



FLEXIBLE PACKAGING SOLUTIONS





Founder: Pietro Fioravanti in 1964

General manager: Paolo Fioravanti

Head of R&D and Sales: Andrea Fioravanti

Business purpose: Production of horizontal and vertical form-fill-seal machines, automatic packaging lines, multihead weighers and dosing systems

Employees: over 650

Annual turnover – rising trend:
over 180 million Euro annually
~3% investment in research and development

PFM S.p.A. is certified according to UNI EN ISO 9001 2008



SINCE 1964

We bring flexible PFM packaging solutions to the world!

More than 60 years of experience. Over 30,000 machines in operation in 130 countries worldwide.

Stand 2024

PFM is a group of companies

The PFM Group designs and manufactures machines, ranging from product handling from the production line, dosing and weighing, to horizontal or vertical form-fill-seal packaging machines.

The innovations that PFM has consistently offered the market over the years are the result of continuous investment in research and development. Numerous technicians and designers bring together their expertise and experience and share their ideas with each other.

The strength of the PFM Group lies in its innovative ideas, its determination to develop new products and its total commitment to staying one step ahead. The company is well organised, effective and competitive and its goal is to offer always the best.

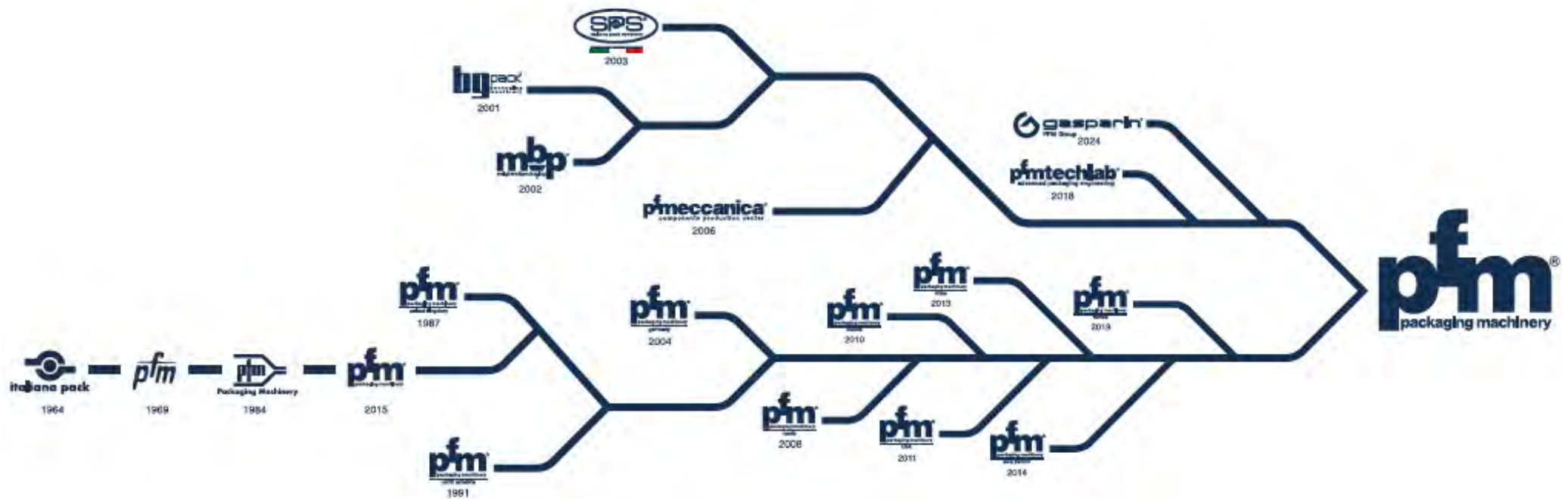
PFM S.p.A. is the parent company of the group and is responsible for administrative, technical and sales coordination of all its companies. Based in Torrebelticino in the province of Vicenza / Italy, it develops, manufactures and distributes horizontal and vertical form-fill-seal packaging machines and automatic packaging lines.

The PFM Group manufactures machines for a wide range of applications in the food industry, as well as for non-food products and for the pharmaceutical and cosmetics industries.

The sales staff coordinates the worldwide distribution of the machines and supports agents and subsidiary companies. Customer service provides spare parts and support in real time - thanks to a large number of technicians and innovative service tools, such as the Teleservice.



PFM Group: our brands



FIELDS OF APPLICATION



Meat and Sausage product

- Salami
- Sausage
- Cold cuts
- Portioned meat
- Ham
- Cubed ham
- Poultry
- Ground meat
- Ready meals
- Hamburger / Hot Dog
- Other meat and sausage products



Liquids and pasty products

- Milk
- Yoghurt
- Water
- Drinks
- Sauces
- Other liquids and viscous products



Cheese

- Mozzarella
- Portioned cheese
- Cut into slices
- Ground
- Cubed
- Other cheese and dairy products



Fruit and Vegetables

- Leaf salads
- Vegetables
- Dried fruit
- Fresh fruit
- Other fruit and vegetables



Fish

- portioned fish
- Mussels
- Seafood
- Other fish products



Powders and granulates

- Milk powder
- Flour
- Coffee
- Coffee powder
- Cocoa / chocolate powder
- Tea
- Tea powder
- Herbal teas
- Other powders
- Sugar
- Seeds
- Rice
- Herbs & spices
- Salt
- Beans & grains (coffee, cocoa, pepper)
- Other granulates



Dough and baked goods

- Spaghetti
- Short noodles
- Macaroni
- Fresh pasta
- Dough (also for sweet pastries)
- Other noodles
- Pizza
- Baguette
- Bread
- Toast
- Rusks
- Breadcrumbs
- Croissants
- Brioches
- Cakes
- Cakes and Pastries
- Bread rolls
- Bread sticks
- Other baked goods



Biscuits, sweets & snacks

- Biscuits
- Butter biscuits
- Standing biscuits
- Waffle
- Other biscuits
- Almonds
- Muesli bars
- Chocolate bar
- Chewing gum
- Bonbons
- Chocolate
- Popsicle
- Other sweets
- Potato chips
- French fries
- Nuts
- Extruded snacks
- Pretzels
- Popcorn
- Other snacks



Doy Pack

- Dried food
- Wet food
- Dentalsticks
- Treats
- Other pet food



Resealable packaging

- Cosmetic wipes
- Cleaning wipes
- Baby towels
- Other wet wipes



Cosmetics, pharmaceuticals & wet wipes

- Gauze bandages
- Syringes
- Medicines
- Bandages
- Blister packs
- Chemical products
- Other pharmaceutical and chemical products
- Washing powder
- Liquid detergent
- Soap
- Other cleaning agents



No-Food

- Boxes
- Filters
- Cups and plastic glasses
- Cutlery
- Wipes
- Sponges
- Cleaning clothes
- Hardware
- Accessories
- Tobacco
- Documents
- Letters
- Cards
- Gaskets
- Caps
- Electrical components
- Other non-food products

PACKS TYPES – HORIZONTAL



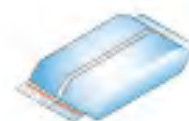
Standard pillow pack



Pillow pack with off set vertical seal



Pillow pack with euro hole punch



Pillow pack with zip



Pillow pack with gusset



Pillow pack with gusset and with off set vertical seal



Pillow pack with gusset and zip



Easy open pillow pack with gusset



3 side seals pack



3 side seals pack with euro hole punch and zip



3 side seals pack with euro hole punch and easy open



Hollow punch pack with adhesive label



hollow punch and resealable cap pack



4 seals pack with recloseable adhesive label



Pocket pack

BAG TYPES – VERTICAL



Standard Pillow bag



Pillow bag with euro hole punch



Pillow bag with gusset



Pillow bag with gusset and with off set vertical seal



Pillow bag with gusset and zip cross web material



Pillow bag with gusset with zip cross web material



Pillow bag with gusset, euro hole punch and zip cross web material



Pillow bag with gusset, euro hole punch and zip cross web



Block bottom bag with 4 vertical seals



Block bottom bag with 4 vertical seals



Block bottom bag with off set vertical seal



Block bottom bag with vertical seal



Block bottom bag with cross web zip



Block bottom bag with euro hole punch



Block bottom recloseable



Brick Pack



Duo Bag



Bags with Clip



Doy Style stand-up bag



3 side seals stand-up bag with zip in line



3 side seals stand-up bag with zip in line and euro hole punch



3 side seals stand-up bag recloseable



3 side seals stand-up bag, recloseable and with euro hole punch



APPLICATION – Cheese



The cheese packaging sector is the flagship of PFM's production.

As the market leader in mozzarella cheese packaging, PFM also packages portioned cheese, fresh or seasoned, sliced, ground and/or cubed cheese, cheese and mozzarella with or without liquid, or rolled cheese for pizza, cheese in vacuum packaging and/or heat-shrinkable materials, thus covering the entire range of requirements in this sector.



Scirocco



Comet



APPLICATION – Fish, Meat & Sausage Products



From Single packs to Multipacks.

Fish, fresh meat, salami, cold cuts and sausages, including products of considerable size, can be packaged individually or in multipacks, either vacuum-packed or in a controlled atmosphere. The 'Vacuum Flow Pack' extends the use of the form-fill-seal system and increases its working flexibility. The long sealing time, thanks to the Long Dwell sealing system, guarantees hermetically sealed seams at high speeds and a residual oxygen value in the package of less than 1%. The machines are easy to clean and very reliable.





APPLICATION – Biscuits, sweets & snacks



PFM has developed a range of machines specially designed for the confectionery industry.

Levante is a horizontal form-fill-seal machine for high-performance applications. The combination of design and optional equipment in particular allows it to be used in a wide range of applications. It can be integrated into lines with pick-and-place systems, as well as simple manual assembly or a feeding system specifically adapted to the production conditions. The result is the production of up to 400 flat bags.

In the vertical application field, PFM can offer a special version of the RQ 550 / 700 machine series for the confectionery industry. These machines offer a wide range of configurations with quick and easy format changes.

In addition, the drop height can be reduced to 420 mm for fragile products. The form-fill-seal machines can be suitably combined with our multihead weighers.

Packaging with resealable labels or ZIP closures complete the horizontal and vertical range of machines.



Levante



RQ 550



APPLICATION – Dough & Baked products



PFM has the right solution for large and medium-sized baked goods.

PFM has developed packaging machines that are particularly flexible and can be converted to different formats in just a few minutes. They are hygienic, easy to use, require no special maintenance and produce aesthetically perfect packaging with secure seal seams.

In addition, PFM has a wide range of machines for packaging products in modified atmospheres, extending the shelf life of food products without the addition of preserving agents or additives. Food manufacturers and operators rely on modified atmosphere packaging to provide fresh and tasty products that meet consumer expectations in terms of brand quality, consistency, freshness and shelf life. The multihead weighers are precise, hygienic and reliable, in line with the requirements of the baking industry. The automatic lines are customised to meet the specific requirements of each customer.



Pearl



Zenith



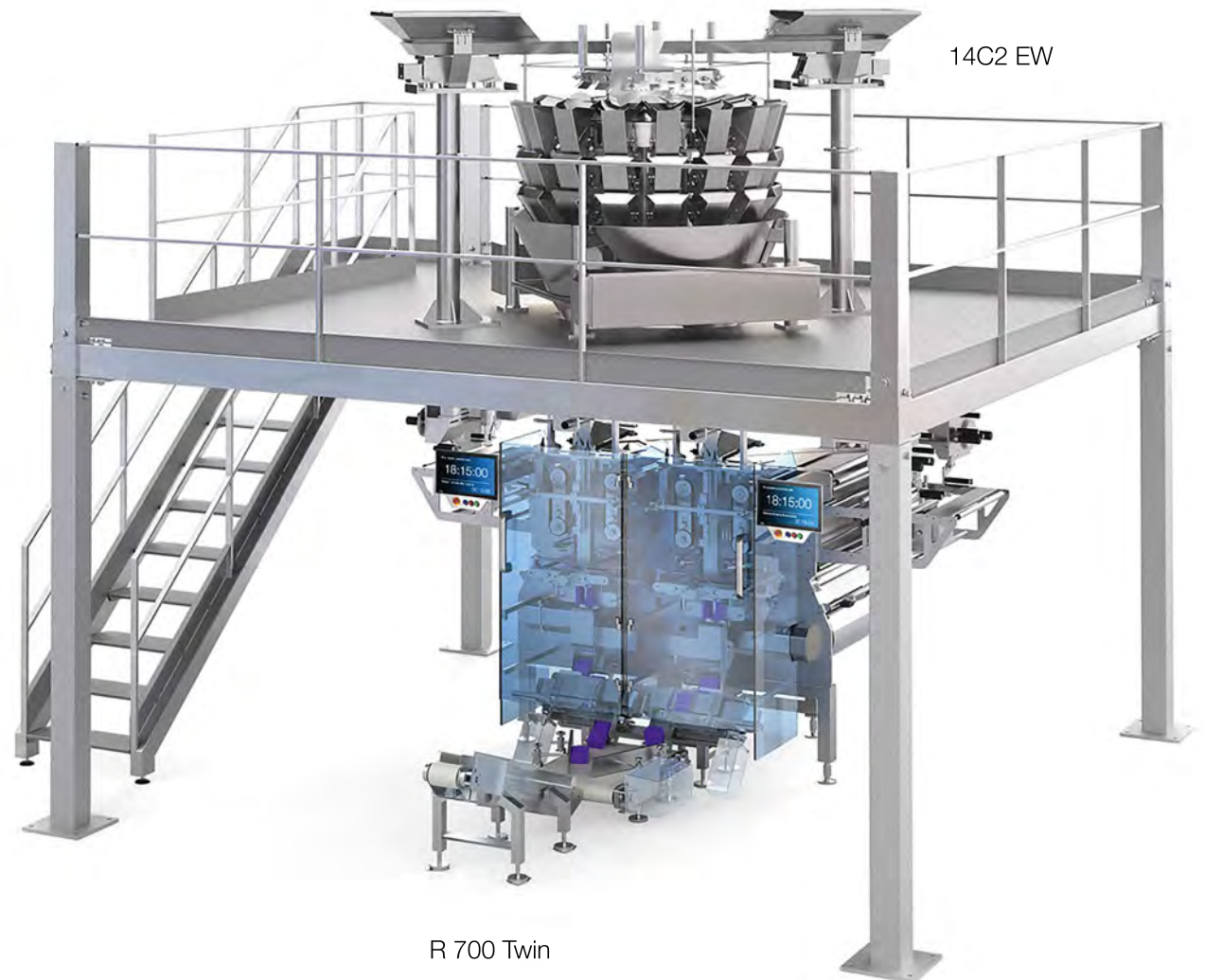
APPLICATION – Fruit & vegetables



PFM is constantly evolving!

The constantly changing requirements for packaging in the fruit and vegetable sector require a wide range of machines for these products.: The horizontal and vertical PFM form-fill-seal machines produce functional, durable, aesthetically perfect and attractive packaging, even for products with unusual sizes and shapes. The MBP C2 head weighers with step motors and IP 69 protection are designed to perform efficiently and functionally in the cut fruit and vegetable sector for ready-to-eat salads.

- Reliable and hygienic, airtight seal seams at high speeds PFM presents a wide range of packaging machines specifically designed for the pharmaceutical Industry. The PFM Scirocco Servo is one of these machines. A high-speed machine with a Long Dwell sealing system and an automated, camera-controlled feeding system.



14C2 EW

R 700 Twin



APPLICATION – Cosmetics, pharmaceuticals & wet wipes



Smart packaging lines.

We constantly strive to develop and produce increasingly smart packaging lines that optimise and implement all the different stages of the packaging process. Every year, PFM invests 3% of its annual turnover in its research and development department.

The design concept, which led to the production of a range of installations, is the complete adaptation of the line to the specific requirements of the customer, without neglecting state-of-the-art technology and high productivity.





APPLICATION – Doy Pack



PFM D-Series.

The PFM D series is a horizontal form fill seal pouch machine with a modular design. The high standard of this series is unique, making even the smallest models ready for the future. From hygiene requirements to the processing of single-layer films: The D series offers every possible solution. The equipment is also unique and the sealing system is outstanding. A complete format change can be performed in less than 20 minutes.

The D series stands for high standards and maximum flexibility.

Power:

Food, baby food, freeze-dried drinks, additives, spices, cocoa, coffee, pudding, baking powder, chemicals, medicines, insecticides.

Granulates:

Sweets, dried fruit, frozen vegetables, frozen seafood, ground cheese, cheese cubes, mozzarella, pasta, mini salamis, peanuts, legumes, cereals, muesli, technical products, Pet food

Liquids:

Fruit juices, including beverages, hand lotion, body lotion, smoothies, oil, tea, ready meals, vegetable juices, energy drinks, liquid soap, softener, cleaning agents.

Viscous products:

Fruit purées, creams, cosmetics, sauces, mayonnaise, mustard, soups, ready meals, liquid spices, melted cheese, ketchup, yoghurt, cleaning agents, liquid soap, pet food.



D-Serie



APPLICATION – Resealable packaging

Pocket Bag.

The Pocket Bag® is the packaging for cheese and fresh products in general, which can be opened and closed thanks to the reclosable system, folded hem or label. The pocket bag is made of standard film that is gas-tight and peelable.



Scirocco 3SS

PFM GROUP



MBP- multihead weighers

Founded in 1980, MBP joined the PFM Group in August 2002. Based in Castiglione delle Stiviere (Mantua), the company is specialised in the development and manufacturing of multihead weighers with 8 to 32 weighing heads. Outstanding precision and weighing speeds, flexibility, reliability, maintenance-free operation and extremely easy cleaning make MBP weighers leaders in the latest mechanical, hardware and software technology. MBP is constantly evolving, always striving to meet the highest quality standards. The level of innovation that distinguishes these weighing systems requires constant research and updating by highly skilled engineers. The company's turnover has increased by 20% annually, 10% of which is invested in research and development.

In 2006, the company introduced the revolutionary 'C2 Series' weigher and, in 2008, the 'C3 Series', which stands out on the market for its cutting-edge technology in terms of design and performance.. In 2009, the 'C1 series' (entry-level model) weighers and the 'C4 series' (combination weighers for fragile products) were launched. In 2011, MBP successfully developed the DMA (Direct Memory Access) function, which can be applied to the C1, C2 and C4 series. It expands the range and offers an outstanding level of precision.

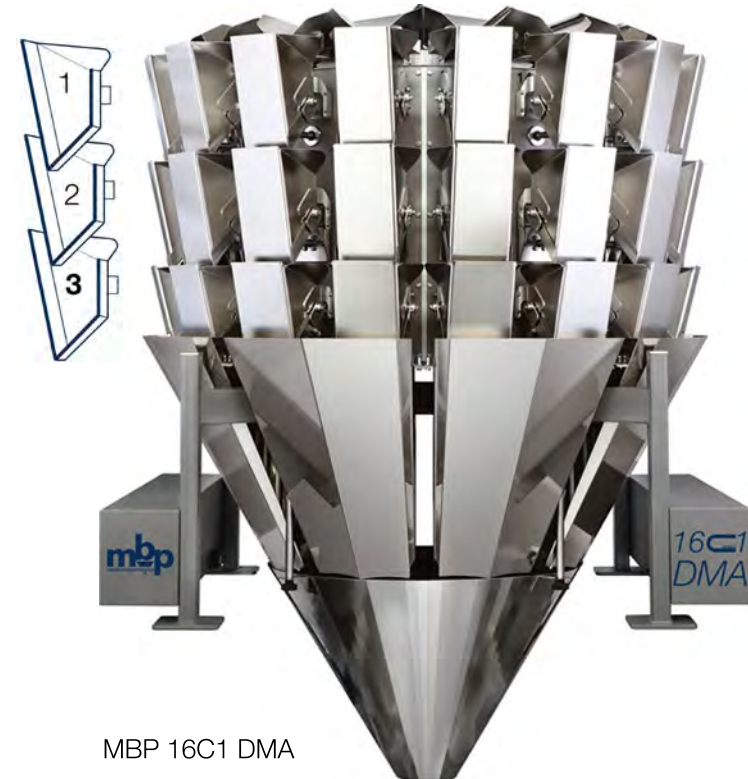


MBP 12C4

Predosing Bucket

Weighing Bucket

Memory Bucket



MBP 16C1 DMA

MBP_R-Series

The R-series was designed to minimise adjustments.

In particular:

- When changing formats, the photocell for printed mark detection remains in its fix position.
- The printing position (optional printer) in the flow direction is set in the program.
- Sensor for checking product drop and automatically synchronising with cross sealing (optional)
- Only one user interface and one machine control for weigher and packaging machine
- Access to weigher and packaging machine parameters with almost any SCADA system
- Teleservice for both the weigher and the packaging machine, also with web cam (optional)

The RQ series added another generation to the range. Quick-change sealing elements not only enable variability in the packaging design, but also make maintenance much easier.



MBP RQ550



MBP 16C2 DMA + RQ700 TWIN

PFM GROUP



SPS Italiana Pack Systems

SPS has been manufacturing automatic packaging systems for biscuits and baked goods for about 40 years. SPS designs packaging lines that allow monitoring all stages of the packaging process: From the selection of the appropriate materials to the finished product, from the single pack to the multipack, up to boxing and palletising.

The packaging lines are particularly suitable for products that are transferred directly from oven belts or cooling tunnels. The design of every automatic packaging line is based on the features and movements of the product:

- Free-standing structure
- The printing position (optional printer) in the flow direction is set in the program.
- User-friendly programming
- Automatic control systems for all line sections
- Access to weighing and packaging machine parameters with almost any SCADA system
- Each line is customised according to product features and production requirements.



SPS Linie

PFM GROUP



BG Pack

BG Pack was founded in 1996 and joined the PFM Group in 2001. Based in Bergamo, the company has earned an international reputation for high-tech horizontal and vertical packaging machines that produce special flexible packaging formats. The BG Pack range includes horizontal packaging machines with multi-head sealing units and vertical packaging machines that can be adapted to customer requirements: currently, up to 80% of the packaging machine components are customised according to customer or product requirements. This means that almost any machine produced can be used for innovative projects.

At the top of the range is Vetta, a machine that can produce up to 30 different types of packs.. These include the 'Doy Style' stand-up pouch with ZIP, the 'Doy Style' stand-up pouch with adhesive strip and the Steelo pack (block-bottom pouch with square seal), also with ZIP. The new Vetta with ultrasonic sealing system was developed and manufactured in 2011. The most important markets are Europe, Eastern Europe, the Middle East and the USA. After-sales service is integrated into PFM's service package and is subject to continuous improvement. It also includes remote maintenance via Internet or Modem. Sales have increased by 15% over the last three years, with 4% of annual sales reinvested in research and development.

- MAP: allows packaging in modified atmosphere with maximum safety
- Easy: the pack can be opened without using scissors or knives.
- Functions: thanks to the film features and re-sealability, this packaging is suitable for products that are consumed in several stages.
- Preservation: the reclosable hem allows the product to be isolated and protected, extending its shelf life from the moment the package is opened.
- Information: a larger printable surface to provide information to the consumer and promote market sales.



PFM GROUP



Brevetti Gasparini

Brevetti Gasparin develops and manufactures complete systems for cutting and packaging of baked products. The top priority is to identify customer requirements and integrate them into existing systems. As a result of a long and successful partnership, it was decided to integrate Brevetti Gasparin into the PFM Group in 2024. This step significantly expanded and strengthened PFM's product range in the baked products industry. The main focus is on cutting machines. The portfolio includes solutions for all product groups in the baked products sector and the specific requirements involved. Development in collaboration with long-standing customers is the crucial factor that has allowed Gasparin to successfully establish itself on the global market for more than 60 years.



Cutting



Packaging



Clipping



Loading



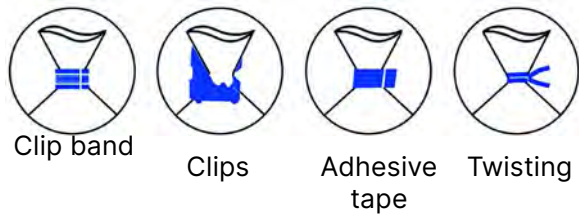
Conveying



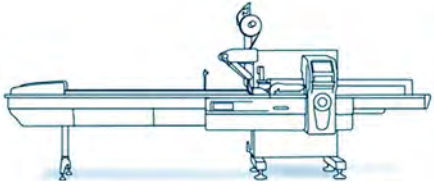
Gasparin

We develop customised loading systems to meet customer requirements for the configuration of bagged bread rolls. When designing these systems, the focus is on flexibility, speed of operation, minimisation of unintentional stoppages and consistency, even with cut bread rolls.

Closing systems included in the packaging machine or at the end of a line are also part of the package.

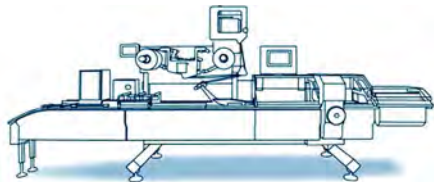


HORIZONTAL FORM FILL AND SEAL MACHINES



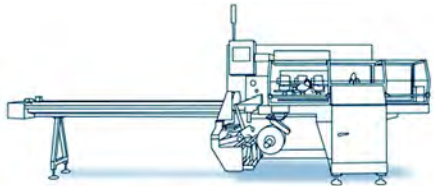
Pearl

Fully servo-controlled horizontal form-fill-seal machine. Robust construction with a carbon steel frame, compact design, state-of-the-art hardware, reliable and user-friendly control software. An innovative, high-quality machine.



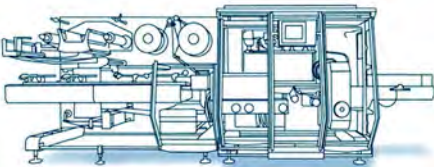
Levante

Available in nine different versions, suitable for medium to medium-high production. Nine versions for a wide range of requirements in terms of flexibility and high speed. The PFM Levante structure is self-supporting. It is a technologically advanced machine, very solid and efficient.



Shamal BA/BB

The Shamal was developed for MAP (Modified Atmosphere Packaging). Thanks to the LVA (automatic product length detection), this machine is the most flexible in the PFM range. It achieves medium packaging speeds for airtight packaging thanks to the ERS (Extended Rotary Seal) cross-sealing unit.



Scirocco

Scirocco BA/BB:

Currently one of the fastest form-fill-seal machines for MAP packaging on the market. Up to 200 p/min with hermetically sealed and perfectly gassed packs. The self-supporting structure and hygienic design ensure the very easy cleaning of the machine on all its surfaces. Available with many automatic feeding systems.

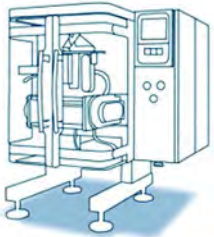
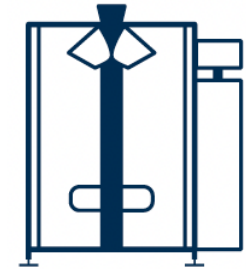
Scirocco SS (Side Seal):

For producing 3 side seals for reclosable packs.

Scirocco Combi:

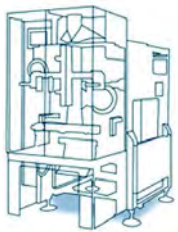
The combination of Scirocco SS and BB. Both 3-sided seals and standard tubular bags can be produced.

VERTICAL FORM-FILL-SEAL MACHINES / DOSING SYSTEMS



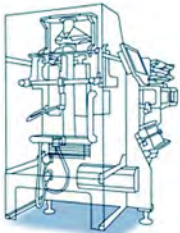
Comet

Represents the state of the art in vertical form-fill-seal machines by PFM and produces standard form-fill-seal bags. The extremely compact design can be combined perfectly with different feeding systems. The machine is equipped with the reliable high-performance long dwell sealing system and achieves up to 150 packs per minute. The Hermetic Box System prevents dust or liquids from entering inside the machine, thus ensuring perfect hygiene.



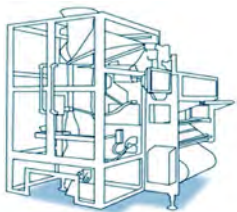
Zenith (Extra Wide / Steelo / Zip / Superclip)

Vertical form-fill-seal machine used, among other things, for products in powder or granulate form (flour, salt, sugar, biscuits, bread, short pasta, mozzarella, ground cheese, small mechanical parts and many other products). The Zenith is available in a painted or stainless steel version, as well as in an extra-wide version, and achieves a cycle rate of up to 60 packs per minute.



R 700/800

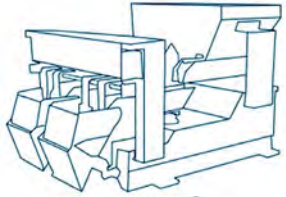
The vertical form-fill-seal machines of the R series have been designed to overcome typical technological limitations and minimise adjustments. The film rolls are always fixed in the same position, regardless of their width. Therefore, the printed mark recognition also remains in its fixed position. They are available in both single and twin versions.



RQ 550/700/800

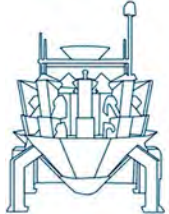
The RQ series is an intermittent VFFS machine for producing standard flat bags, block bottom bags, 4-corner sealed bags and Doy-style bags. The RQ 550/700/800 includes all the features of the R series plus the advantages of the interchangeable, removable QRM POWER FEEDBACK sealing unit for quick and easy format changes. The machines can also be built with ZIP-equipment.

MULTIHEAD WEIGHERS / DOSING SYSTEMS



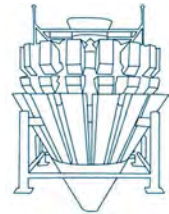
MBP Series C0

The C0 is the available linear weigher and is designed for 2 channels and 2 weighing buckets. It is suitable for dry, wet and granular products and can weigh 500 g up to 30 times per minute. The IP protection rating is IP54, optionally IP65, and the hardware is the same as for the multihead weighers.



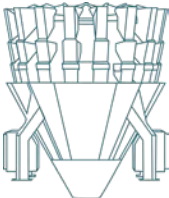
MBP Series C1

The C2 series represents the cutting edge in technological development for multihead weighers. Developed to weigh a wide variety of granulates at high speed and with extreme precision. Protection class IP 66, optionally IP69. The exceptional speed/precision ratio ensures greater savings and operational reliability. The C2 series is available with 10 to 32 weighing heads.



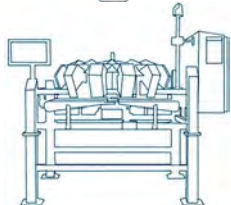
MBP Serie C2

The C2 series represents the cutting edge in technological development for multihead weighers. Developed to weigh a wide variety of granulates at high speed and with extreme precision. Protection class IP 66, optionally IP69. The exceptional speed/precision ratio ensures greater savings and operational reliability. The C2 series is available with 10 to 32 weighing heads.



MBP Serie C3 Nanoweigh

Designed for small amounts of product, from 2 to 200 grams. The load cell is sized according to the range of the weight target, which is lower than in the C2. The C3 is available with 10-14-16-20-24 heads and their respective DMA versions. It is the best choice also for mixed products, from 2 to 4 flavours.

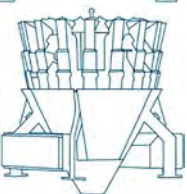


MBP Serie C4

The MBP Series C4 is a multihead weigher designed specifically for fragile products. Below the weighing buckets, four conveyor belts transport the weighed product to two further belts, which then transport it to the central unloading point. The drop height is only 40 mm. The reduced drop height and the absence of slides are the two key features of this series.

MBP DMA Version

The DMA series is a combination portioning weigher designed to weigh different products with high performance and exceptional accuracy. The operating principle is based on the distribution of products to pre-dosing, weighing and underlying memory buckets and the calculation of the best possible dispensing combination depending on the potential speed and accuracy. DMA can be applied to the C1, C2 and C4 series. DMA is perfecting the concept of precision: The number of available combinations increases, thereby improving precision. The speed/accuracy ratio achieved is a direct result of the number of combinations available. With the DMA version, the number of possible combinations increases exponentially by up to a factor of 600 (16-head weigher) compared to the standard 2-stage version.



RESIDUAL OXYGEN AND AIRTIGHTNESS TESTING

M.A.P.

To extend the shelf life of food products, a mixture of gases specific for the product is injected into the pack. A gas nozzle is inserted into the open bag from behind and the gas is forced forward with an overpressure up to the cross seal. The overpressure ensures that normal air escapes from the back of the bag. Unfortunately, it is not possible to see whether there is enough gas in the package, so it is advisable to use a continuous residual oxygen analyser.

PFM Germany has developed its own residual oxygen analysing and control systems to complement the MAP form-fill-seal machines. Here we distinguish between integrated, continuous and spot checks.



PFM Residual oxygen – AtmoCheck® analysis system

The integrated, continuous residual acidity control. The AtmoCheck is a completely stand-alone analysis device that is connected to the packaging machine via min. and max. alarms. This makes it practically impossible to produce without protective gas.

The device can be controlled independently or via the HMI of the packaging machine.



PFM Agent / Atmomix 400®

- Continuous residual oxygen analyser with integrated 2-component gas mixer
- 6" touch screen control
- A 200 min valve for N₂ and CO₂.
- Adjustable to 0.0% and 20.9%
- Purge function, the gas nozzle is automatically cleaned
- Can be fitted to any standard flow-wrapping machine



Manual measuring device AtmoCheck – DOUBLE®

- Compact, portable residual oxygen analyser for O₂ and CO₂
- LCD display showing O₂ value, CO₂ value
- adjustable to 0.0 and 20.9%
- Internal memory for the last 10,000 measurements
- Software for reading and converting data in Excel
- practical plastic box with accessories



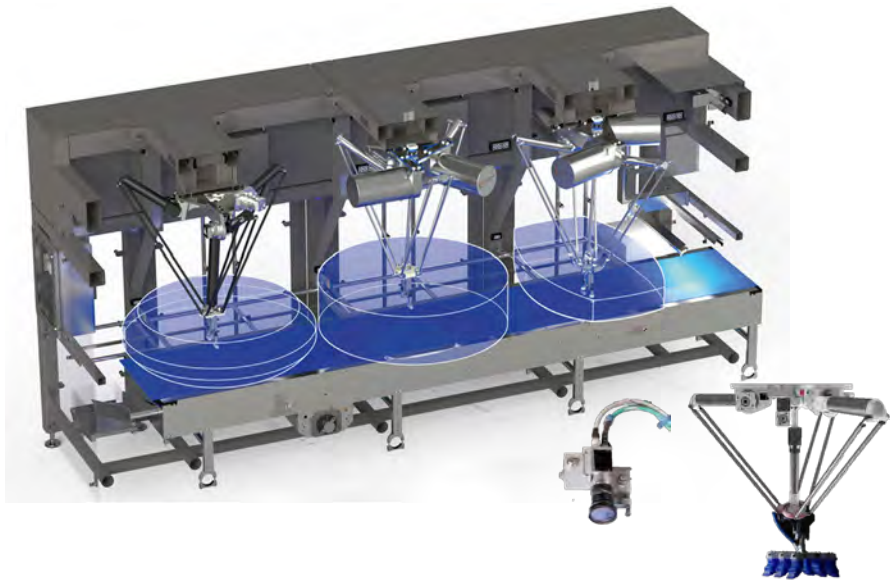
PFM Leak tester

The packs are immersed in the water bath, the hold-down device presses the pack under water and the ullage of the PFM leak tester is evacuated. This creates excessive pressure inside the package, which swells. If there are leaks in the film or the seam, air bubbles will now rise at the defective point.

After non-destructive testing, defect-free packs can be reused.

ROBOTICS, AUTOMATION AND HYGIENE

VISION Systems

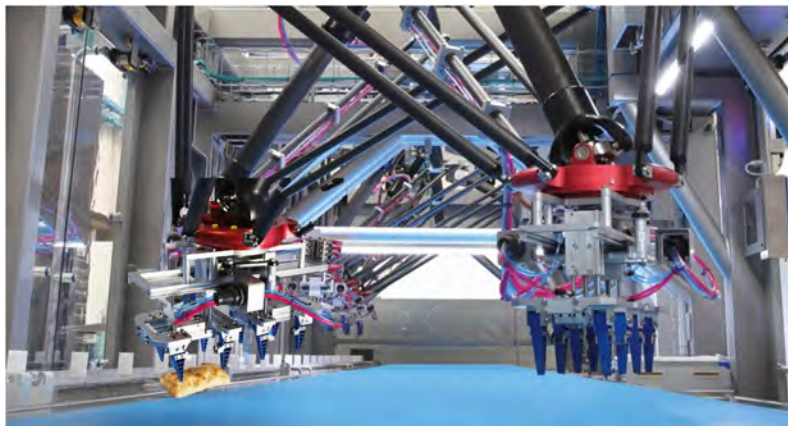


WashDown Options

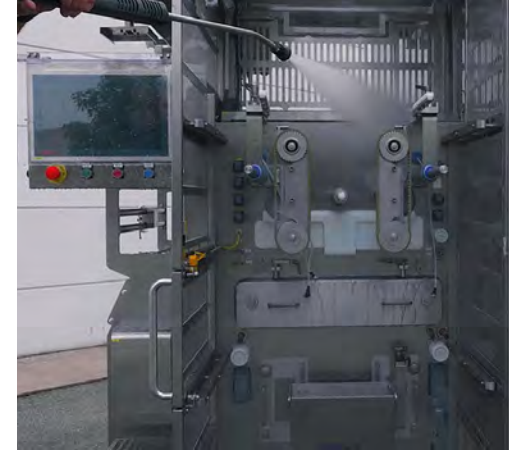


MBP RQ Twin

Pick & Place Robotics



Scirocco UHD



CONNECTIVITY AND TRANSPARENCY

PFM-Bridge takes you directly to PFM

A digital services platform focused on using the most advanced technology to strengthen and improve connections with all our customers and experts.. This technology makes it possible for us to meet our customers, work on our machines, train technicians and develop projects.

- PFM-Bridge allows us to perform live stream F.A.T.s (Factory Acceptance Tests) remotely.
- In these unusual times, remote meetings are increasing exponentially because they are fast, immediate and simple.
- PFM has been providing remote support for many years. Machines and lines that are set up for on-line connection enable our operators to connect remotely and intervene in the event of potential problems or malfunctions.

The PFM Group's service department includes ten engineers and 30 specialised technicians. All employees in this department receive constant updates and training through specialisation courses organised by the company's management.

The PFM Group service offers:

- Customised solutions
- Technical consulting for packaging
- Remote training and support
- Spare parts shipped in just a few hours



