



ROBOTICS

CONTAINER HANDLING

State of the art end-of-line equipment manufacturer

Innovate to answer your needs

HEAVY MATERIAL

CUSTOMIZED EQUIPMENT

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FEGE help you to improve your productivity and reduce manufacturing costs with innovative solutions.

COMPANY



- More than 20 years of know-how
- More than 70% of export sales
- Leader in the food and beverage industry
- Member of the NSC group

KNOW-HOW



- 100% in-house design in mechanics, electrics, automation and robotics
- Integration of the newest standards (hygiene, safety and environment)

MACHINES



- Premium robotized and automated solutions
- Heavy-duty and durable machines
- 100% Made in France
- Turnkey and customized system

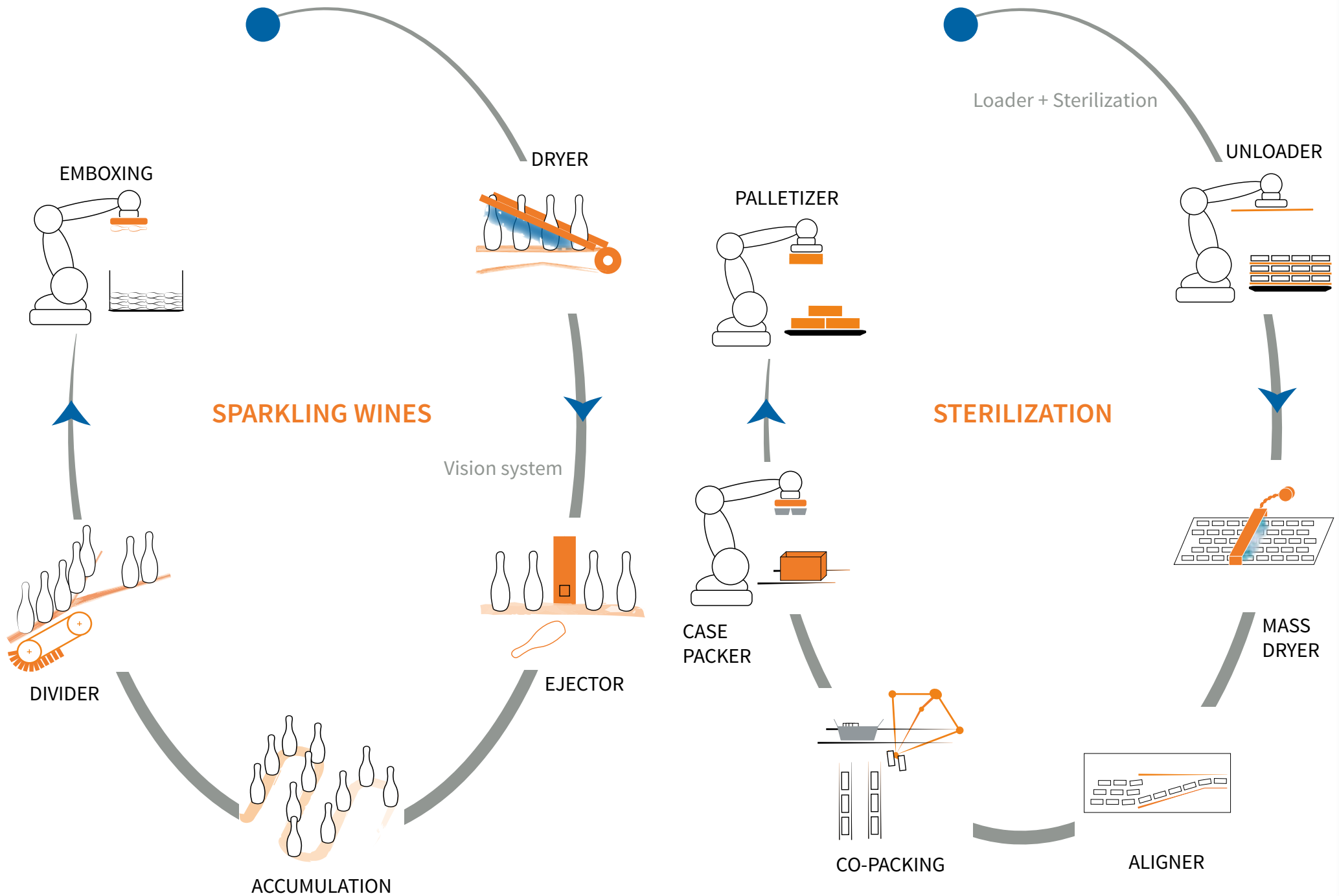
SOLUTION



- In-house project management
- From design to training we manage all aspects of your project

Develop together the answer to tomorrow's demanding manufacturing needs !





ROBOTICS EQUIPMENT

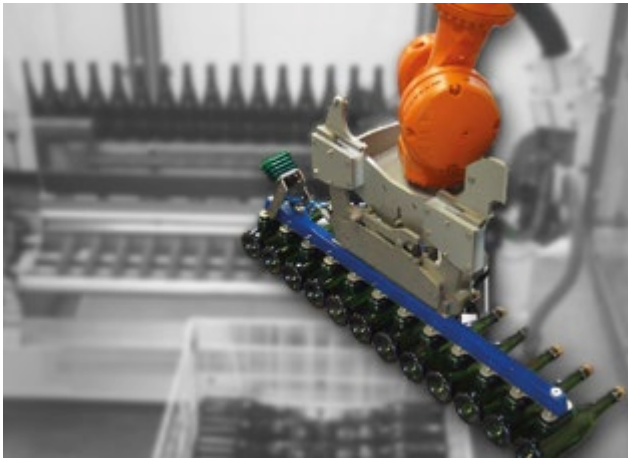
- KUKA, FANUC, ABB and Delta robots
- Up to 1000 kg payload
- Speed rate set to your line
- Reduced power requirements, low noise emissions, minimum footprint

QUICK AND EASY

- Poka-yoke design : easy format and tool changeover
- Quick changeover to increase flexibility
- User friendly

VARIOUS APPLICATIONS

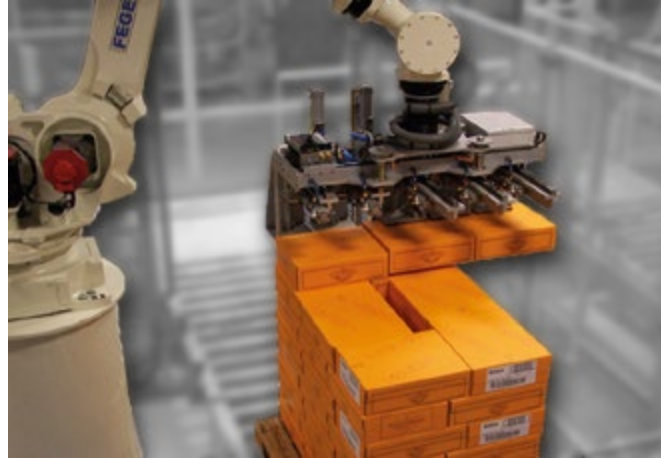
- Single unit products, secondary packaging and layers
- Multipurpose tool handling
- End-of-arm tooling : shovel, grip, magnet or vacuum



EMBOXING / DEBOXING / TRANSFER

Handling in sparkling and still wine process

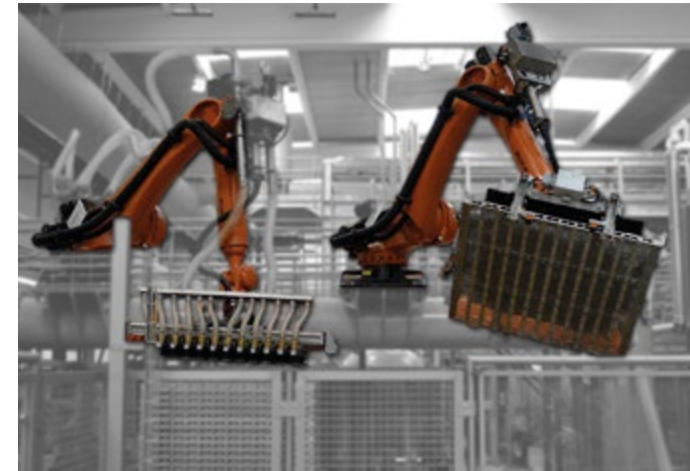
- Robotized station to pick up and unload glass bottles
- Speed from 2000 to 22000 bottles/hour
- Unique solutions to changeover product size in a very short time



PALLETIZATION / DEPALLETIZATION

Quick management of stock

- Depalletizer of empty glass bottles, PET bottles and various packaging with multifunction gripping tool
- Palletizer of packs and cartons, picking up a row of products or a complete layer with use of our preparation tables
- Upstream and downstream devices issued from our range of conveyors



LOADER / UNLOADER

Suitable for sterilization process

- Robotized station to load and unload products
- Versatile tool to stack and destack trays
- Heavy load conveyors and shuttles carrying trays



Handle a wide range of packaging formats !



CASE PACKING / DECASER

Robotized station for packing and decasing products in box

- Handling of single unit products or layer of products, packed in cartons or punnets
- Preparation tables building up layers of products
- Large selection of robots including delta robots



DELTA PICKER

Quick pick and place of small items

- Precise handling of light products
- Products accurately placed into cartons or onto conveyor
- Very high-speed picking and packing



CO-PACKING

Robotized station to mix various products

- Multifunction tool : product depalletization, packing in cartons and then carton palletization
- Assembling assortments of products with high-speed packing
- Fully automated functions with conveyors and preparation tables

INNOVATIVE END-OF-LINE SOLUTIONS

- Suitable for single unit products, rows of products, all container shapes and materials
- Robust and reliable frame
- Machine built up according to latest safety standards

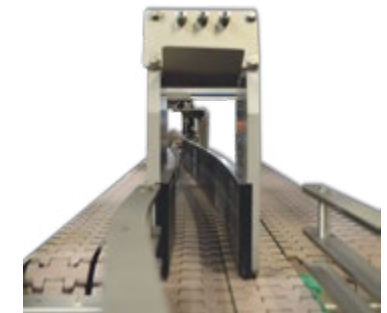
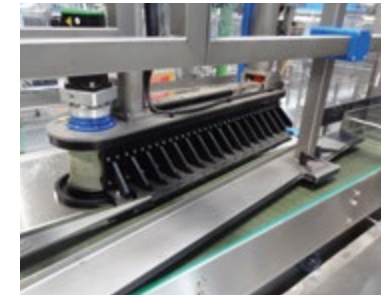
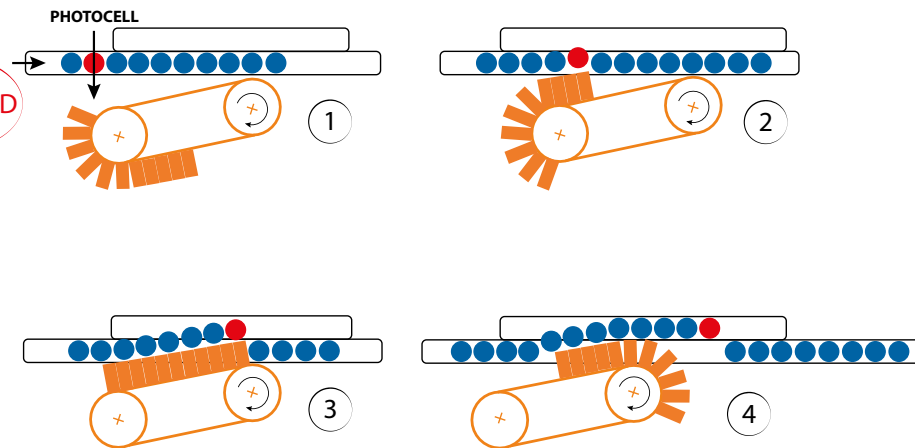


DIVIDER - TRAINTONIC

Splitting a flow into several lanes

PATENTED

- Patented concept distributing a flow into several lanes (from 2 to 12 lanes and more)
- Distribution without stopping the flow of products
- Simple pulley system with low maintenance
- Reliable high speed machine
- Quick and easy size changeover

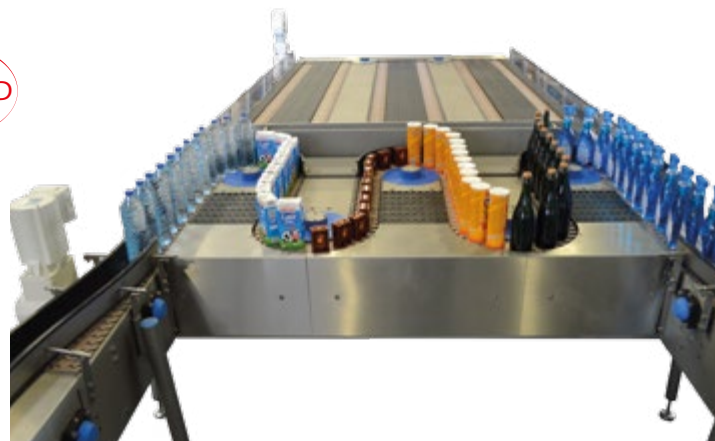


ACCUMULATION - ACCUTRONIC

Buffering flow variations

PATENTED

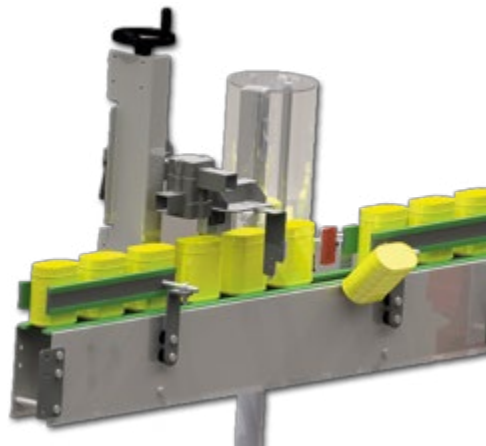
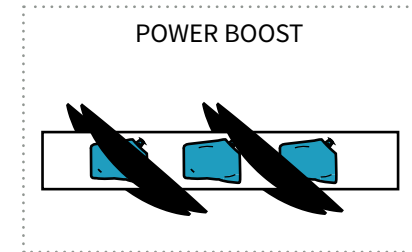
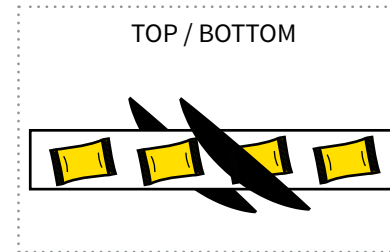
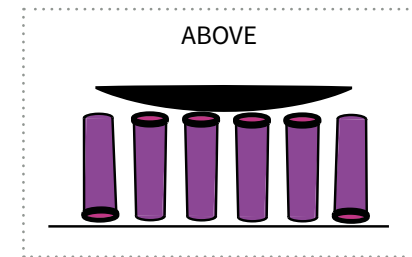
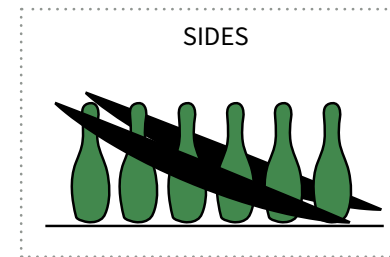
- Patented concept buffering into single lane or mass flow
- Pressure-less accumulation
- FIFO system
- Up to 70 meters of accumulation



DRYER

Several dryer concepts depending on your request

- Single lane or mass flow drying : sides, above, top and bottom
- Efficient blower producing 500km/h air speed
- Perfect result upstream labelling or packaging machine
- Sound insulation included



EJECTOR

Wide range of vision and ejection machines

- Pneutronic ejector : economical ejection solution using pneumatic cylinder
- Jetronic ejector : master the thrust by mean of a brushless motor. Also appropriate to divide a flow.



ALIGNER

Conveying from mass products to a single lane

- Conveyor multi-motor driving enabling chain speed differential
- Lateral guides lining up bulk products



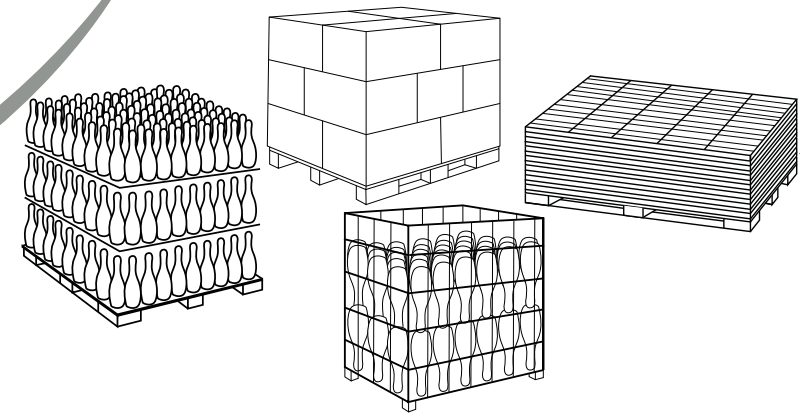
CONVEYORS

Various adjustable and robust conveyors

- Conveying primary packaging types (single unit, wrapped, in carton...) and secondary packaging types (pack, case...)
- Conveyor types : slat chain, roller, mesh conveyor...
- Preparation table, turntable and lifting table

LONG-LASTING AND CONVENIENT END-OF-LINE SOLUTIONS

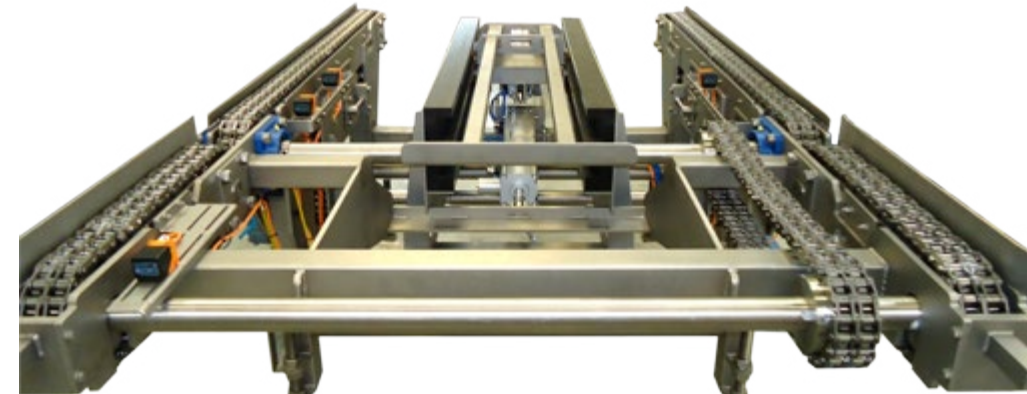
- Conveying heavy loads : pallet, tray and wire crate
- Available for your specific load (length, width, height, spacing...)
- Reinforced frame for long-life duration
- Simple mechanics with low maintenance



PALLET CONVEYOR

Various options for pallet and large container

- Twin-chain or triple-chain conveyors
- Roller conveyors
- Turntable
- Shuttle
- Empty pallet Stacker / Destacker
- Full pallet Stacker



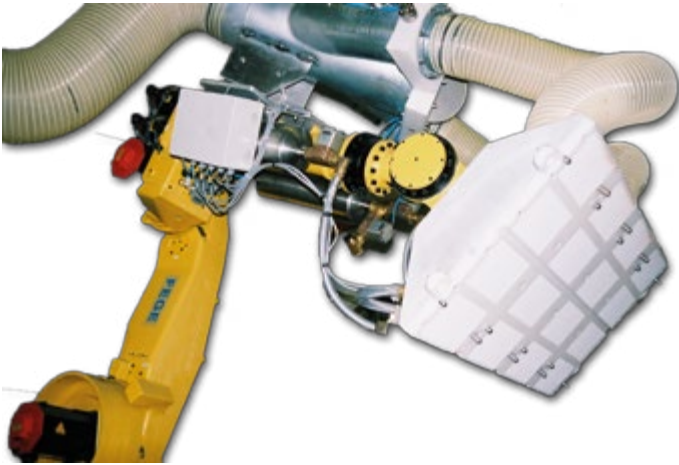
STERILIZATION CONVEYOR

Complete range to handle sterilization tray

- Twin-chain or triple-chain conveyors
- Turntable
- 90° transfer
- Shuttle
- Specific module to load and unload sterilizer

COMPLEX PROJECTS AND SPECIFIC REQUESTS

We study your special requests in **robotics and handling** and offer **innovative solutions** meeting your expectations.

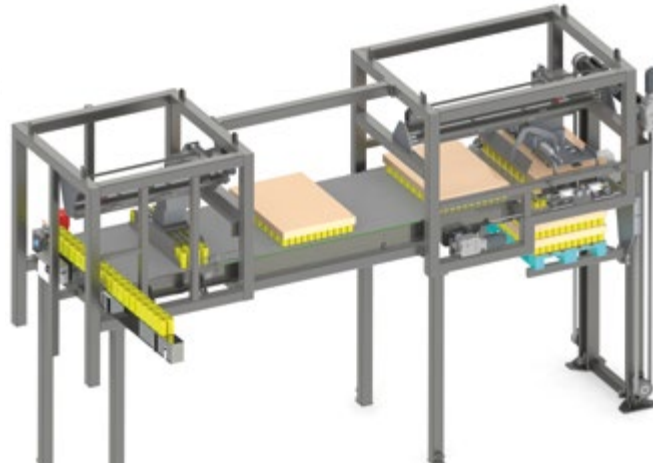


Your request :

To load wafer fingers, beforehand cut from books, into moulds filled with chocolate.

Our solution :

- An operator loads the magazine with books.
- Automatic cutting with wires and digital pushers.
- Wafer fingers are precisely positioned onto a specific table.
- The robot picks wafer fingers on the table and loads them into moulds.

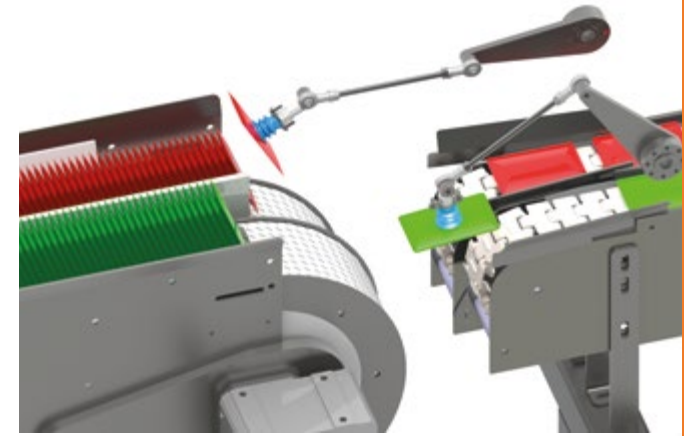


Your request :

Palletizing and depalletizing empty food boxes, creating a buffer between box manufacturing and box filling.

Our solution :

- Specific palletizer and depalletizer.
- Adapted to high speed and lightweight products.
- Instant product size changeover by means of digital technologies.



Your request :

Pick up two different flavour pouches, then pack those stand-up pouches into cartons.

Our solution :

- An operator loads by hand two conveyors.
- Digital extractors are in charge of : extraction, standing up, unloading and weighing.
- A delta robot loads the two flavours into cartons.



FEGE offer personalized solutions according to your needs.

ENGINEERING



- Turnkey solution : global engineering according to your specifications
- Optimized machinery design
- On-site training
- Worldwide support

AFTER SALES SERVICE



- Equipment efficiency preserved by dedicated team
- Tailored solution
- On-site or remote support
- Support to your maintenance program

SAFETY, HYGIENE AND ENVIRONMENT



- Meeting latest standards (materials, electrics, safety...)
- Optimized environmental impact
- Ergonomic machine design

AND MORE



- Upgrade of existing machines to latest safety and efficiency standards
- Line dismantling
- Line relocation
- And other services available on request...

They trust us.

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Innovate to answer your needs



A global entity gathering Pakea, Monomatic and Fege companies.
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More info on our websites.



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