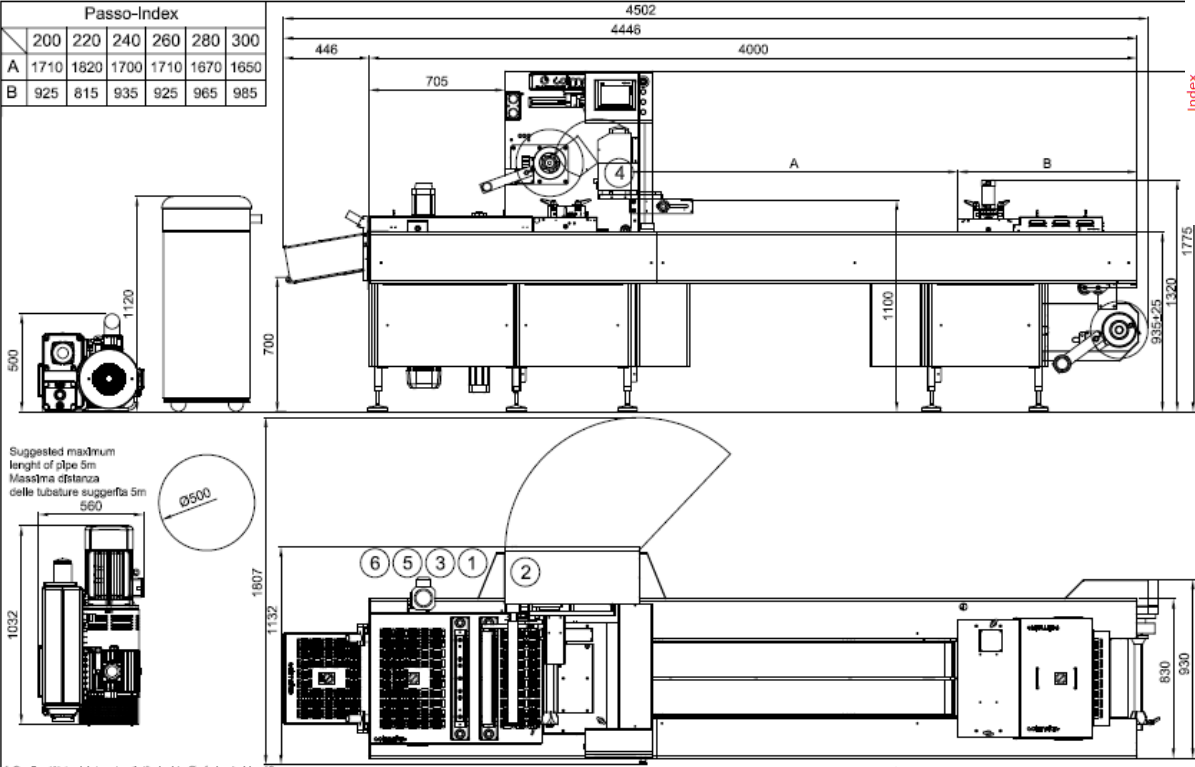


DATA
MANAGEMENT



THERA 250 OVERALL DIMENSIONS

TOOL CONFIGURATIONS available



Thermoforming FFS line mod. THERA 450

Our THERA 450 machine's compact & solid frame, allows its easy placement into reduced areas.

It grants **high Colimatic technology**, at the service of **medium** production needs.

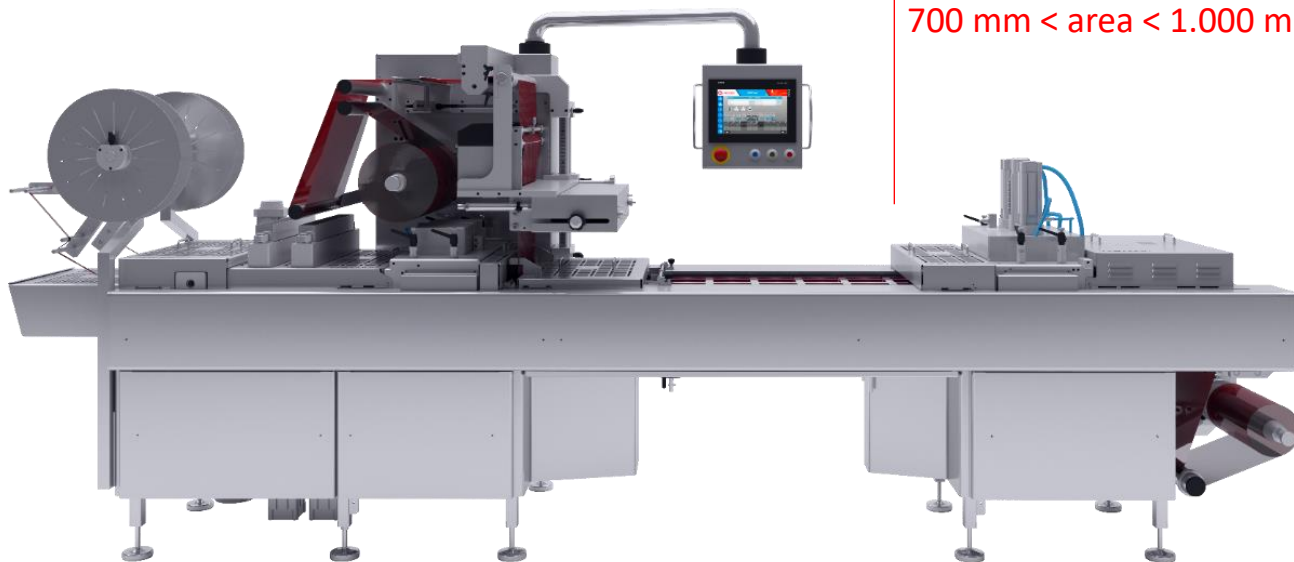
This is the ideal packaging solution for companies requiring professional outputs in any kind of working environment.



THERA 450

HMI 12" TOUCH SCREEN

LOADING AREA
700 mm < area < 1.000 mm



MACHINE'S LENGTH: 4.000 mm

- ✓ Top Film width: From 300 to 400 mm
- ✓ Bottom Film width: From 320 to 420 mm
- ✓ Index: 100 < index < 300
- ✓ Flexible film: Min film thickness 80μ
- ✓ Rigid film: Max film thickness 800μ
- ✓ Production capacity: up to 20 cycles/min
- ✓ n.2 cross cuttings available
- ✓ Preheating and plugs available (for rigid film)
- ✓ **Hinged chambers** for fastest die conf. change
- ✓ CUSTOM DIE CONF. AVAILABLE

TOP SEAL



VACUUM



MAP



SKIN TECHNOLOGY



SHRINK



EASY PEEL



GAS FLUSH



Confidential

Thermoforming FFS line mod. THERA 500

Our latest realization mod. THERA 500 is the missing link. It grants **high Colimatic technology**, at the service of **medium/high** production needs with an extended loading area for automatic product positioning.

The frame is longer but still compact, even more versatile thanks to the increased max index available and additional area for the integration with devices after the sealing area.



THERA 500

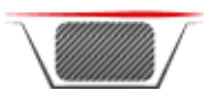
HMI 12" TOUCH SCREEN

LOADING AREA 1500 mm

MACHINE'S LENGTH: 6.000 mm

- ✓ Top Film width: From 300 to 400 mm
- ✓ Bottom Film width: From 320 to 420 mm
- ✓ Index: $100 < \text{index} < 400$
- ✓ Flexible film: Min film thickness 80μ
- ✓ Rigid film: Max film thickness 800μ
- ✓ Production capacity: up to 20 cycles/min
- ✓ n.2 cross cuttings/Integral cutting available
- ✓ Preheating and plugs available (for rigid film)
- ✓ **Hinged chambers** for fastest die conf. change
- ✓ Module for inline INTEGRATION with labeler, ink-jet printer or integral cutting
- ✓ CUSTOM DIE CONF. AVAILABLE

TOP SEAL



VACUUM



MAP



SKIN TECHNOLOGY



SKIN PROTRUDING



SHRINK



EASY PEEL



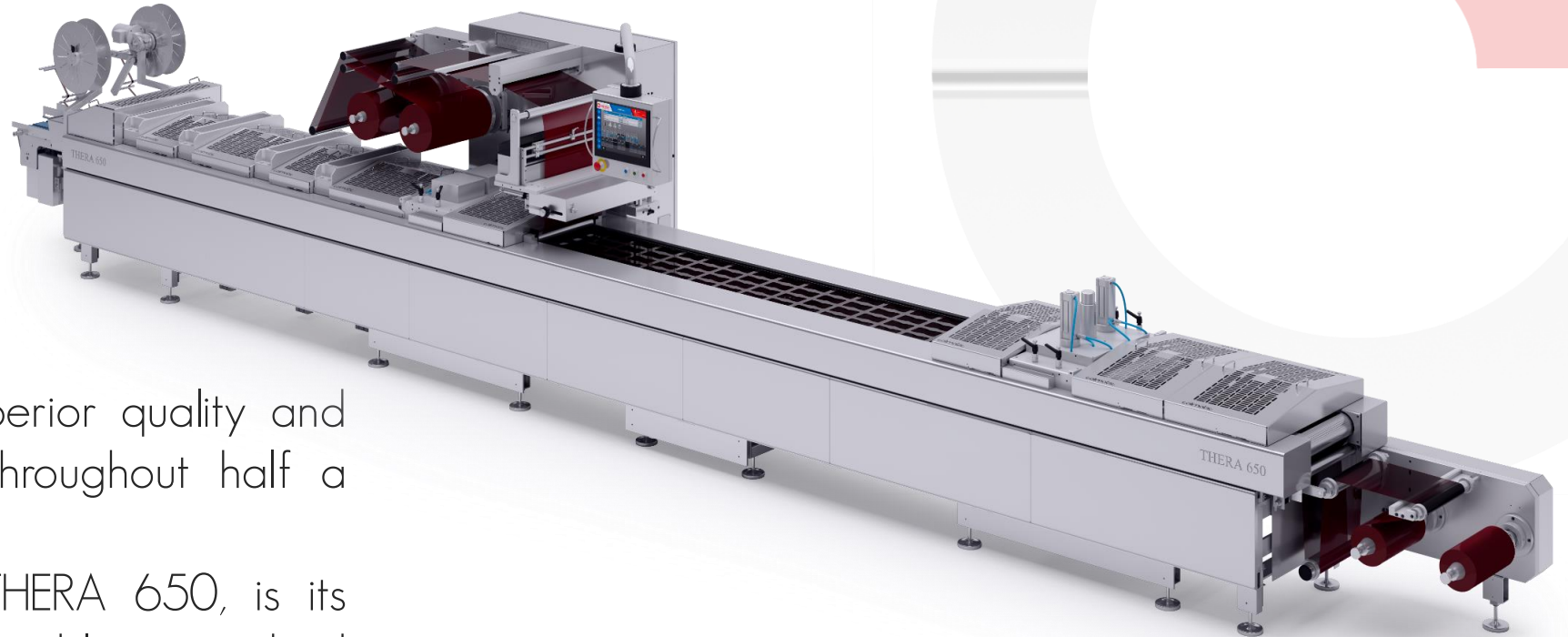
GAS FLUSH



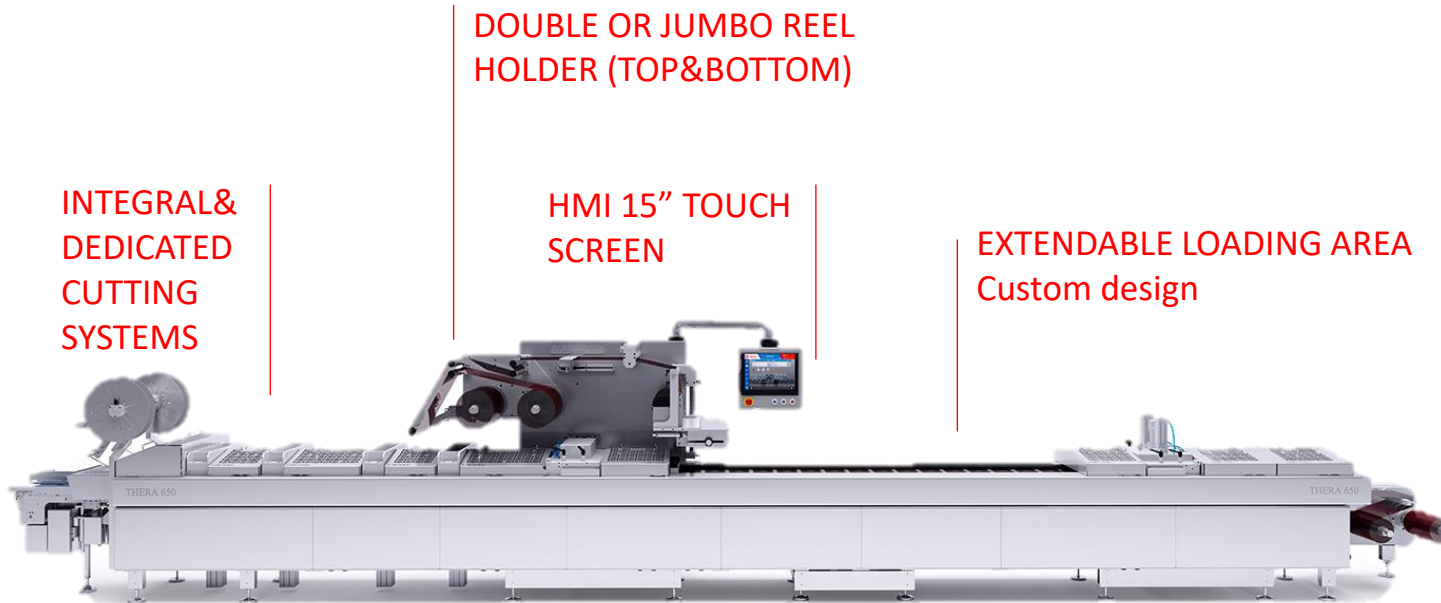
Thermoforming FFS line mod THERA 650

Cutting-edge technology, superior quality and high performance matured throughout half a century of experience.

The distinctive trait of our THERA 650, is its **modular** frame. This makes it suitable to any kind of production need, die configuration and speeds: making this machine the most **versatile** option with no limits to customization.

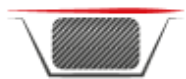


THERA 650

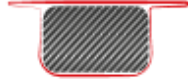


MACHINE'S LENGTH: custom
Modular system

TOP SEAL



VACUUM



MAP



SKIN
TECHNOLOGY



SKIN
PROTRUDING



SHRINK



EASY PEEL



GAS FLUSH



- ✓ Top Film width: Custom 280 < width < 640 mm
- ✓ Bottom Film width: Custom 280 < width < 660 mm
- ✓ Index: custom > 1200 mm
- ✓ Flexible film: Min film thickness 50μ
- ✓ Rigid film: Max film thickness 1200μ
- ✓ Pack depth: Max 200 mm
- ✓ Production capacity: up to 30 cycles/min
- ✓ Customized cross cuttings configuration
- ✓ Preheating and plugs available (for rigid film)
- ✓ **Hinged chambers** for fastest die conf. 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)
- 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...



SMALL
ENOUGH TO LISTEN
BIG ENOUGH TO SERVE!

«Our customers' success is our mission!»

Thank you for your attention!



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