



PACKAGING OF MEDICAL DEVICES

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



~ 50

YEARS OF EXPERIENCE

~ 4000

LINES INSTALLED

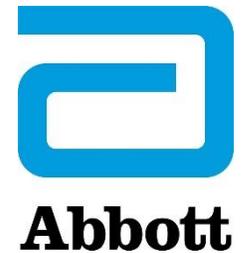
62 +

COUNTRIES WE EXPORT TO



70% EXPORT SHARE

Some of our CUSTOMERS



OUR CORE BUSINESS:

- **PACKAGING TECHNOLOGIES:** Medical Device and Pharmaceuticals, Food Applications such as Vacuum, Skinpack and Shrinkpack amongst other Flexible and Rigid packaging solutions.
- **INTEGRATED PACKAGING SOLUTIONS** with automatic robotic loading systems, printers, labelers and control vision systems.
- **AFTER-SALES SERVICES** and production management.
- **EXPERT TESTING FACILITIES,** packaging trials and packaging material tests.



THERA LINES

Form Fill Seal thermoforming technology



THERA 250



THERA 450



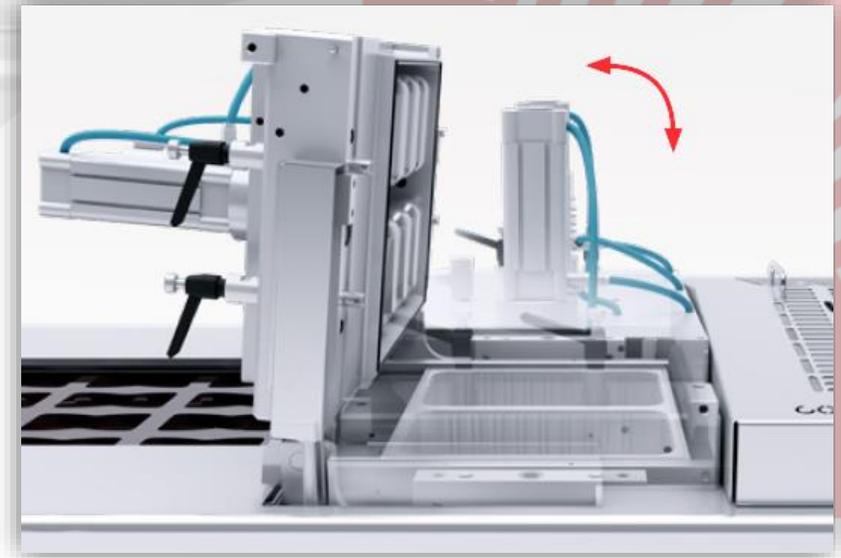
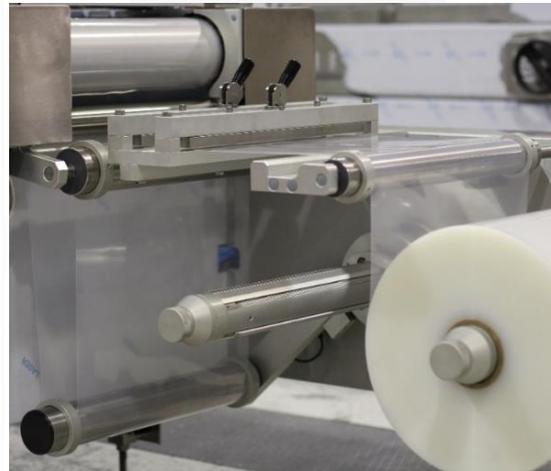
THERA 100



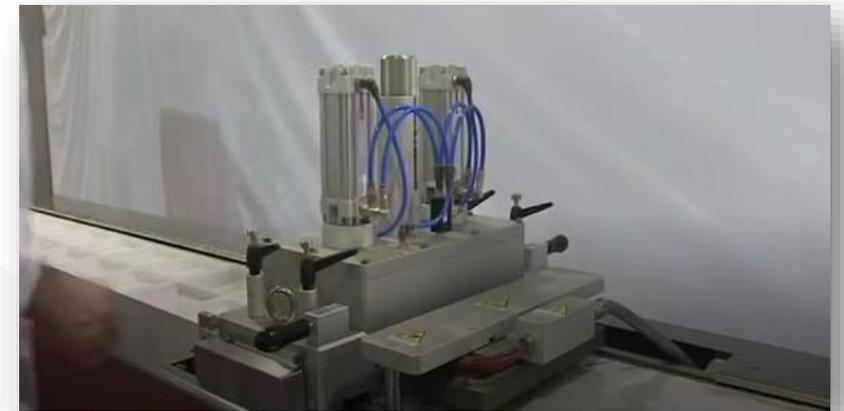
THERA 650

MACHINES FEATURES: HIGH CAPACITY & FLEXIBILITY

- 🔄 Production speed up to fino a 28 cycles/minute
- 🔄 Forming and sealing hinged chambers for the **fastest** die configuration change-over (15 minutes!)
- 🔄 Easy&fast reels changing:
Top and bottom reel-holders: all models are equipped with **pneumatic expansion lock system**. This high-value device allows a fast and easy reel change even for first users, thus reducing costly downtimes



Video



MACHINES FEATURES: RELIABILITY

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.

SIEMENS



Allen-Bradley

The logo for UNIVER, featuring the word 'UNIVER' in a stylized, italicized font with blue and white horizontal stripes on either side.



FESTO



CUSTOM DESIGN



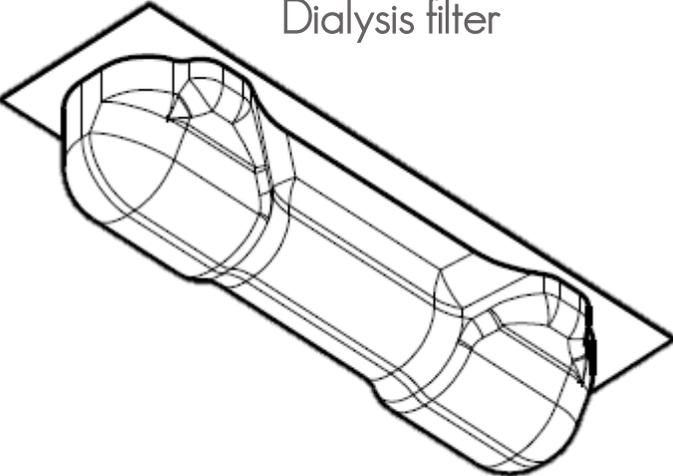
TOP QUALITY FORMING TECHNOLOGY:

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.**

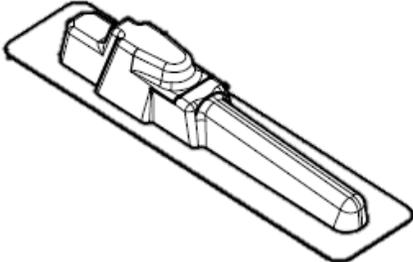
DIE CONFIGURATIONS

Customized solutions available

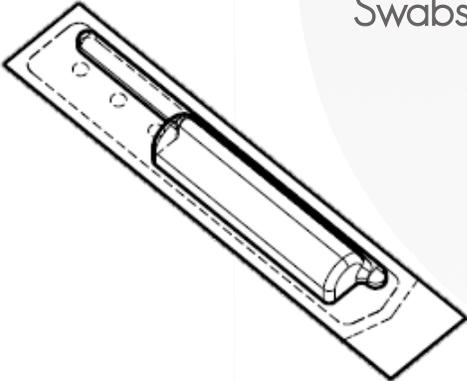
Dialysis filter



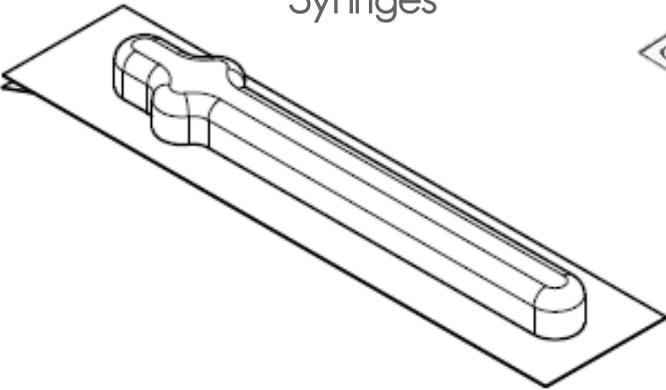
IV Cannula



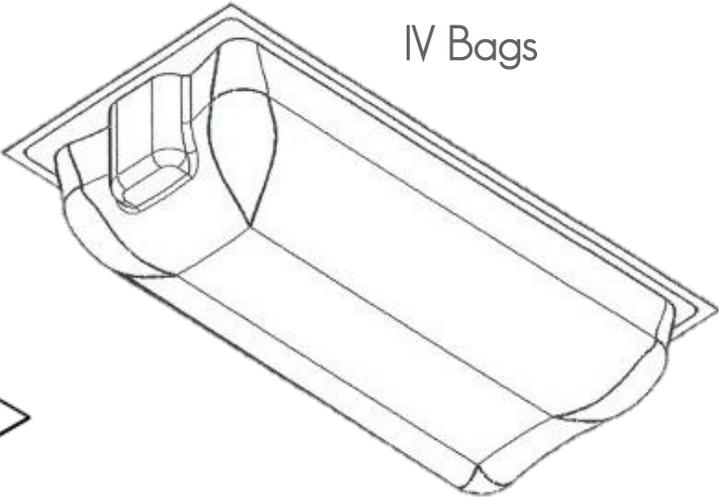
Swabs



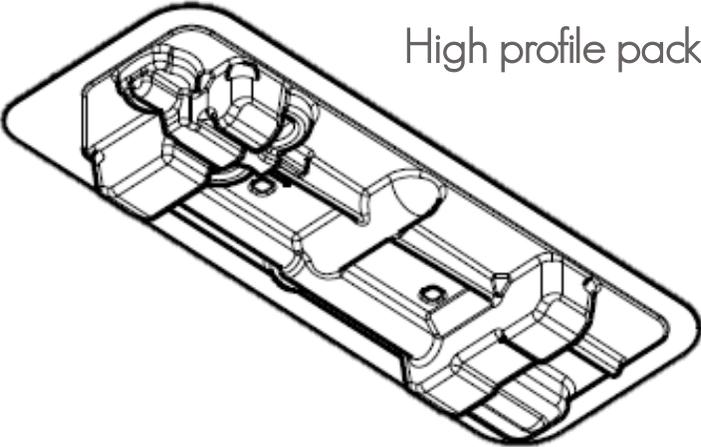
Syringes



IV Bags

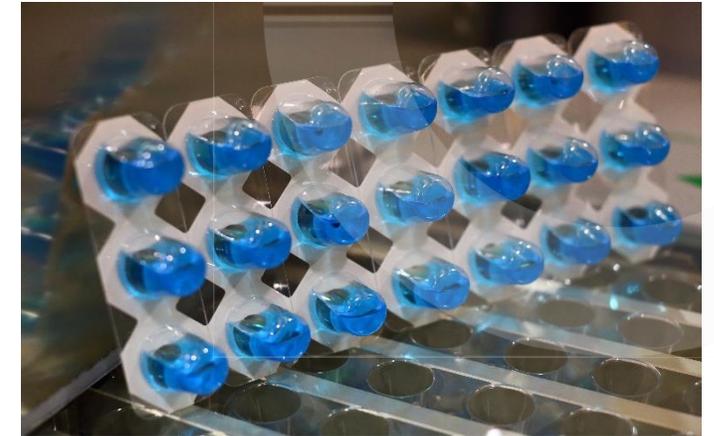


High profile packs



PACKAGING SOLUTIONS for medical disposable:

- Gauzes
- Gowns
- Syringes
- Dialyzers
- Sutures
- Catheters
- Towels
- Swabs
- IV Sets
- Bags
- High Profile Packs
- Dental
- Vials



DEDICATED SHOWROOM & FAT AREA

In order to give all our customers the opportunity to **test** our machinery with **THEIR OWN PRODUCTS**, while appreciating our unique **technical solutions!**



AUTOMATION



COLIGROUP SPA offers **tailor-made solutions** in order to fulfill the most diverse requirements for the packaging of medical devices.

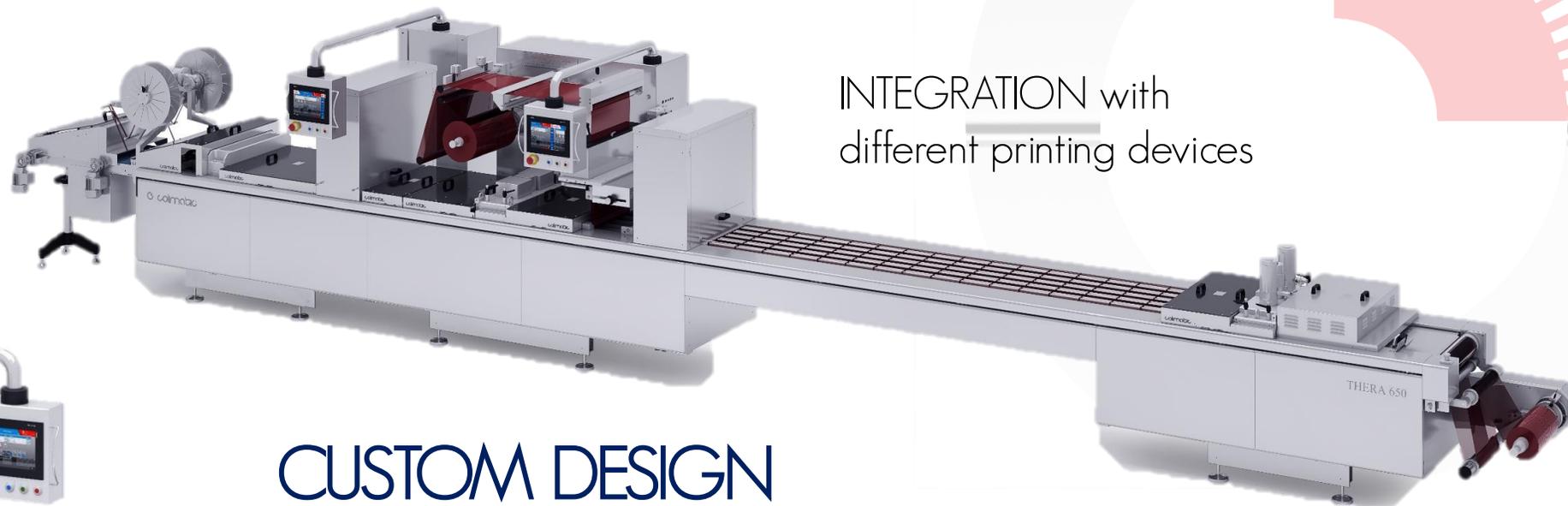
Thanks to the **know-how** achieved with its packaging turn-key project management, with the most renowned companies in the medical field, Coligroup is sure to meet all the most challenging packaging expectations for the retail and industries as well.

AUTOMATION

Bad products rejection system

CFR 21 software

INTEGRATION with different printing devices



CUSTOM DESIGN

OCV/OCR system for features recognition



Dedicated integral cutting systems

AUTOMATION

User-friendly with next generation HMI

INTEGRATION with different printing devices



CUSTOM DESIGN



PICK&PLACE robotic product positioning

Misplaced product detection

ACCESSORIES and LINE INTEGRATIONS

All the lines can be integrated with any kind of additional device which is useful to packaging process.

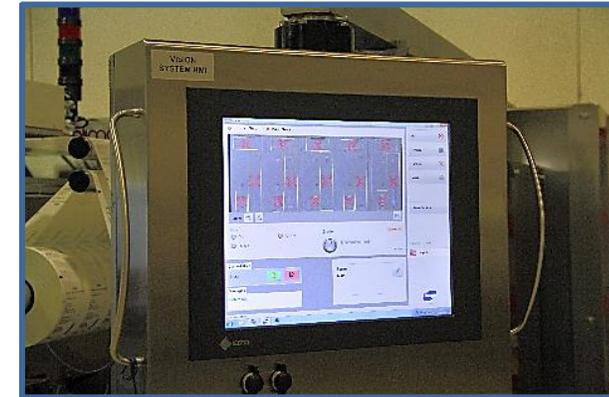
LABELERS



PRINTERS



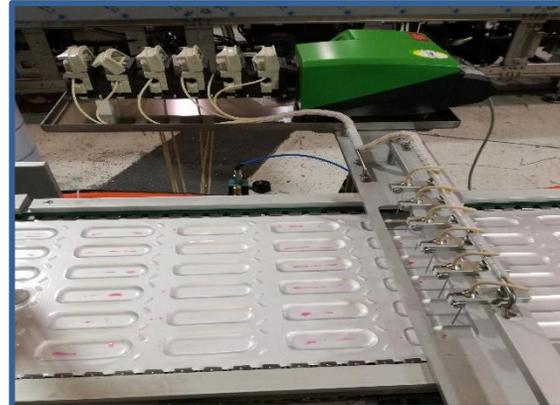
VISION SYSTEMS



ALIGNING SYSTEMS



DOSING SYSTEM

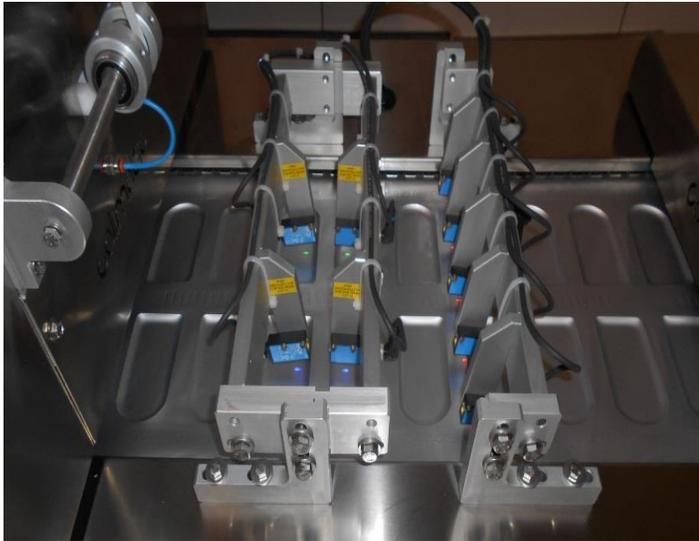


ROBOT for AUTOMATIC LOADING



ACCESSORIES and LINE INTEGRATIONS

MISSING PRODUCT DETECTION



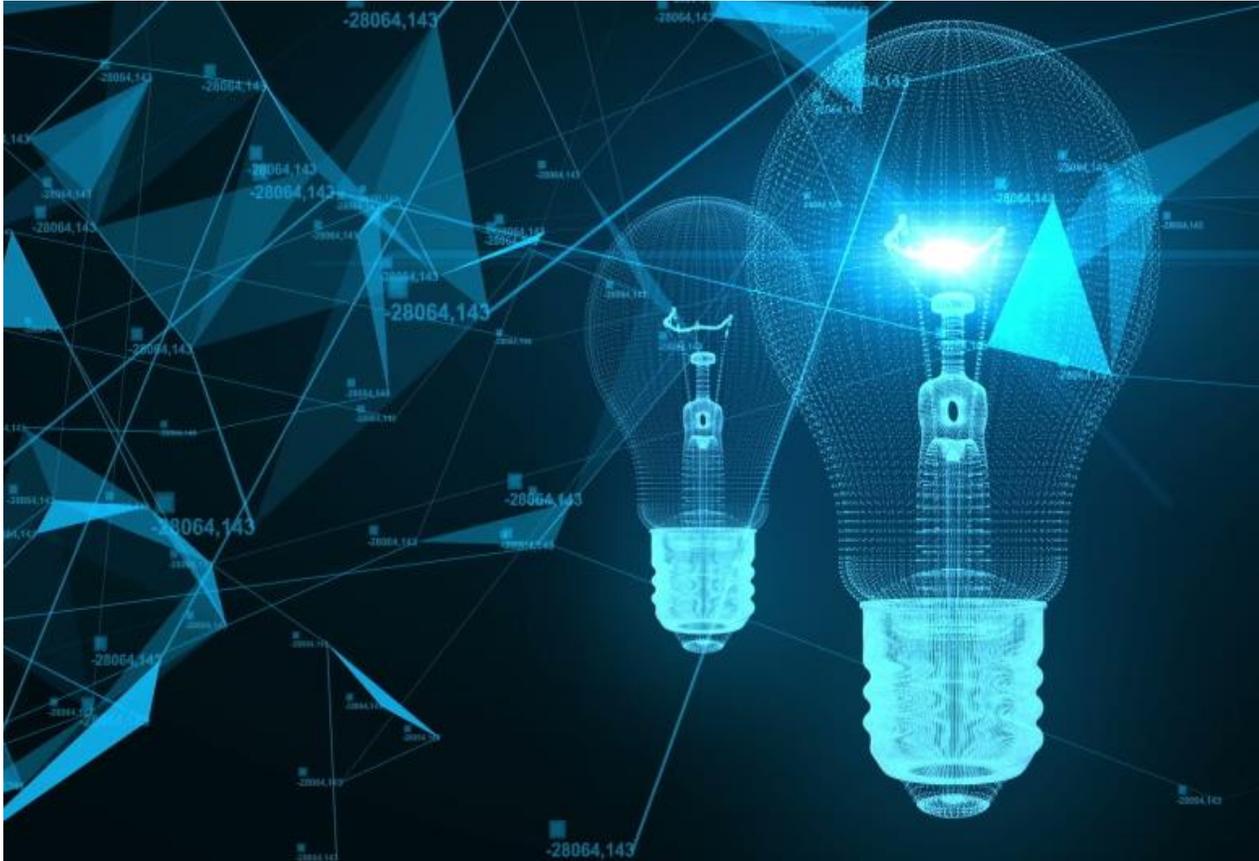
MISPLACED PRODUCT DETECTION



BAD PRODUCTS DISCHARGE



INNOVATION and R&D



Our Research and Development Department has evolved over the years with great attention to details. We are constantly developing new solutions and processes to support our customers.

We work closely with customers to design products that exactly match their specific requirements.

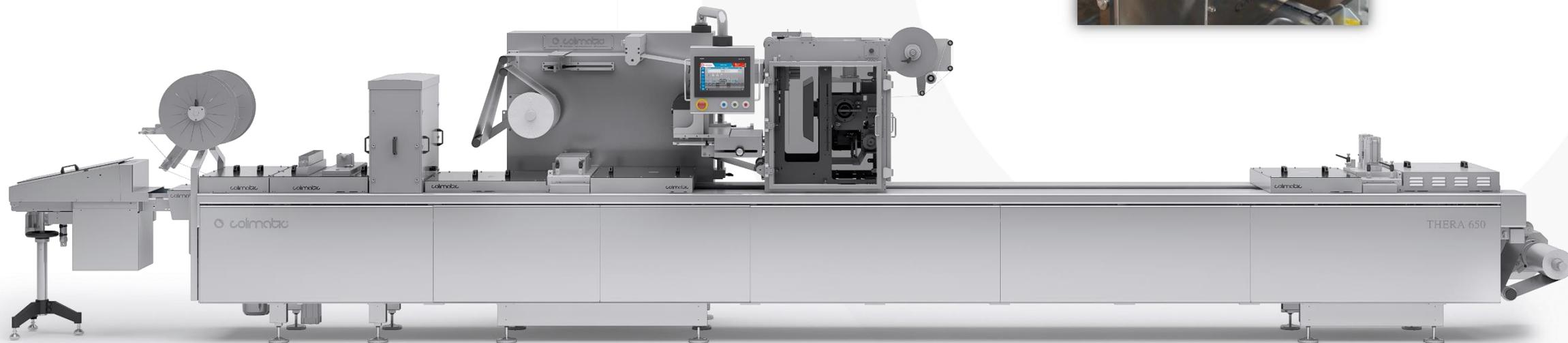
INNOVATION and R&D

THERMOFORMING LINE mod. THERA 650

Terminal sterilization process for Sutures packaging



LESS PACKAGING
SAVINGS ON FOIL
BETTER LOOKING
SMART SOLUTION FOR SURGEONS



PATENT N.202016000005495



INNOVATION and R&D smart solutions

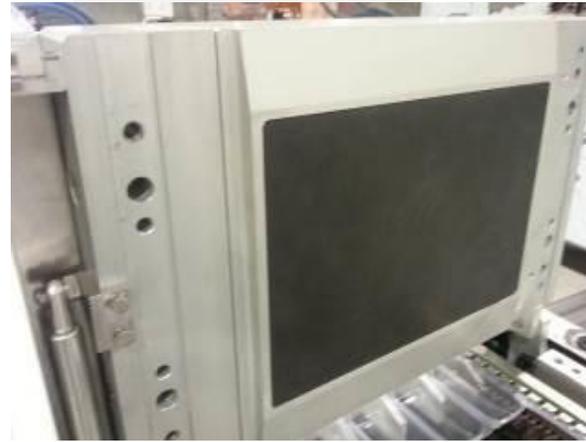
Revolutionary solution to combine the production of different dies dimensions in 1 line

ALL IN ONE
TECHNOLOGY
SMART CHANGE

This is a **Multiple Index line.**

The forming station is COMMON TO ALL INDEXES with SHIFTING SYSTEM to center it in accordance to each position.

The forming station is realized in accordance to the longest index and provided with specific forming frames. The fast and easy **die configuration change** is ensured with handwheel to move the forming and the cutting stations.



VALIDATION SERVICES and DIGITALIZATION



Among the other services, Coligroup can provide full **VALIDATION** documents & testing, aimed to help customers to achieve a proper validation of the lines, in compliance with the Good Automated Manufacturing Practice (**GAMP**).

This qualification will further guarantee that all customer's requirements are fully satisfied.

VALIDATION PROCEDURE PROTOCOL

Fully Validation Documents

The purpose of COLIGROUP Validation documents is to guarantee a **proper functioning** of the machine in compliance with the GAMP 5.

This **qualification** will further guarantee that all the customer's requirements are fulfilled.

COLIGROUP shall supply the following Validation Documentation Protocols and tests in English language

In accordance with

GAMP Procedure

Good **A**utomation **M**anufacturing **P**ractice



CFR 21 software

COLIGROUP offers a unique **software** performed according to 21 CFR PART 11 requirements, where each production batch shall be **traced with the clear indication** of all the events happened and all user interactions, to ensure **traceability** of electronic data.

In accordance with



21 CFR Part 11

VALIDATION PROCEDURE PROTOCOL

VALIDATED ELEMENTS

- 🔄 n.1 Temperature probes and transducers with specific validation document for each element, released by company registered to Accredia organization
- 🔄 n.1 Temperature probes can be easily removed from the machine, for their validation
- 🔄 n.1 Holes on forming and sealing station, to control the efficiency of the probes in place
- 🔄 n.1 HMI with specific Offset page



DIGITALIZATION: 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



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

«Our customers' success is our mission!»

SMALL
ENOUGH TO LISTEN
BIG ENOUGH
TO SERVE!

Thank you for your attention!



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