

# VersaFilm® Range

## Seamless Shrink-Wrapping

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- Modular design
- Brand new user interface
- Up to 90 cycles per minute (PET bottles), 120 cycles per minute (cans)
- Low and easy maintenance
- Film only/tray/pad/U-board/honeycombed packs/stacked packs
- Automated changeovers
- Energy efficient



# Shrink Film & Packaging

## Shrink Film

### CHARACTERISTICS:

- Low-density polyethylene (LDPE)
- Print registered or neutral
- Thickness: from 20 to 80 microns (0.8 to 3.2 mils)
- Recycled or biodegradable
- Maximum reel diameter: 500 mm

### ADVANTAGES:

- Economic solution
- High resistance to variations in humidity
- Tamper evident
- Transit packaging or SRP (Shelf Ready Packaging)
- Easy transportation and storage

## Primary Packaging



Plastic bottles



Glass bottles



HDPE bottles



Aseptic cartons



Cans



Tins/jars



Cluster packs



Containers



Small bottles



Cartons

## Secondary Packaging



Neutral shrink-wrapped pack



Printed shrink-wrapped pack



Tray + film



Pack with corrugated pad



Promotional pack



Pack with U-board



Pack with stacked trays



Pack with stacked products



Reinforced pack

### HONEYCOMBED PACKS

- Unsupported pack with improved stability
- Cost savings on packaging materials (no corrugated board)
- Improved pallet stability
- Increased production efficiency
- New packaging concept
- Reduction in forklift truck operations (safety)

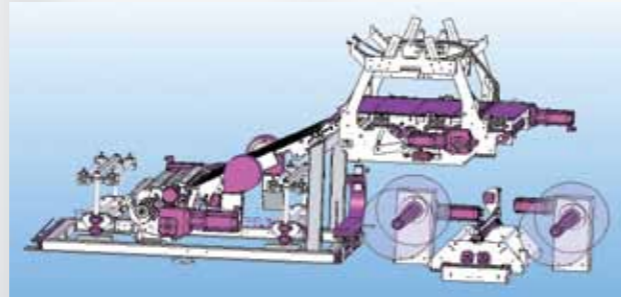




# Innovation and expertise devoted to fulfilling your requirements

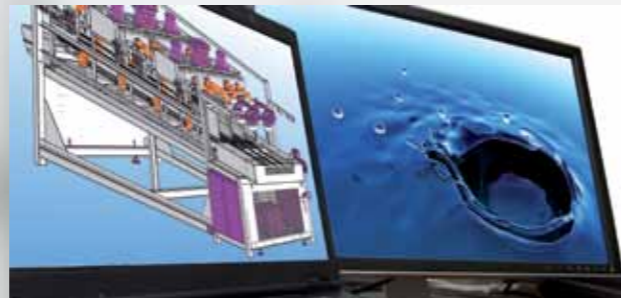
## MODULAR ARCHITECTURE

The design of the range in standard independent modules offers numerous advantages linked to reduction in costs and lead times during the manufacturing phase and throughout the machine life cycle. Further advantages in terms of versatility by integrating a selection of additional equipment/functions.



## ECODESIGN AND SUSTAINABLE DEVELOPMENT

Each new machine development is in line with an ecodesign and sustainable development program to offer optimal machine performance while reducing the ecological impact in terms of energy consumption and environmental protection.



## ACCESSIBILITY AND ERGONOMICS

The clean design of the machine improves access to all elements. It guarantees higher overall productivity and easier maintenance. Daily machine operation is also simplified and operator working conditions are improved.



## FLEXIBILITY / MULTI-FORMATS

Motorization of adjustment points, automation of format changeovers via the HMI, versatile product selecting systems, reduction in change parts and easy dismantling of certain modules and equipment all contribute to optimizing ergonomics and format changeover times.



## MAINTENANCE

Reduction in overall number of parts and components, easy dismantling of belts and machine organs, transmission chains replaced with servo-motors... Our machine design principles focus on optimizing maintenance operations.



## CONTROL ARCHITECTURE

The user interface, PLC and axis cards making up the control system are all sourced from the same supplier for increased performance and simplicity. Plug & play component replacement with automatic firmware upgrade and program upload.



## PRODUCT HANDLING AND PROTECTION

Numerous fittings guarantee products are protected at all times: rollers integrated into the guiding lanes, sensors to detect fallen products, motorized conveyor with nose bar for transfer zones, flight bars positioned outside the label area, etc...



## HUMAN MACHINE INTERFACE (HMI)

The HMI controls production functions and machine parameters via intuitive and ergonomic navigation with 3D depiction. Touch-screen integrated into a suspended, articulated, ultra-thin control panel. Modem link for remote diagnosis and assistance with broadband or dial-up access.



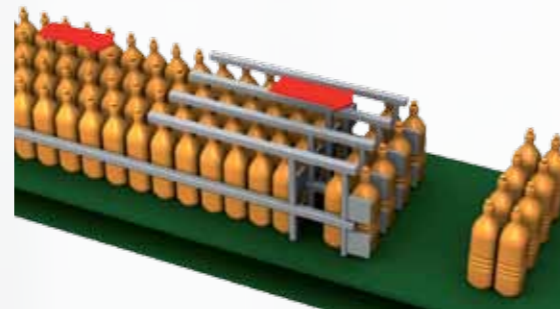


# Product Collating Systems

## UP TO 40 CYCLES/MIN

### PNEUMATIC SELECTION CHANNELS (CLP)

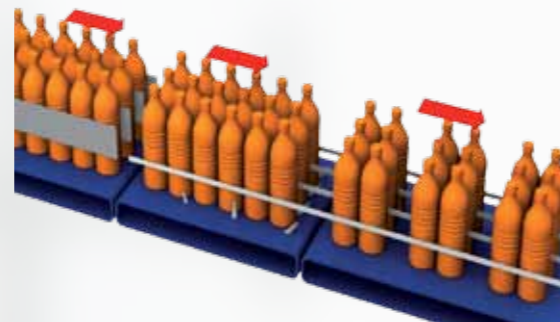
- Perfect product guiding by lock chamber system
- Designed to handle all types of products and collations
- Quick, easy, tool-free format changeovers by 2 manual adjustments
- Economic solution for low speeds



## FROM 30 TO 120 CYCLES/MIN

### PIN-GATING SELECTION (SDI)

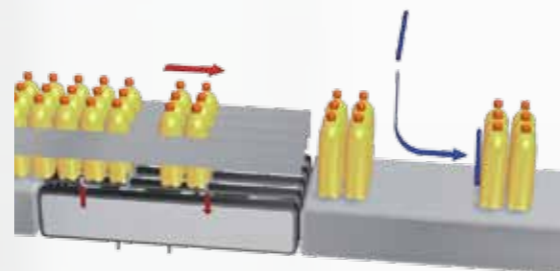
- Individual module adapted to each product collation
- No mechanical adjustments depending on formats
- Simplified maintenance
- Solution suited to unstable products
- Solution designed for high speeds



## FROM 30 TO 120 CYCLES/MIN

### REGULATED FLOW SELECTION (SFR)

- Fixed module accommodating products in different collations and of varying diameters
- Servo-driven adjustment system for products with diameters from 55 to 124mm
- Reduced maintenance operations and costs



## UP TO 60 CYCLES/MIN

### DIAGONAL INFEEED (CCO)

#### Patented System

- Compact single file solution avoiding lane distribution
- Continuous infeed for optimum product and label protection
- Selection by lateral fingers adapted to each collation and easily dismantled during format changeovers
- Handling of specifically-shaped products (ovoid, square with rounded corners, etc.)
- Maximum accessibility to operating parts



# Film Handling and Lapping

## EXTRACTIBLE COMPACT TABLE

### Increased efficiency, easy maintenance and reduction in costs

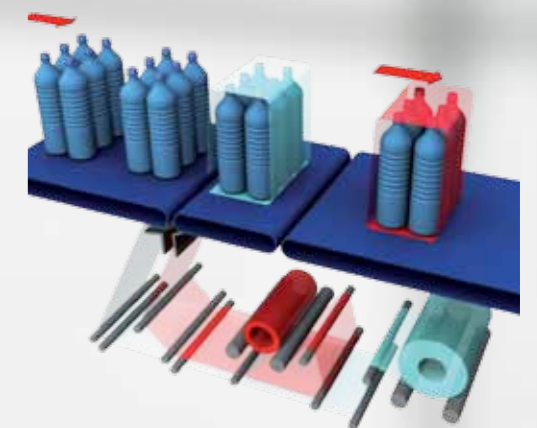
- Film fed in by direct injection (<60 cycles/minute) or vacuum table (>60 cycles/min)
- Factory settings requiring no future adjustments whatever the film thickness
- Fully automated adjustment to variations in film thickness (from 20 to 80 microns, 0.8 to 3.2 mils) as film is held uniformly along the whole width of the table
- Servo-driven
- Anti-static generator and bars to neutralize electric charges and guarantee optimal protection
- Table and dancing roller easily extractible
- Easy ergonomic access to the knife with quick release system



## DUAL INJECTION SYSTEM (DIS)

### Patented system

- Automatic film reel changeover without production downtime
- Film preparation during concurrent operations by operator
- Saving in time increasing overall line efficiency
- Reduction in accumulation conveyors upstream
- Improved machine efficiency at high speed



## LAPPING

- Film guided under the batch and cut on the fly
- Film lapped around the batch in single, dual or triple lanes (option)
- Film thermally sealed under the pack
- Lapping arm height adjustable to batch size





# Shrink Tunnel

## ENERGY SAVING

- Optimization of air circulation and improvement in insulation inside the tunnel contributing to a significant reduction in energy consumption and costs
- Modular unit with 2 to 5 turbines, depending on the required speed (up to 120 cycles/min)
- Gas-fired tunnel option contributing to reducing energy costs and carbon footprint



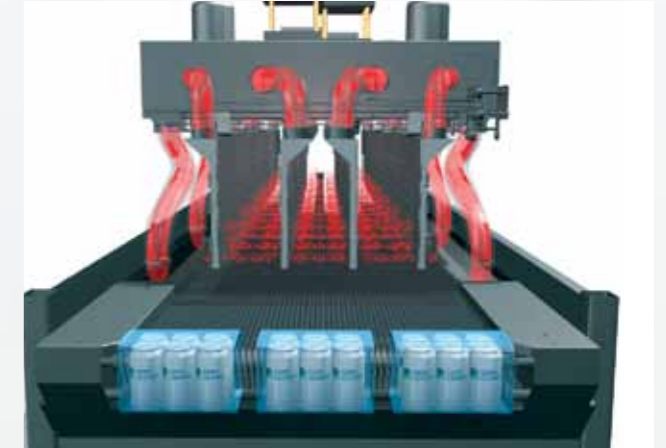
## SAFETY AND ERGONOMICS

- Housing with reinforced external insulation for greater security during operation and maintenance
- Easy access to adjusting air circulation inside the tunnel via installation of digital counters (motorized adjustments on the multi-channel tunnel)
- Secure positioning of the electrical cabinet under the tunnel outfeed



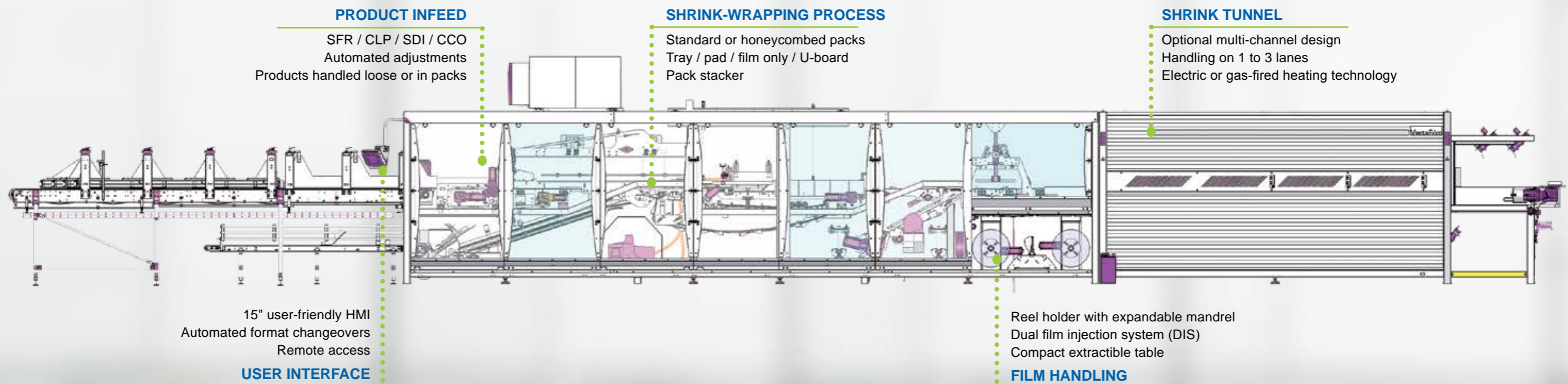
## HIGH-QUALITY FILM SHRINKAGE AROUND THE PACK

- New multi-channel shrink tunnel specially designed for multi-lane applications (optional)
- Shrinkage optimized by separate control of airflow per section



## TROPICAL PACKAGE

- Optional cooling system designed for high temperature production environments
- High-performance air conditioning units
- Conditioning units behind the operator panel
- Fine particle filters on electrical cabinet aerators



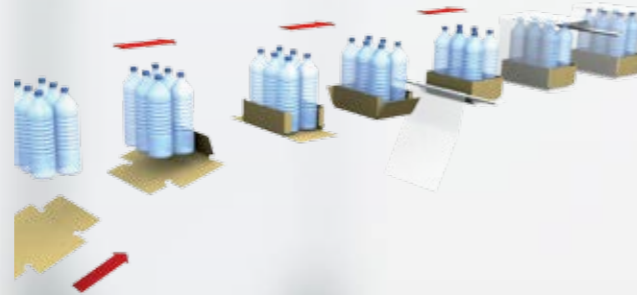


# Additional Equipment

SIMPLE INTEGRATION OF ADDITIONAL EQUIPMENT THANKS TO THE MODULAR DESIGN OF THE VERSAFILM® RANGE:

## MODULES FOR CORRUGATED SUPPORTS (P AND T)

- Independent industrialized module for loading products onto corrugated trays (T), U-board and Pad (P) prior to shrink-wrapping
- Reliable extraction by motorized arm fitted with 2 suction cups
- Extended magazine for increased autonomy up to 90 cycles/min
- Option: corrugated blank magazine positioned 15° off course from the infeed conveyors combining accessibility and easy layout



## FILM ONLY, CORRUGATED TRAY OR PAD ON THE SAME MACHINE

- Total flexibility according to your distribution network requirements: no support (film only), pad+film, tray+film
- Positive transfer of products and pads by using an exclusive bypass belt system, more secure than the traditional system of dead plate between bracket chains
- Quick and easy changeovers by motorizing the conveying belt. Tool-free changeovers by one operator in 15 minutes maximum.



## EASY-OPEN PACK

- Film perforation system to tear the pack open more easily
- Pack remains rigid
- Effortless opening
- No reduction in speed



## PRODUCT AND TRAY STACKER

The versatility of the application gives rise to a wide range of packaging solutions offering both packaging cost reductions and additional concepts in terms of storage and transportation.



## INTEGRATION OF ADDITIONAL FUNCTIONS

- Ink jet coding
- Labeling
- Brochure insertion
- Leaflet insertion
- Handle insertion
- Pack dividing



# First in line

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In a complex industry where know-how is everything, Gebo Cermex is formed from the union of two strong brands: Gebo & Cermex, gathering packaging line engineering experience across a range of market segments from beverages and food to pharmaceuticals, via home and personal care.

For over half a century, our experts have improved the performance of production and packaging lines in some of the most demanding industries.

Today **more than 37 000 equipment and systems installations bear our signature**. We add value to our customers' business in four dimensions, from equipment design and manufacturing to line engineering, services and asset performance.

Gebo Cermex, headquartered in Strasbourg, France is a people-centric organization with **1800 employees and over 20 commercial and manufacturing sites** in all major regions around the world.

**No-one knows packaging lines like we do. We are first in line.**

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