

# BAKERY

FLEXIBLE PACKAGING SOLUTIONS





## Table of contents

BAKERY FLEXIBLE PACKAGING SOLUTIONS	4
IMA EQUIPMENT FOR THE BAKERY INDUSTRY	6
PACK STYLES	7
BREAD & SANDWICHES SOLUTIONS	8
COOKIES, BISCUITS & WAFERS SOLUTIONS	12
PIZZA & FLAT BREAD SOLUTIONS	16
CAKES & PASTRIES SOLUTIONS	18
SNACKS SOLUTIONS	22
SECONDARY AND END OF LINE SOLUTIONS	26
IMA ZERO	28
OPEN LAB	30
ABOUT IMA GROUP	31

# BAKERY FLEXIBLE PACKAGING SOLUTIONS

## FOCUS ON BAKERY

IMA FLX's team of specialists takes great pride in their many years of hands-on experience in the Bakery industry.

This field-tested know-how is expertly applied to the wide range of reliable, flexible, and innovative packaging machinery and automatic lines designed and manufactured with your needs in mind.

From fresh cakes, bread and pizza to biscuits, frozen dough and prebaked products, each application has its own unique packaging requirements.

IMA FLX's Industry managers are experts in their field. They know your industry, understand your product, and will give you the best long-term advice as true partner that understands your needs.



## IMA FLX HUB

The new IMA FLEXIBLE PACKAGING HUB is where the production of all machines in the flexible packaging chain converge. Everything needed to process all types of flexible packaging for the Food, Pharma, Wet Wipes and Pet markets is right here.

The full array of leading technologies brought together in one facility, where a one-stop supplier drives the quest for excellence, sustainability, constantly researching innovative solutions and new eco-compatible materials.





## TURN-KEY HORIZONTAL AND VERTICAL SOLUTIONS

IMA FLX HUB, taking advantage of synergies and integrations with IMA Group companies and thanks to proven expertise gained in food & non-food industries' key applications, offers fully engineered solutions delivering highly efficient flexible packaging lines to maximise your line's OEE, with real time operator-specific production and diagnostics data.

From automatic loading systems to cartoning, from product feeding and handling to single and multiple flow wrapping. Weighing solutions and visions systems coupled with vertical baggers and end of line equipment. IMA FLX HUB is your perfect partner for delivering turn-key horizontal and vertical solutions. Its high-speed flexible automation systems are capable of the highest production throughput requirements.

The portfolio includes systems for modified atmosphere applications (M.A.P.) and vacuum, as well as machines for 4 side seals multi-lane, sticks and fold pack. The HUB also offers counting solutions, dosing devices and complete, fully automated Doy pouch lines.

# IMA EQUIPMENT FOR THE BAKERY INDUSTRY



Bread & Sandwiches



Cookies, Biscuits & Wafers



Pizza & Flat Bread



Cakes & Pastries



Snacks

## MODULAR SYSTEM DESIGN

Handling	Quality control	Feeding	Wrapping	Quality control	End of line
Product collection from processing line	Product quality control	Multi belt feeder	Horizontal flow wrapping	Final pack quality control	Cartoning and Overwrapping
Product aligning, distribution and buffering systems	Vision sorting system	Gravity feeder	X-Fold wrapping	Foreign matter detection	Case packing
"Pick & Place" robots	Modified Atmosphere packaging, VAC & M.A.P.	Sorting and counting system	Vertical bagging		Palletizing and De-palletizing
		Product grouping, collection system	Horizontal pouch and Doy		Labelling
		Multi-head weigher	Reclosable pack solution and 3 side seal wrapping		

## BENEFITS - ADD MORE VALUE TO YOUR PRODUCTS

- **TURN-KEY AND AUTOMATED SOLUTIONS**  
Complete turn-key solutions starting from processing line and including distribution systems, automated feeding systems, primary and secondary packaging machineries.
- **FLEXIBILITY**  
Wide range of pack styles and solutions featuring reclosable, 3 side seals, X-fold and doy pack with easy and quick changes over.
- **M.A.P. & HYGIENIC DESIGN**  
Combined technology and experience to extend product shelf life while providing the highest industry degree of hygienic standard.
- **MODULARITY**  
All IMA equipment can perform easy, quick and reliable size change operation to match the today multi format production line requirements.
- **ONE STOP SUPPLIER**  
IMA FLX HUB's goal is to be your one stop supplier for all your packaging system's needs: spare parts, service or training, we offer it all via our global network of technical and custom care teams.

# PACK STYLES

## HFFS



Pillow



Pillow with gusseting



Pillow reclosable



Pillow reclosable with stand-up feature



Quattro



Quattro reclosable



3 side seal



X-Fold



Pillow with clip

## VFFS



Pillow ultrasonic



Pillow vertical



Block bottom



Block bottom with window



3 side seal vertical



Quattro vertical



Flexcan



Easypack

## DOY



Doy Shark



Doy with zipper and tear notch



Doy with hang hole



Doy with round corners

## CARTONING AND END OF LINE



Wrap-around tray with or without closing lid



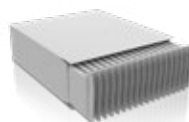
Top loading tray and display box



Display box for flexible packs



Pre-glued carton for single product



Pre-glued carton for multiple products



Display boxes for flexible packs



Wrap around case



Standard RSC case



Pallet

# BREAD & SANDWICHES SOLUTIONS

- BAGELS
- BAGUETTE
- BRETZEL
- ROLLS
- SANDWICH THINS
- WHOLE LOAF
- PROCESSED BREAD
- SLICED BREAD
- BREADSTICKS
- CRISP BREAD
- BUNS
- RUSKS
- FROZEN BREAD
- SANDWICHES



The several IMA FLX packaging solutions for baked goods and sandwiches include complete automatic lines, HFFS flow wrapping platforms with and without M.A.P. and even combining M.A.P. and Vacuum. Furthermore, IMA offers VFFS vertical baggers coupled with weighing (multi-head and linear) or vision systems.



Pillow with and without gusseting



Pillow reclosable with stand-up feature



Pillow with clip



Quattro



3 Side Seal



Pillow vertical



Block bottom with or without window



Quattro vertical



## FLOW WRAPPERS

IMA FLX's rotary machines are commonly employed to pack frozen or short shelf-life baked goods.

IMA horizontal flow wrappers can be tailored to match each customer's specific needs and deliver maximum production flexibility and efficiency at each performance level.

Available with manual, semiautomatic or automatic feeding systems according to customer requirements.



## FLOW WRAPPERS WITH M.A.P. AND VACUUM

For a longer shelf life, IMA's models can pack bakery goods and sandwiches in M.A.P. with barrier, paper-based, recyclable and laminated films.

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. IMA FLX horizontal flow wrappers are precisely engineered to ensure hermetic sealing at high speed.

Solutions designed to extend the bakery products' shelf life, without using preservatives or alcohol, thus guaranteeing the product freshness.

IMA also offers a solution that combines vacuum and M.A.P. in one platform. The vacuum system allows the machine to extract trapped pockets of oxygen found inside the product itself. The result is a packaging line that produces attractive traditional looking packs with the same shelf-life characteristics of thermoforming, at a greatly reduced cost.



# BREAD & SANDWICHES SOLUTIONS



## VERTICAL BAGGERS

With a maximum bag width of 600 mm, the IMA vertical baggers are ideal for packing fresh or frozen rolls and bagels into catering bags.

For operations looking to switch frequently between different products, IMA VFFS machines can be fitted with solutions to increase line efficiency and make changeovers fast and easy. For example, film buffering enables the film roll to be changed whilst the machine is running.

These solutions offer easy accessibility for fast servicing and maintenance thanks to the open-frame design. They boast the highest seal pressure on the market - key for guaranteeing gas tight seals - and are available in a vertical configuration or with up to 60° angled transfer to minimize the risk of damage to fragile IQF rolls.



## MULTI-HEAD WEIGHERS

IMA FLX's 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. The product range includes weighers from 10 to 24 heads, with construction standards for either "dry" or "wet" environments.





## VIBRATORY COUNTING SOLUTIONS

IMA linear counting systems use vibrating lanes to align products before counting them via fiber optic technology.

This series can be equipped with 4 up to 12 vibratory lanes to handle fresh, par-baked, frozen, and raw dough products such as small baguettes, ciabatta, dinner rolls and bagels.

Furthermore, the system can be divided into multiple sections to process different products at the same time, create mixed portions and distribute the product flow to one or more packaging machines.



## VISION SYSTEMS

IMA FLX's vision systems use a combination of laser and line scan camera technology to count and feed baked goods into the infeed of a VFFS machine at high speed, whilst performing quality control checks like length, width, surface and height.

These systems offer complete flexibility in terms of product type, shape and size. They can accommodate fresh, par-baked, frozen and difficult-to-handle raw dough products, whether baguettes, pretzel sticks, rolls and bagels.

Key to the flexibility of the conveyor-based system is a powerful 2,5D laser and line scan camera combination. The images are overlaid to produce a 'real time' picture of the product flow, and intelligent software processes this image to calculate when the target number per pack has been reached. Batches are separated via single pneumatically controlled 'fingers' from top or bottom.

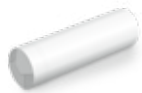
# COOKIES, BISCUITS & WAFERS SOLUTIONS

- COOKIES
- BISCUITS
- SANDWICH BISCUITS
- FILLED BISCUITS
- WAFERS
- CHOCOLATE COATED BISCUITS



The vast range of biscuits and cookies have one requirement in common — they are often delicate, fragile, and perishable products that need delicate handling and protective packaging to guard against breakage and loss of freshness and flavor. The packaging must also be attractive and provide immediate brand recognition on the shelf.

The flexibility and versatility of IMA's machines allow you to meet both your production and marketing needs, without sacrificing one for the other, to get the most out of your investment.



X-Fold



Pillow with and without gusseting



Pillow reclosable with stand-up feature



Quattro reclosable



Pillow vertical



Block bottom



Quattro vertical



Doy with tear notch and zipper



## ON EDGE X-FOLD WRAPPERS

Fully electronic X-Fold wrapper for biscuits, crackers, rusks, and rice cakes on edge available in manual, semi and fully automated configurations. Feeding, stacking and automatic portioning systems available.

High performance solution able to reach up to 100 packs/min (mechanical), tight packs are assured thanks to an advanced longitudinal sealing technology.





### SANDWICHING MACHINES AND FLOW WRAPPERS

Fully electronic sandwiching lines, wire-cut technology, for the production of sandwich biscuits and crackers, available with 1, 2 or 4 lanes. Turn-key solution with sandwiching line directly combined with flow wrapper for mono-layer or pile pack configurations available. Real time synchronization, compact solution and direct product transfer from the sandwiching towards the flow wrapper. Single and double cream colour and layer available.



### FLOW WRAPPERS WITH AND WITHOUT TRAYS

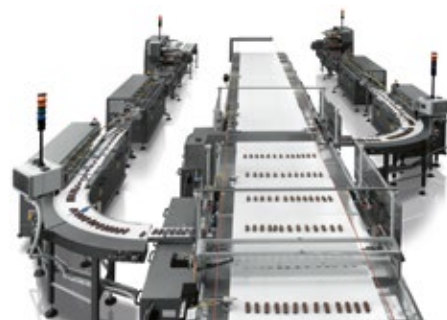
IMA horizontal rotary jaws flow wrappers can be tailored to match each customer's specific needs and deliver maximum production flexibility and efficiency at each performance level. Feeding, stacking and automatic portioning systems available. Solutions available for wrapping biscuits with and without trays.

# COOKIES, BISCUITS & WAFERS SOLUTIONS



## SOLUTIONS WITH INTEGRATED ROBOTIC SYSTEMS

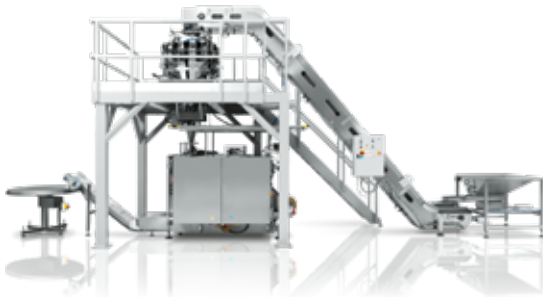
IMA FLX's solutions with integrated robotic systems are the best option to handle products coming randomly or not aligned and ensure high flexibility in terms of format changes. These compact systems, such as pick & place or loading robots, may feed directly into the wrapper infeed or may pre-group the product to conveyors to allow subsequent delivery to the wrappers through smart belt systems that ensure constant delivery to the wrappers.



## SOLUTIONS WITH DISTRIBUTION AND HANDLING SYSTEMS

Product distribution and conditioning to a flow wrapping system form part of IMA FLX's integrated solutions philosophy ensuring the highest efficiency is achieved and maintained. Integrated Distribution Systems include buffer storage and refeed modules, row removal, staging and feeding as well as gentle product handling and accurate timing. Cross belt feeding systems linked to flow wrappers and aligning systems for products coming randomly complete the range.





## VERTICAL BAGGERS AND MULTI-HEAD WEIGHERS

The IMA range of VFFS machines, from low-end to top-end, offering extreme sealing pressure to properly handle even M.A.P. applications, many pack styles, changeover features and inclined versions.

Multi-head weighing systems can be combined with VFFS solutions to delicately handle small products such as biscuits - in pillow, gusseted or stand-up bags even using recyclable or sustainable wrapping materials - at high-speed, up to 200 ppm.



## STAND-UP POUCH SOLUTIONS

Compact design HFFS stand up pouch machines featuring vertical intermittent bag forming and horizontal filling stations with hybrid movement. IMA's new range of Doy machinery offers extreme flexibility thanks to a modular design making it able to produce bags from film reels or run and seal pre-made bags from an optional buffer. A solution that ensures great efficiency due to fully automatic format change over system on forming, filling, and sealing stations driven by magnetic shuttles.

# PIZZA & FLAT BREAD SOLUTIONS



- CHILLED PIZZA
- FROZEN PIZZA
- PINSÀ AND FOCACCIA
- NAAN
- PIADINA
- TORTILLA

Specially designed for the Pizza and Flat bread industry, IMA's individual machines and high quality, high throughput, fully automatic lines and M.A.P. solutions, ensure that your product has maximum shelf life and an excellent appearance on your customer's plate.

IMA's proven know-how and long experience in the pizza industry is expertly applied to our entire range of reliable, flexible and innovative packaging machinery designed and manufactured with your needs in mind.



## FLOW WRAPPERS

The IMA FLX rotary jaws flow wrapping machines have been designed to pack frozen IQF pizzas of various shapes and dimensions.

IMA FLX hygienic design flow wrappers – with IP65 protection, enabling full wash down capability - can be integrated into complete, automated packaging lines. From freezer outfeed to palletizing, IMA can offer turnkey solutions including diverting and aligning systems, shrink tunnels, phasing conveyors, metal detectors, checkweigher stations and end of line equipment.



## FLOW WRAPPERS WITH M.A.P.

IMA FLX flow wrappers, equipped with long dwell technology, ensure high-speed hermetic sealing for M.A.P. (Modified Atmosphere Packaging) applications also with the new sustainable barrier wrapping materials.

The range, conceived for the fresh pizza and flatbread sector, provides the top hygienic level available today besides offering superior performances in terms of speed and tightness.

Solutions designed to extend the pizza and tortillas shelf life, without using preservatives or alcohol, thus guaranteeing the product freshness.

IMA FLX also deployed a new bakery M.A.P. twin line which offers footprint and product flow performance advantages.





Pillow horizontal



3 side seal horizontal



### DEDICATED VACUUM AND M.A.P. SOLUTIONS

VacMap™ is a truly innovative flow wrapping machine that produces attractive traditional looking packs with a shelf life that, until now, was only available by using thermoforming. Particularly suitable for the spongy products that are typically found in the bakery industry, an in line vacuum system allows the machine to extract the oxygen that is trapped inside the product itself. Designed as a cost-effective alternative to expensive skin and thermoforming packaging, the Delta VacMap™ combines vacuum and modified atmosphere packaging (M.A.P.) in one machine. This solution allows the reduction of wrapping material use compared to a thermoforming application and, moreover, is capable of handling recyclable and sustainable packaging materials.



### 3 SIDE SEAL FLOW WRAPPERS

IMA FLX '3 side seal' flow wrapping machines are equipped with long dwell technology for the modified atmosphere (M.A.P.) and includes a unique high speed hermetic sealing system. Featuring fast and reliable format changeover, these platforms can switch automatically from three (3) side seal to standard pillow packs and vice versa. The hygienic, robust, and reliable design allows these HFFS machines to be integrated into automatic packaging systems. The 3 side seal pouches, ideal for flat and wide products such as flatbreads and tortillas, can be equipped with a wide range of reclosable features and with hang up solutions such as the euro hole or the punch hole.

# CAKES & PASTRIES SOLUTIONS

- CAKES
- LAYER CAKES
- PIES AND MUFFINS
- CROISSANTS & BRIOCHES
- PAIN AU CHOCOLAT
- DONUTS
- SCONES
- CRUMPETS
- FROZEN PASTRIES
- FLAT AND ROLLED DOUGH



IMA FLX offers a wide array of solutions for the packaging of fresh or frozen cakes and pastry products.

The range includes complete automatic lines equipped with feeding and robotic systems combined with HFFS flow wrappers with and without M.A.P. and with M.A.P. and Vacuum mode on the same platform. In addition to horizontal flow wrapping, IMA also supplies high-speed HFFS Stand Up pouch machines and VFFS vertical baggers coupled with dosing systems.



## FLOW WRAPPERS WITH AND WITHOUT M.A.P. AND VACUUM WITH M.A.P.

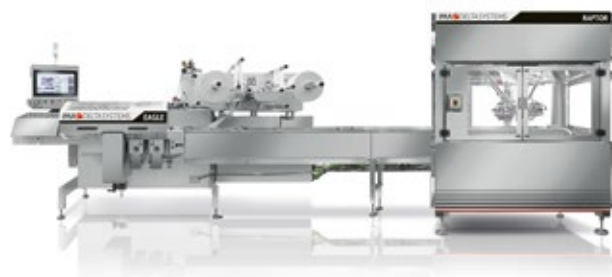
IMA horizontal flow wrappers can be tailored to match each customer's specific needs and deliver maximum production flexibility and efficiency at each performance level.

Available with manual, semiautomatic or automatic feeding systems according to customer requirements.

For a longer shelf life, IMA's models can pack pastry products in M.A.P. with barrier, paper-based, recyclable, and laminated films.

IMA FLX is active in applications where M.A.P. O<sub>2</sub> scavenger and VacMap™ technology replaces alcohol use, granting same performances through a simpler, safer and cost-effective solution.

The patented VacMap™ technology, which removes oxygen inside products and adds protective gas in the pack, is today available also for single-serve baked goods at high speed, 300-400 ppm.



## FLOW WRAPPERS WITH DISTRIBUTION AND HANDLING SYSTEMS

Product distribution and conditioning to a flow wrapping system forms part of IMA FLX's integrated solutions philosophy ensuring the highest efficiency is achieved and maintained. Integrated Distribution Systems include buffer storage and refeed modules, row removal, staging and feeding as well as gentle product handling and accurate timing. Cross belt feeding systems linked to flow wrappers and aligning systems for products coming randomly complete the range.

## FLOW WRAPPERS WITH INTEGRATED ROBOTIC SYSTEMS

IMA FLX's solutions with integrated robotic systems are the best option to handle products coming randomly or not aligned and ensure high flexibility in terms of format changes. These compact systems, such as pick & place or loading robots, may feed directly into the wrapper infeed or may pre-group the product to conveyors to allow subsequent delivery to the wrappers through smart belt systems that ensure constant delivery to the wrappers.



Pillow with and without gusseting



Pillow reclosable with stand-up feature



Quattro reclosable



Pillow vertical



Block bottom



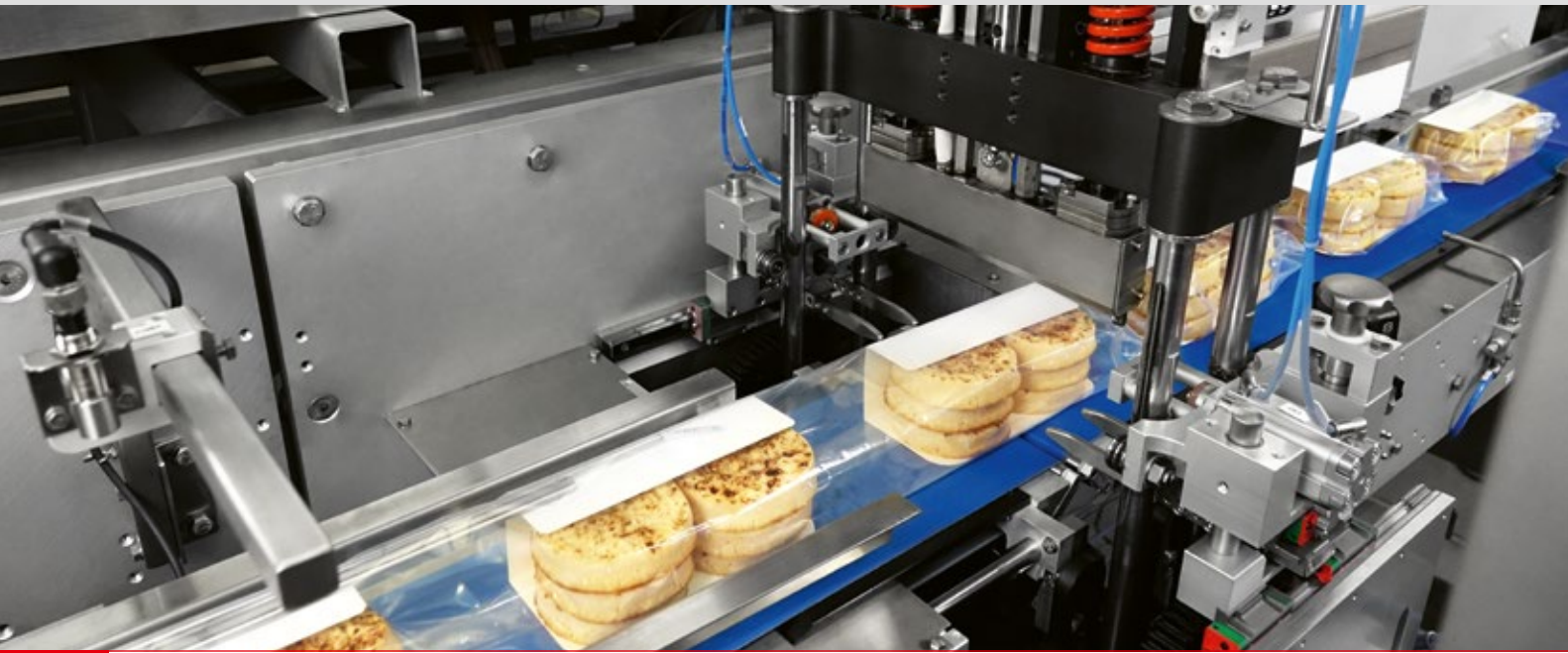
Quattro vertical



Doy with tear notch and zipper



# CAKES & PASTRIES SOLUTIONS



## STAND-UP POUCH SOLUTIONS

Compact design HFFS stand up pouch machines featuring vertical intermittent bag forming and horizontal filling stations with hybrid movement. IMA's new range of Doy machinery offers extreme flexibility thanks to a modular design making it able to produce bags from film reels or run and seal pre-made bags from an optional buffer. A solution that ensures great efficiency due to fully automatic format change over system on forming, filling, and sealing stations driven by magnetic shuttles.



## VERTICAL BAGGERS

With a maximum bag width of 600 mm, the IMA vertical baggers are ideal for packing fresh or frozen croissants and muffins into catering bags or for packaging pre-wrapped products in multipacks. For operations looking to switch frequently between different products, IMA VFFS machines can be fitted with solutions to increase line efficiency and make changeovers fast and easy.



## COUNTING SOLUTIONS AND VISION SYSTEMS

IMA linear counting systems use vibrating lanes to align products before counting them via fiber optic technology. These systems can be equipped with 4 up to 12 vibratory lanes to handle fresh, par-baked, frozen, and raw dough products. Additionally, IMA FLX vision systems use a combination of laser and line scan camera technology to count and feed baked goods into the infeed of a high-speed VFFS vertical bagger, while performing quality checks such as length, width, surface, and height. IMA solutions offer maximum flexibility in terms of product type, shape, and size.

# SNACKS SOLUTIONS



- SNACK BARS
- SALTY SNACKS:  
MINI PIZZAS, TORTILLAS  
CHIPS, MINI BRETZELS,  
BREZELS STICKS, RICE  
CAKES, BREAD CHIPS
- SAVOURY BISCUITS:  
CRACKERS, NON-SWEET  
BISCUITS

Year after year the number and variety of snacks that appear on grocery store shelves, in vending machines and in lunch boxes is increasing at a rapid pace. From snack bars and salty snacks to savoury biscuits and crackers, the success of these products depends upon attractive pack aesthetics and leak-proof seals to preserve freshness.

IMA's team of specialists takes great pride in its many years of hands-on experience in the snacks market, expertly applied to our entire range of reliable, flexible and innovative packaging machinery and automatic lines designed and manufactured with your needs in mind.



## FLOW WRAPPERS

IMA horizontal rotary jaws flow wrappers can be tailored to match each customer's specific needs and deliver maximum production flexibility and efficiency at each performance level. Solutions available for wrapping snack bars, savoury biscuits or snack products that do not require an extended shelf-life.



## FLOW WRAPPERS WITH M.A.P.

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. IMA FLX horizontal flow wrappers, equipped also with D-cam sealing technology, are precisely engineered to ensure hermetic sealing at high speed.





## FLOW WRAPPERS WITH ROBOTIC SYSTEMS

IMA FLX's solutions with integrated robotic systems are the best option to handle products coming randomly or not aligned and ensure high flexibility in terms of format changes. These compact systems, such as pick & place or loading robots, may feed directly into the wrapper infeed or may pre-group the product to conveyors to allow subsequent delivery to the wrappers through smart belt systems that ensure constant delivery to the wrappers.



X-Fold



Pillow with and without gusseting



Pillow reclosable with stand-up feature



Quattro reclosable



Pillow vertical



Block bottom



Quattro vertical



Doy with tear notch and zipper

# SNACKS SOLUTIONS



## VERTICAL BAGGERS AND MULTI-HEAD WEIGHERS

Since snacks are often small free flowing items, they are usually best packed using gravity.

The IMA FLX vertical intermittent and continuous motion IMA FLX vertical baggers can package snack foods in a wide range of bag styles. High-end machines can run traditional pillow and block bottom bags, Quattro bags with central or corner seal, Doy Shark pouches with or without inline zipper, 3SS bags up to pyramid bags. These baggers can be combined with new IMA multi-head weighers - featuring a hygienic design and designed for the best combination of speed and lowest give-away - to obtain a complete high-speed system (up to 200 ppm) for small products such as snacks.



## STAND-UP POUCH SOLUTIONS

Compact design HFFS stand up pouch machines featuring vertical intermittent bag forming and horizontal filling stations with hybrid movement.

IMA's new range of Doy machinery offers extreme flexibility thanks to a modular design making it able to produce bags from film reels or run and seal pre-made bags from an optional buffer.

A solution that ensures great efficiency due to fully automatic format change over system on forming, filling, and sealing stations driven by magnetic shuttles.



### ON EDGE X-FOLD WRAPPERS

Fully electronic X-Fold wrapper for biscuits, crackers, rusks and rice cakes on edge available in manual, semi and fully automated configurations. Feeding, stacking and automatic portioning systems available.

High performance solution able to reach up to 100 packs/min (mechanical), tight packs are assured thanks to advanced longitudinal sealing technology.



### SANDWICHING MACHINES AND FLOW WRAPPERS

Fully electronic sandwiching lines, wire-cut technology, for the production of sandwich biscuits and crackers, available with 1, 2 or 4 lanes. Turn-key solution with sandwiching line directly combined with flow wrapper for mono-layer or pile pack configurations available. Real time synchronization, compact solution and direct product transfer from the sandwiching towards the flow wrapper. Single and double cream colour and layer available.



# SECONDARY AND END OF LINE SOLUTIONS



Discover our full array of secondary and end of line packaging solutions to add the final touch that your product deserves. Thanks to our deep knowledge in advanced automation, we can deliver a comprehensive range of manipulation, cartoning, overwrapping, case packing, stretch banding, shrink wrapping, palletizing and de-palletizing solutions. Print & apply systems and modular labelers for self-adhesive labels complete our offering and contribute to cover almost any label application request.



Wrap-around tray with or without closing lid



Top loading tray and display box



Display box for flexible packs



Pre-glued carton for single product



Pre-glued carton for multiple products



Display boxes for flexible packs



## CARTONING MACHINES

Cartoning machines are designed to handle a wide range of carton formats allowing a gentle product loading at high, medium or low speed. Cartons can be closed with hot melt glue or tuck-in system. The screen controls deliver ease of use and step by step changeover for reliable and repeatable operations.



## FORMING MACHINES

Forming Machines with single, double or triple forming head are suitable for erecting a variety of cartons and trays starting from a flat blank, E-flute and corrugated carton boxes by means of hot-melt, turn-over end walls or locks.



## LOADING SYSTEMS

The Loading System is able to collate products individually and place them either flat or on edge in a vertical race track prior to be picked as a group and top loaded (Delta Robot) into cartoners (hinged lid boxes or RSC cases), side load cartoners or flow wrappers. These machines can be provided, if necessary, with a variety of infeed systems, multiple collecting units and robots. They can be stand alone or integrated with a Forming and/or Closing unit to be part of a MonoBlock (MB) machine.



Wrap around cases



Standard RSC case



Pallet



### CLOSING MACHINES

Closing machines are suitable to close the boxes along the three lateral flaps by hot melt closure. Hot melt glue is applied by a gun system (one gun sets the glue along the longest side of the box, the other two guns to the two smallest sides). Changeovers are quick and easy via the handswheel regulation system. The machines are provided with independent motor and a synchronising device placed at the infeed of the machine.



### CASE PACKING MACHINES

A wide range of side, top loading and wrap around case packers is available to handle all types of products and shapes. For each specific application and speed, we provide the best solution to pack either individual or bundled products into cases, display boxes or trays. Our case packers can be integrated with palletizing solutions in a compact structure.



### PALLETIZERS AND DEPALLETIZERS

Available in several versions ranging from basic applications, such as manual pallet loading, up to more sophisticated solutions, such as automatic feeding of empty pallets and unloading of full pallets, palletizers have a solid structure and use precise, rapid multi-axis robotized systems for accurate positioning of products on pallets.

# IMA ZERO

## IMA ZERO. OUR PLEDGE TOWARDS SUSTAINABILITY.

**IMA ZERO** is the foundation of our sustainable development programme. It includes all current practices, plus those we are currently implementing, and has the ultimate goal of minimizing environmental impact in industrial manufacturing, and of promoting and creating a working and living habitat that always puts people at the centre.

Economic results and social benefits are complementary objectives through which we have always generated value for our company, customers, employees, suppliers and for the entire community.

**IMA ZERO** definitely represents and embodies the Group's

desire and dedication to change and give a positive and eco-friendly impact, identifying four pillars to follow: **NOP** (No-Plastic Program), **LOW** (Low Impact Program), **E-MOB** (Sustainable Mobility Program) and **YOU** (Human-Centric Program). All these pillars put at the forefront the environment and the people living in it.

Starting from innovation, **IMA ZERO** is our very latest promise to create products, production processes and services, benefitting from a renewed logic of sustainability and from the awareness that **our commitment today will help to shape the world of tomorrow.**



IMPACTING PRESENT, AFFECTING FUTURE.



### NOP: NO PLASTIC PROGRAM

Through the research and testing of alternative processes and materials, together with specialised partners, IMA fosters **plastic-free and sustainable, compostable or biodegradable packaging solutions.**

IMA has established the **Open Lab** where Material Technologists study, develop and test compostable and recyclable materials to be used on its packaging equipment.





**Z E R**

IMPACTING PRESENT AFFECTING FUTURE

Flow wrapping machine

DELTA WW OF-HSX

Flow wrapping machine

# OPEN LAB

OpenLab is the IMA Group's network of technological laboratories and testing area, dedicated to the research of sustainable materials, technologies and production optimization processes.

## LABORATORIES:

- Lugano - CH
- Foiano Della Chiana (AR) - IT
- Bologna - IT
- Lowell, Ak - USA



## MAKE INFORMED MATERIAL DECISION

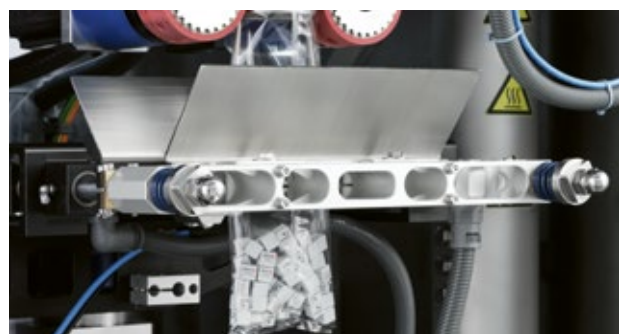
OpenLab has carried out in-depth analysis of the composition and performance of most flexible films available on the market. Drawing from this extensive library and on its own practical experience, IMA FLX HUB can help you to enhance efficiency by selecting the best film for your application.

## TECHNICAL TROUBLES? OPENLAB'LL GET SHOT OF THEM

OpenLab experts will work through any technical glitches that are preventing your film and your packaging machine from interfacing seamlessly. Whether it's a different film composition or a mechanical machine fault that is causing an issue, IMA FLX HUB will analyse both material and machine to diagnose the problem and restore reliable performance.

## TEST TOMORROW'S FILMS. TODAY

OpenLab evaluates most emerging sustainable and breakthrough materials before they are even commercially available in order to know how to run them on the IMA FLX HUB machines. If you are thinking about introducing a new biodegradable, performance-enhanced or ultra-thin film, be sure to take advantage of OpenLab testing capabilities. IMA FLX HUB can design a turn-key machine to accommodate the sealing and running characteristics of your chosen film. In addition, the offer includes thorough testing of new materials, from laboratory analysis right through to trials on production lines that simulate real-life conditions – avoiding actual downtime and costly mistakes.



# ABOUT IMA GROUP

IMA Group is world leader in the design and manufacture of automatic machines for the processing and packaging of pharmaceutical, personal care, food, tea and coffee products.

The Group is present in around 80 countries, supported by a sales network made up of 29 branches (Italy, France, Switzerland, the United Kingdom, Germany, Austria, Spain, Poland, Israel, Russia, the United States, India, China, Malaysia, Thailand and Brazil), representative offices in central-eastern Europe and more than 50 agencies.

IMA Group has more than 40 production plants in Italy, Germany, France, Switzerland, Spain, UK, USA, India, Malaysia, China and Argentina.

In planning its strategies, IMA Group takes account of the economic, social and environmental impact of its operations, adhering to the principles of sustainable growth and Corporate Social Responsibility.

[Explore on ima.it/en/flexible-packaging-hub](https://www.ima.it/en/flexible-packaging-hub)

## IMA BRANDS FOR THE BAKERY MARKET

 **FLUX**

 **ILAPAK**

 **DELTA SYSTEMS**

 **EUROSICMA**

 **RECORD**

 **TECMAR**

 **EOL**

 **CIEMME**

 **BFB**

 **MESPIC**

 **PHOENIX**



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