

COFFEE PACKAGING SOLUTIONS



Table of contents

COFFEE PACKAGING AT ITS BEST	4
THE COMPANIES	6
SOFT AND HARD PODS	8
SINGLE SERVE CAPSULES – FILLING	10
SINGLE SERVE CAPSULES – CARTONING	12
FLEXIBLE PACKAGING	14
END OF LINE PACKAGING	16
TURNKEY SOLUTIONS	19
COFFEE PROCESSING SOLUTIONS	20
IMA IN THE WORLD	22

As a world leader in the field of automated packaging, IMA is present today with a Business Hub entirely dedicated to Coffee Packaging.

Covering all aspects of the packaging process, from consultancy and design to production planning and turnkey solutions, IMA provides equipment for dosing, filling, sealing, cartoning and end-of-line packaging.

Catering for all requirements in the coffee sector, and with decades of specific experience, IMA plays a role as primary technological partner and business advisor in all areas of coffee packaging.

Alongside the world's most comprehensive range of coffee packaging equipment, specially conceived tailored solutions are developed to respond to the market's fast evolving needs.

The broad knowledge gained globally enables IMA specialists to optimise customers' investments and ensure ongoing assistance and technological developments to maintain their competitive advantage.

An international sales and technical network is driven directly by GIMA, headquartered in Italy's renowned packaging valley on the outskirts of Bologna.



Coffee



Pods



Injected capsule



Thermoformed capsule for espresso



Thermoformed capsule for filter coffee



Pre-glued Box



Flat-blank box



Flip top box



Shipping case and pallet

THE COMPANIES





IMA COFFEE GIMA

Since the time GIMA decided to enter in the coffee market, it has consistently been able to impress its customers with extremely innovative technical solutions, utmost flexibility and reliability. Its custom tailored solutions make GIMA the ideal strategic partner for industry leaders who constantly strive to meet new market trends.

Now GIMA occupies a leading position in the global coffee market and it covers all aspects of the packaging process, from consultancy and design to production planning and turnkey solutions: it provides equipment for dosing, filling, sealing, cartoning and end-of-line packaging.

Catering for all requirements in the coffee sector, and with decades of specific experience, GIMA plays a role as primary technological partner and business advisor in all areas of coffee packaging. Alongside the world's most comprehensive range of coffee packaging equipment, specially conceived tailored solutions are developed to respond to the market's fast evolving needs. Thanks to such experience, GIMA is able to provide state-of-the-art solutions perfectly tailored around product and process specifications.

IMA COFFEE MAPSTER

Based in Parma, Mapster designs and manufactures complete capsule filling and packaging lines for the coffee industry. Thanks to the implementation of today's latest technologies in the specific field of coffee capsule production, Mapster is able to offer coffee packaging equipment with the best integrated solutions. An ample range of equipment is available to handle capacities going from just 60 capsules/min to highly efficient production lines reaching volumes of 360 capsules/min. Alongside the selection of capsule fillers, Mapster provides automatic vertical packaging equipment.

Thanks to technically advanced solutions, competitive prices and proven reliability, Mapster represents a reference in the market sector, also providing qualified assistance and supportive consultancy to customers wishing to safeguard their position in the market.

IMA COFFEE PETRONCINI

Petroncini designs and manufactures a complete range of equipment for green coffee handling and processing, a vast selection of roasters for all capacity requirements and high-quality grinders to satisfy the most demanding customers.

An historical brand in the coffee industry, Petroncini has an in-depth understanding related to all aspects of the industry and has decades of experience in creating the most successful technical solutions.

SOFT AND HARD PODS



CA1 - HIGH SPEED SOFT POD

IMA CA1 represents the latest and most challenging innovation in the single dose coffee packaging sector, guaranteeing the highest efficiency together with the most compact machine layout, and perfectly in line with IMA's traditional concepts. IMA CA1 is a unique high speed machine able to produce up to 800 soft pods per minute in a single lane, counted, stacked and packed into a heat-sealed stand up bag.



CA3 - HARD OR SOFT POD

The IMA CA3 is a monobloc machine capable of packing, in a modified and conditioned atmosphere, SOFT or HARD pods containing coffee, heatsealing them in a protective outer envelope and finally packing them into cartons at a production speed of 250 pods per minute. IMA has designed and manufactured the CA3 according to the highest efficiency criteria, and in particular, to an extreme flexibility while guaranteeing the best product quality on the market.



Both soft and hard coffee pods are processed at different speeds in equipment designed to ensure precision, but also significant flexibility enabling customers to respond rapidly to diverse market requirements. In order to provide the utmost in terms of longer shelf-life, packaging can be conducted in a modified and conditioned atmosphere, and pods can be stacked individually protected in heat-sealed envelopes and packed into heat-sealed vertical pouches or cartons.



CA6 - MEDIUM SPEED HARD PODS

The new IMA CA6 is the most simple and compact monobloc available on the market able to produce, in modified and conditioned atmosphere, 130 hard pods per minute containing coffee on a single line. The line provides for pod protection by inserting it into a heatsealed outer envelope; while final packaging is achieved by programmable counting and fully automatic cartoning, as well as, by an exit belt complete with flip-flop unit for the bulk filling of pods into cartons or bags.

SINGLE SERVE CAPSULES FILLING

Our machines can package every kind of capsule present on the market both in protected atmosphere and non. Primary packaging of the capsule ensures maximum hygiene and prevents the aggression of external agents, such as moisture, heat and air.



595 - FILLING AND SEALING

GIMA filling and sealing machine strikes a perfect balance between performance and practicality. The unique ergonomic cantilever design assures great accessibility for maintenance, service and easy cleaning, significantly reducing line downtimes.

The modular construction concept allows high flexibility in achieving custom-made solutions for almost any kind of product and packaging material. According to the machine configuration speed can vary from 300 to 1200 capsules per minute.

- 595
- 595-596



590 - FILLING AND SEALING

The Gima 590 capsule filling machine is the reliable and cost effective option, designed to handle low to medium production requirements with the possibility of doubling capacity from 100 to 200 capsules per minute. A rotary machine with a compact footprint, it ensures remarkable space saving. The machine has the same technical solutions of the well-known Gima 595 and can handle both injected and thermoformed capsules of different dimensions. Easy cleaning operations are possible thanks to a pull-out operating unit.



MCA SERIES - FILLING AND SEALING

The MCA MAPSTER series ensures cost-effective packaging and tried & tested reliability.

Machines with handling chain, up to 6 lanes, input pick & place with heads and cutting and welding device for filter (bottom lid and/or top lid) in a unique station.

In addition to coffee, they can dose different products thanks to a specific kit for herbal and instant products.

- MCA1
- MCA2
- MCA4
- MCA6



CAMALEONTE - FILLING AND SEALING

The Camaleonte machine is equipped with three production lanes and is capable to run one of them at a time. All three lanes are pre-arranged and dedicated to different capsule styles.

The dosing unit slides onto the capsule lane according to format. Changeover is performed manually by an operator without any mechanical intervention necessary, taking no more than 15 minutes.

SINGLE SERVE CAPSULES CARTONING



FTB HIGH SPEED SERIES CARTONING FOR ORIENTED CAPSULES UP TO 80 BOXES/MINUTE

Self-protected capsules are directly packaged into flat blank cartons which are formed during the packaging process. A specific feeding system is able to “nest” the capsules before placing them into the carton. Final capsule collation is therefore tight and the size of the container is kept to a minimum, thus enabling considerable cost savings on cardboard and shipping.

- FTB577-C
- FTB575-HS



FTB608 CARTONING FOR ORIENTED CAPSULES UP TO 40 BOXES/MINUTE

The FTB608 is a scaled version of the FTB577-C machine. It is equipped with a single forming head with positive display management. Starting from flat blank cartons, you can pack single boxes with multi-product flavours with a dedicated feeding system. A machine-integrated single flat blank magazine is available.



Secondary packaging ensures product protection and product integrity when it leaves the production site to reach the final consumers. Different secondary packaging methods are usually utilized according to the original capsule nature.

GIMA offers a wide range of cartoning solutions from oriented to bulk configurations, designed to ensure the maximum flexibility and higher productivity.



FTB584-C
 CARTONING FOR ORIENTED CAPSULES
 UP TO 25 BOXES/MINUTE

Built to run in line with filling and sealing equipment, the FTB584-C is a space-efficient, flexible cartoning machine for American and espresso coffee capsules. Proves to be an excellent turnkey solution placed in line with the 590.

The FTB584-C is a flexible solution for coffee capsules, tea and soluble beverages. With fully servo-driven movement, the machine ensures excellent production efficiency and extreme flexibility regarding the product layer configuration. Thanks to a compact footprint and minimal use of void spaces, it represents one of the best options to save space on the production floor and cut costs accordingly.



FTC570
 CARTONING MACHINE FOR CAPSULES
 IN BULK UP TO 200 PRODUCTS/MINUTE

The continuous vertical cartoner FTC570 can handle and directly package self-protected capsules into pre-glued folded cartons which are erected during the packaging process. Versatile and flexible, the machines can handle different packaging systems such as carton packs, plastic bottles, metal containers, etc. Thanks to multiple feed capability, the system can place different capsule types into cartons, thus creating variety packs.

FLEXIBLE PACKAGING

Coffee is extremely sensitive to exposure to air, light and environmental odours. The fragrance and flavour of coffee is its core value and ILAPAK's packaging solutions protect the quality and extend the shelf life of this product.

Developed over many years of experience in this industry, ILAPAK's packaging machinery provides excellent hermetic sealing systems, special valve systems for freshness and reclosable systems for consumer convenience.



VERTICAL FORM FILL & SEAL

ILAPAK Vegatronic series of VFFS packaging machine can produce the highest quality and most innovative range of pack styles, whilst delivering flexibility and exceptional performance. The Vegatronic series is ideal for ground coffee, coffee beans and capsules.

- VEGATRONIC 2300
- VEGATRONIC 2000 OF
- VEGATRONIC 6000



MULTI-HEAD WEIGHING

ILAPAK's Weightronic series of high quality multi-head weighers are tailored to each customer's products, to weigh consistently and precisely across a very wide range of pack weights and speeds.

- WEIGHTRONIC WA 10-25
- WEIGHTRONIC WA 14-25



HORIZONTAL FLOW WRAPPING

ILAPAK's HFFS Carrera flow wrappers can be tailored to match each customer's specific needs, and deliver maximum production flexibility and efficiency at each performance level. Every model is available in different versions with a large range of optional.

- CARRERA 2000 D-CAM



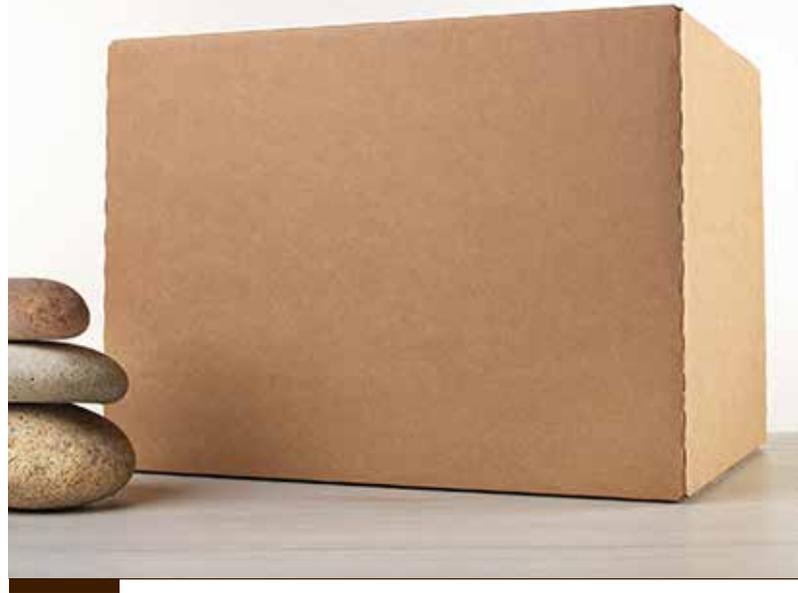
HORIZONTAL FLOW WRAPPING MACHINES WITH M.A.P. AND HERMETIC SEALING AT HIGH SPEED

One of the most effective ways to extend the shelf life of fresh products is to pack them in a hermetically sealed pack with a modified atmosphere. Our robust Delta flow wrappers are precisely engineered to ensure hermetic sealing at high speed.

- DELTA 6000

END OF LINE SOLUTIONS

A host of solutions are available from our BFB Division specialized in end-of-line packaging. Generally speaking, the variety of equipment has been developed to provide considerable versatility for ever-changing customer needs and ergonomic design to enable good access for all types of cleaning operations or simple maintenance. Furthermore, machines are conceived with reduced footprints to save as much space as possible in the production area. Where particular requirements exist, sector-specific expertise allows for customised solutions based on the division's in-depth experience.



OVERWRAPPING

Our machines have specific film winding, conveyor, cutting and sealing systems to ensure that the film is always cut with a geometrically precise fold and sealed without wrinkles, air bubbles or other blemishes. The flexibility of these machines enables transverse sealing underneath the bundle or lateral sealing. Our wide range of wrapping machines can process any type of pack, film or paper, even on products with irregular shapes.

- 3701-11 SERIES
- 3721 SERIES
- A50/A100
- AF60



STRETCH BANDING & SHRINK WRAPPING

We offer a range of machines that can cover different speeds, with dedicated solutions for products whose shape tends to vary widely. The machines can always be combined with a heat-shrink tunnel with lower power consumption.

- MS 250 A/AM/AP
- MS560 - T600



SIDE AND TOP LOADING CASE PACKING

A very wide range of side and top loading case-packing machines is available to handle loose or bundled coffee bags, vacuum packs or cartons with capsules inside.

For each specific market application and speed we provide the best solution to get the product into the final corrugated cardboard case in the most efficient way.

- CP18-28-38-48
- CPV10-20



WRAP AROUND CASE PACKING

The new wraparound case packer WA30 is suitable to pack individual or bundled products into cases, display boxes or trays starting from flat-blanks. This machine has been developed in response to new market requirements such as the cantilever design of its structure, which ensures complete accessibility and easy cleaning.

In addition, great importance has been given to the ergonomic position of all its components, like the flat-blanks magazine positioned to allow easy case loading.

- WA30

END OF LINE SOLUTIONS



PALLETIZING

The palletizers have been developed to respond to market requirements for high speed, flexibility and compactness of the palletizing section of modern production lines. The heart of the machines is the robot which picks up the incoming cases and places them on the pallet, according to a pre-set pattern already stored in the machine memory.

- FLEX PALLETIZER
- 2FPS
- 4FLEX
- DEPALLETIZER



INTEGRATED CASE PACKING AND PALLETIZING

Integrated solutions offering a compact structure and an extremely simple pallet management thanks to the latest improvements in robotic technology. The system allow the smooth handling of difficult and unusually shaped products.

- CP18 + MINIFLEX
- CP18 + FLEX PALLETIZER
- VERTICAL CARTOPALLET

COFFEE PROCESSING SOLUTIONS

IMA COFFEE PETRONCINI DESIGNS AND MANUFACTURES A COMPLETE RANGE OF EQUIPMENT FOR GREEN COFFEE HANDLING AND PROCESSING, A VAST SELECTION OF ROASTERS FOR ALL CAPACITY REQUIREMENTS AND HIGH-QUALITY GRINDERS TO SATISFY THE MOST DEMANDING CUSTOMERS.

An historical brand in the coffee industry, Petroncini has an in-depth understanding related to all aspects of the industry and has decades of experience in creating the most successful technical solutions. Thanks to the broad knowledge base of our engineering department, Petroncini regularly answers countless requests from global customers and is able to share the best solutions designed for all types of needs, from small laboratory applications to major industrial plants.





GREEN COFFEE

We develop a full range of equipment for green coffee handling and processing. Starting with automated intake solutions for each reception mode, we also supply sorting and cleaning systems and comprehensive systems for storage, dosage and handling.

Aiming at increasing efficiency and security at intake, our automated solutions reduce manual labour requirements and include telescopic belt systems, palletizer/depalletizer robots as well as combined automated receiving/cutting/emptying equipment for bulk containers and jute bags, up to 1000 bags/h. Our sorting and cleaning equipment is designed with a view to preserving the integrity of subsequent processing machinery.

Efficient separation processes are ensured via a host of technologies developed for all specific needs.

Efficient storage, dosage and handling systems will contribute to the efficiency of production. Our internal or external installations are both flexible and can include a variety of handling systems, rotary distributors and weighing devices.

ROASTERS

Sharing the same priorities as our customers, Petroncini convection roasting technology ensures uniformity, repeatability and achieves the best aroma.

Our models range from equipment with a 200 g/cycle capacity, ideal for in-shop roasting up to medium and high-capacity solutions reaching quantities up to 720 kg/cycle. The heat generation technology enables perfect roasting control and optimises thermal efficiency and air quality. Built with materials which minimise heat dispersion, the thermodynamic cycle is optimised and the yield of the roasting process is excellent. For high-capacity plants, we provide a special energy-saving package with a heat recovery and recirculation system.

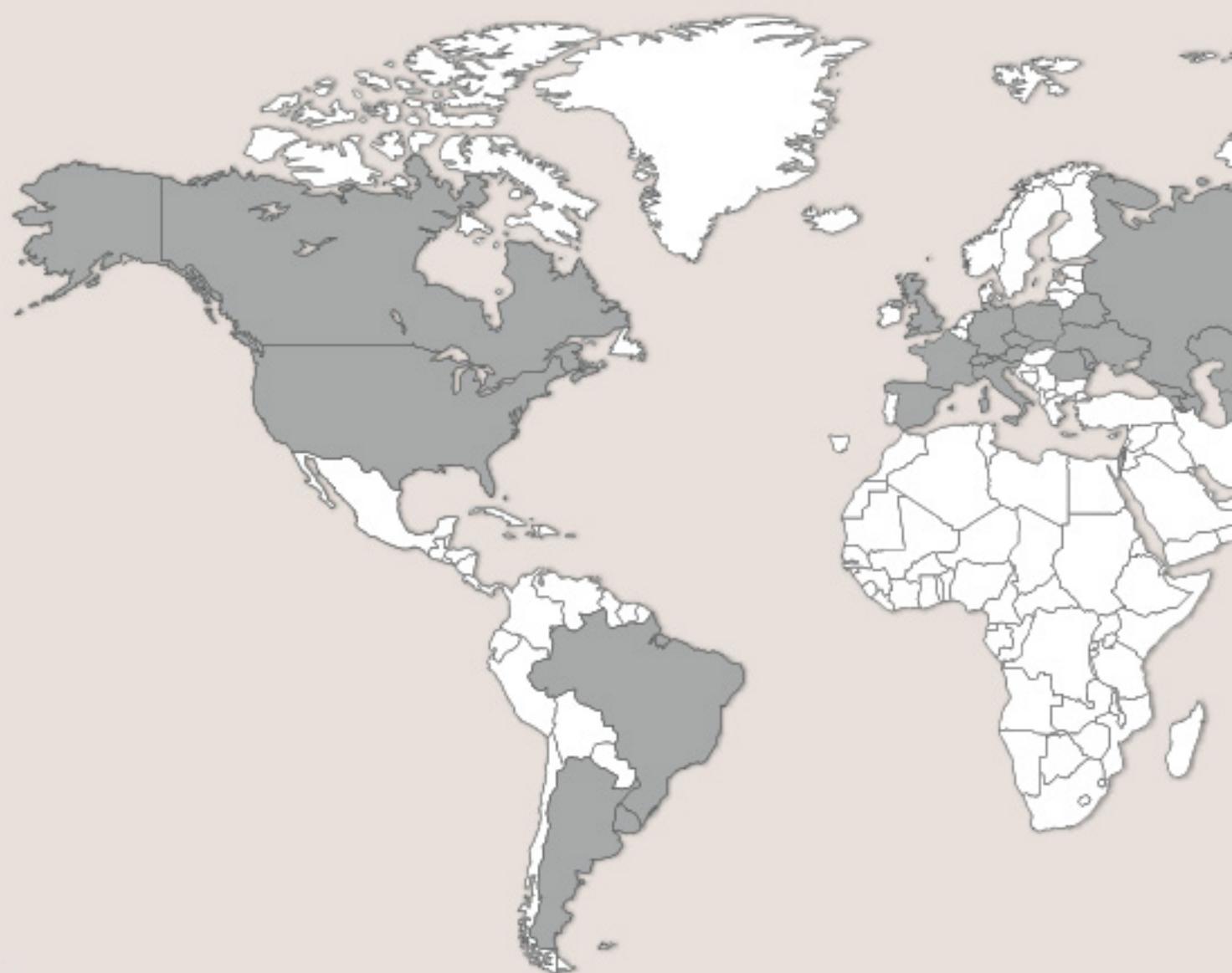
Modular roasters feature an external heat generation unit which allows for superior productivity and layout flexibility. It also allows an unlimited variety of sensorial coffee profiles. This range of roasters is conceived for larger capacity industrial applications and include the same energy-saving package leading to significant economic advantages and limited environmental impact thanks to the heat recovery process. The roasters are also equipped with a full automatic control systems and a dedicated software for the roasting profile management.

GRINDERS

A key step in the process is the grinding stage, where Petroncini supplies equipment ensuring constant particle size to guarantee repeatable production standards down the line and respect for the organoleptic properties of the coffee. Uniformity, from coarse instant to fine Turkish coffee, is obtained using tried and tested technology developed over the years and deriving from the company's broad experience in the coffee processing industry.



IMA IN THE WORLD



■ IMA WORLDWIDE PRESENCE
PRODUCTION PLANTS, BRANCHES, AGENCIES

PRODUCTION PLANTS

ITALY

IMA SpA.

IMA DAIRY & FOOD CORAZZA

IMA MAPSTER

IMA PETRONCINI

GIMA

IMA AUTOMATION TELEROBOT

GIMA TT

COMA.DI.S.

PHARMASIENA

ILAPAK ITALIA

FILLSHAPE

TEKNOWEB CONVERTING

REVISIONI INDUSTRIALI

G.S. COATING TECHNOLOGIES

UNITED STATES OF AMERICA

IMA AUTOMATION NORTH AMERICA

IMA NORTH AMERICA

IMA LIFE NORTH AMERICA

DELTA SYSTEMS & AUTOMATION

UNITED KINGDOM

SWIFTPACK

FRANCE

IMA DAIRY & FOOD ERCA

SPAIN

IMA DAIRY & FOOD ERCA

ARGENTINA

IMA MASA

GERMANY

IMA DAIRY & FOOD HASSIA

IMA DAIRY & FOOD GASTI

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