



**b** Your.  
**business**  
Solutions





DEPALLETIZATION  
CONTAINER PROCESSING

FILLING  
CLOSURE  
VACUUM CONTROL

VIBRATING FILLING  
PRESSING  
VACUUM FILLER

PASTEURIZERS  
AUTOCLAVES  
BASKET LOADERS  
& UNLOADERS

PACKING  
PALLETIZERS

Complete turnkey lines  
for the **Food Industry**

**Your Needs,**  
**Our Job!**

## Technology & Quality: Packaging the Future

**FBL has been operating in the food industry market for over 50 years**, and is a leading company in the design and manufacturing of machines and Innovative Solutions for the food industry.

Thanks to **its know-how** the company can offer a wide range of machines, entirely made of stainless steel, capable of meeting all market requirements.

**The portfolio includes: depalletizers, lowerators, blowers, fillers, dosing machines, capping machines, washing machines, pasteurisers & Cooling Tunnels, Retorts and Handling, vacuum detectors, conveying solutions and Palletizers**, for use in the packaging of **dense or semi-dense products** (like preserves, jams, mayonnaise, honey, tomato paste and purée, sauces and tomato sauces, etc.), **liquid**

**products** (like juices, etc.) **or solid chopped products** (like pickles, olives, cucumbers, etc.) **in glass, plastic and metallic containers.**

**Our fifty-year experience**, our high level of **professionalism** and our effective **after-sale service ensure that our machines keep running reliably along time, to meet the customer expectations in terms of day-to-day productivity, growth and innovation projects.**





# Depalletization and containers treatment

## Depalletizers

Machines designed to **depalletize glass, plastic and metallic containers with any shape and dimension.**

The portfolio includes semi-automatic and automatic solutions, low and high level, traditional and robotic.

### Our Solutions:

- Depalletizers with fixed pallet or movable pallet-
- Sweeping Head with self-adjustable & centring guides, Magnetic Heads or Vacuum

Heads.

- Multifunctional Robotic Solutions.

### Output:

- from 1.000 to 60.000 bottles and 160.000 cans per hour.





## Containers processing technology

**Machines designed for the internal cleaning of empty containers** before the filling phase, or for washing and drying closed containers after filling.

**The range consists of a universal pad blower, Pre-heating Tunnels, washing tunnels** for filled and sealed containers and **drying tunnels** for filled containers.

The blower can blow the interior of the containers, or wash it, as needed, to ensure that their interior is thoroughly cleaned. Available in different

versions according with the treatment to be used for the insufflation of: filtered air, sterile air, water and steam. The format changeover can be realised automatically by the HMI.

### Our Solutions:

- Twist Blower
- Pad Blower
- Pre-Heating Systems for empty containers
- Washing System for closed containers



# Filling, Closing and Vacuum detector

## Linear Dosing machines

**Dosing and filling linear machines** for liquid, semi-dense, dense and solid products..

### Our Solutions:

- Linear piston dosing machine
- Linear mass-flow dosing machine
- Linear flow meter dosing machine

### Output:

- From 1.200 BPH to 9.000 BPH



## Rotary Piston Fillers

**Dosing and filling rotary machines** for liquid, semi-dense, dense and solid products..

### Our Solutions:

- Rotary piston Filler

### Output:

- From 9.000 BPH to 36.000 BPH





## Monobloc

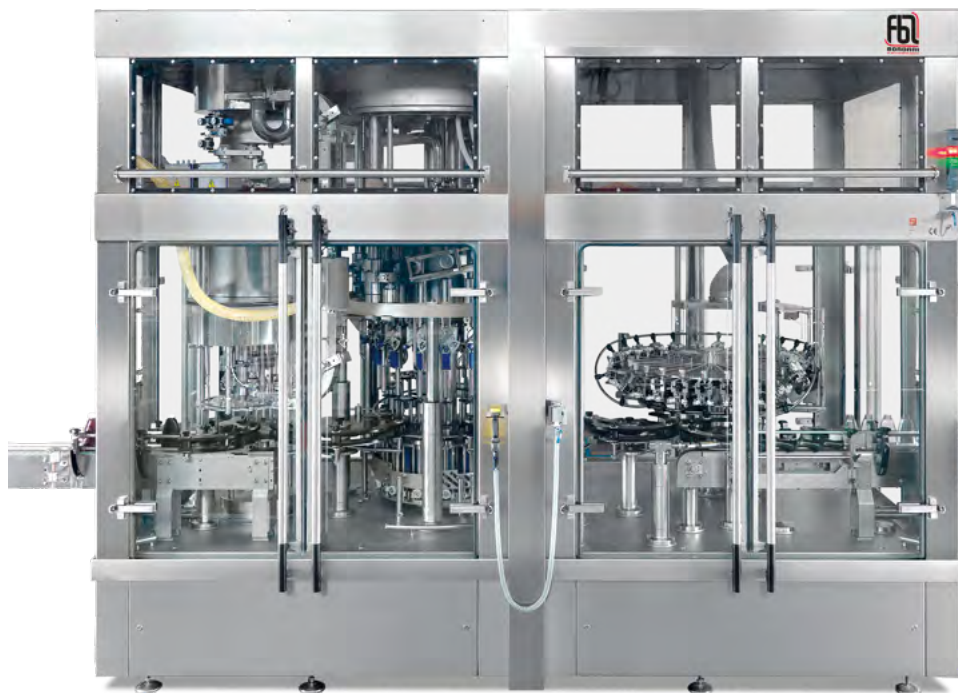
The Monobloc is a **combination of machines**, which allows the various phases of: **blowing/rinsing – filling and closing** to be centralized on a single base.

**We can handle different**

**types of containers** both in plastic, metallic and glass that could be cylindrical or shaped..

### Output:

- From 9.000 BPH To 36.000 BPH.



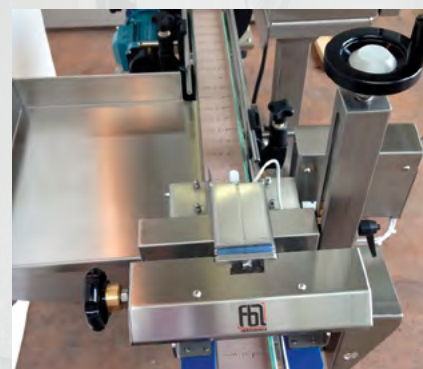
## Automatic Capping machines with steam injection

The range includes **different models of machines**, according to the production requirements.

The **automatic Capping machines** are suitable for the vacuum closing of glass jars and bottles, equipped with Twist-off and Press-on Twist off metal cap of different sizes and type, by steam injection in the head space.

### Output:

- Up to 36.000 BPH



## Vacuum and caps detector

Equipment designed to check improperly sealed containers – “non-vacuum containers” and the absence of cap in containers closed by a twist-off type metal cap with safety button..



# Vibrating filling, Pressing machine and Vacuum filler

## Vibration Filling

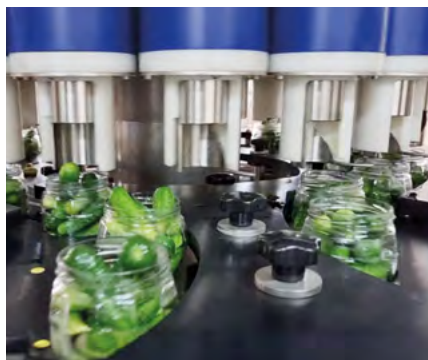
**Linear vibrating machine designed to fill glass and plastic containers or metal cans with solid products** like olives, capers, spring onions, baby artichokes, mushrooms, gherkins, mixed pickled vegetables, etc., entirely made of stainless steel AISI 304, with parts made of st.st. AISI 316 if in contact with products containing salt and/or vinegar.



## Pressing machines

**The pressing machines are designed to push downward the product overflowing from the container rim** (metallic and glass containers). This ensures trouble-free container sealing.

**The number of heads varies according to the customer's production requirements** and to the type/size of the container to be processed.





## Rotary Vacuum filler

The rotary vacuum filler is a machine designed for vacuum filling of glass, metallic and plastic containers with liquid products like oil, vinegar, brine, syrups and sauces.

It is a high-technology system providing absolute reliability and exceptional duration even in heavy-duty conditions.



Once the filling phase is completed, the closing systems come into action to complete the packaging of the containers.

**Capping machines, corking machines and seamers** guarantee a safe, hermetic closure suitable for the type of cap or capsule required by the product.





# Pasteurizers, Autoclaves Basket Loaders & Unloaders

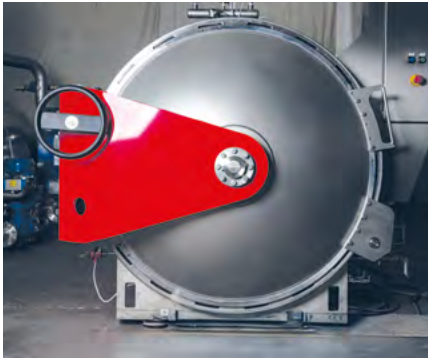
## Pasteurizers / Cooling Tunnels

The pasteurizers/coolers are automatic machines designed for the pasteurization and/or cooling of products already packaged in glass, plastic and metallic containers of different size and shape.

They consist of one or more modules allowing to perform the required thermal cycle (container heating and/or cooling) and guarantee the food safety of the treated products.







cycles and air/steam cycles mixed by a fan.

Numerous variants allow for **optimizing water and steam recovery** (SSSP systems) or following the strictest food safety specifications “FDA compliant machine”

## Sterilization autoclave

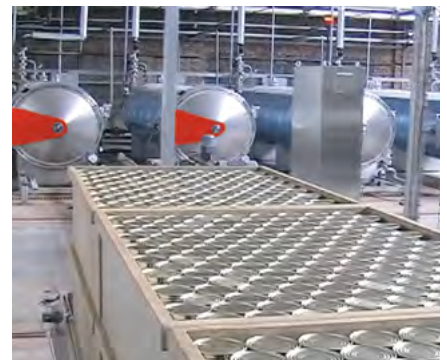
**SteR FL4.0 autoclaves** represent the latest generation of FBL machines capable of sterilizing any type of food product at high pressures and temperatures.

**The SteR FL4.0 project integrates different sterilization processes** in a single machine, such as water spray



## Basket Loaders and Unloaders

The basket loader and unloader is able to **automatically load or unload glass, metal and plastic containers**, of various diameters and sizes, into baskets intended for autoclave sterilization.





# Packing and Palletizers

## Cartoning machines

Our reliable and precise solutions form the packaging and make it ready for both handling and palletization.

### Output:

- Wrap-Around up to 25 cases/min.



## Palletizers

The range includes systems with product feeding from the top or from the bottom, **Traditional or Robotic** suitable for a combined cycle of Palletization/Depalletization.

The multiple picking heads are designed based on required application.

Operating output depend on Customers needs.

### Our Technologies:

- Palletizer with product feeding from the bottom
- Palletizer with product feeding from the top
- Robotic palletizer
- Robotic palletizer + depalletizer system

### Output:

- Up to 7 Layers/min.









# Complete turnkey lines

With over 50 years of experience in the sector, we design and manufacture **Customized Complete turnkey Lines**, combining tradition and innovation to offer high-performance, reliable and flexible solutions.

We cover the entire packaging cycle: **from the depalletization to the filling, from the thermal treatment and the packaging to the palletization.**

Every Solution is designed to guarantee **maximum operational efficiency**, reduce downtime and optimize the use of resources, in full compliance with international quality standards.

Our systems integrate **the most modern automation and intelligent control technologies**, according to the principles of Industry 5.0, to allow real-time management of production, predictive

diagnostics and advanced connectivity between machines and company systems.

**Sustainability is an integral part of our design philosophy.**

We develop solutions that reduce environmental impact through energy efficiency, material optimization and waste containment, contributing to a more responsible production future.







We have been working with leading companies in the food industry for many years, offering a complete SUPPORT: from initial consultancy and solution engineering to installation, up to an efficient after-sales assistance.

**For fifty years we have been building  
tailor-made solutions  
for the future of packaging.**







The machines designed and built by  
FBL are intended, in addition to the  
**National and European markets,**  
also for important foreign markets  
such as

**Eastern Europe,  
Middle and Far East  
North Africa  
Central and South America  
Oceania  
USA**



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