

CONFECTIONERY

PROCESSING & PACKAGING SOLUTIONS

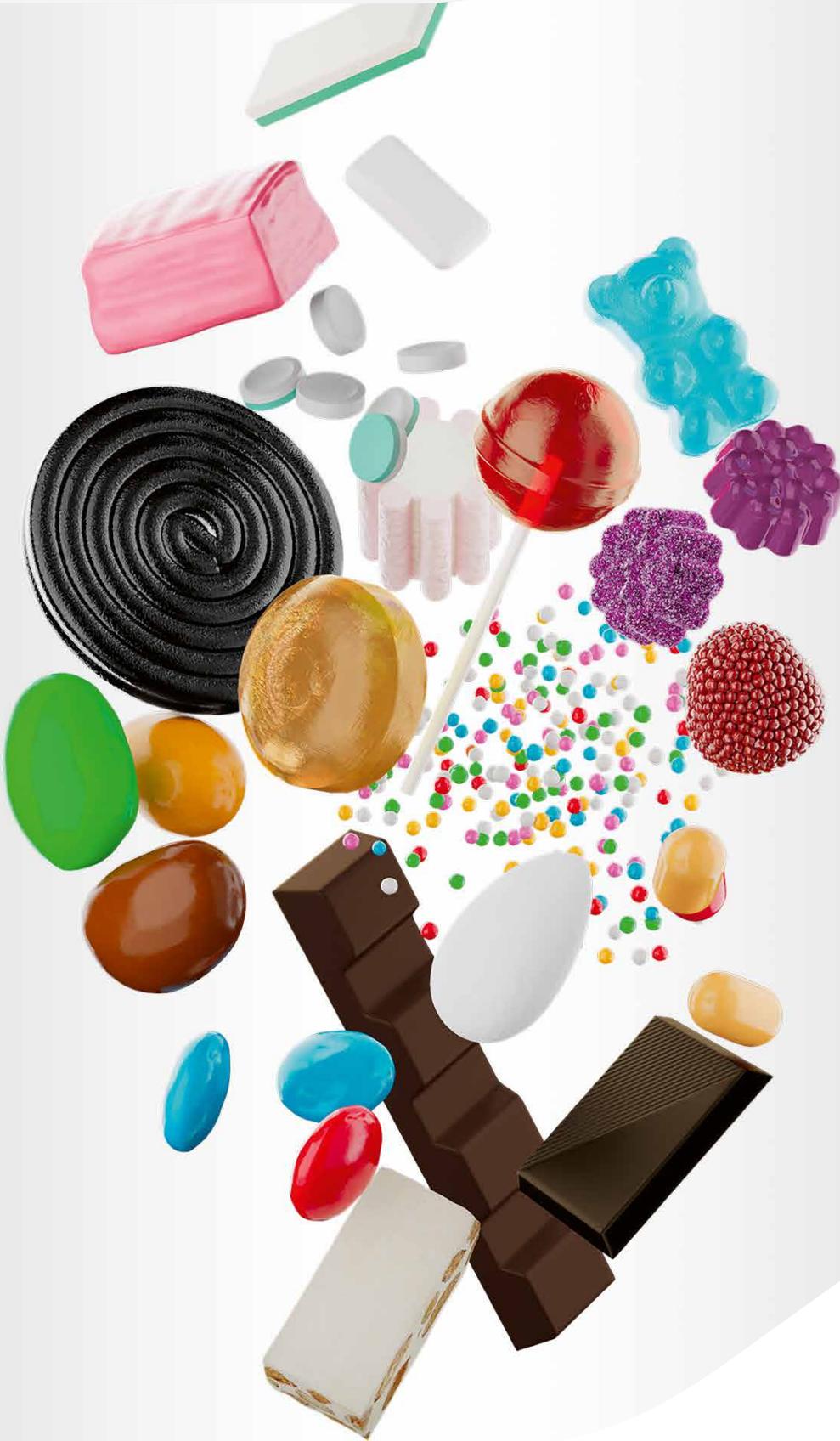


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CONFECTIONERY PACKAGING IN ALL SHAPES AND SIZES

In today's world of fast-moving confectionery trends, only IMA has the ability to respond to the most diverse processing and packaging requirements.

A flexible approach to your needs and the ultimate in packaging variety will enhance your products, giving them a competitive edge on the market thanks to their additional appeal.

Whatever your specialty or your specific objective, IMA can provide turnkey solutions based on decades of experience and home-grown technologies which will transform your ideas into reality.

A team of international sales staff with in-depth knowledge of your sector and a strong technical background in processing and packaging are at your disposal to deliver the solution you require.

From tableting and coating to filling and capping to wrapping and cartoning, right up to end-of-line requirements, IMA has the most flexible answers for each step of the process.



Gum slabs & sticks



Gum pellets



Bubble gums



Soft, jelly and
chewy candies



Hard candies
and lollipop



Chocolate dragées



Sugar coated nuts
and candies



Nonpareil &
sprinkles



Powder



Tablets & nougat



Moulded &
enrobed bars



Napolitains &
pralines

IMA EQUIPMENT FOR THE CONFECTIONERY INDUSTRY

PROCESSING



Powder handling & granulation



Tableting



Coating

PACKAGING



Gum slabs fold wrapping



Wallet from flat blank



Blister



Cartons



Rigid container



Pillow bag



Vertical quad seal bag



Doypack with tear notch and zipper



Block bottom bag

SECONDARY PACKAGING



Pre-glued carton for single and multiple products



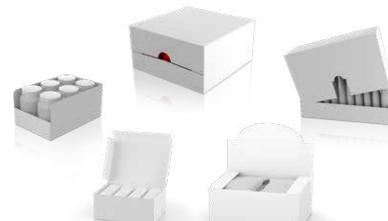
Wrap-around tray with or without closing lid



Stand-up carton



Overwrapped single and multiple products



Top loading tray and display box

END-OF-LINE



Wrap around case



Standard RSC case



Pallet

PROCESSING SOLUTIONS

WE SHAPE YOUR TASTE

Powder handling, dosing, mixing, granulation or compression. Powder layering and coating of cores, should they be pressed candies, sugar crystals, almonds, or chocolate units.

An extensive range of technical solutions has been developed by IMA through the years. It is the know-how, or better, the know-why behind the technical solutions themselves that makes IMA technologies suitable for any application.

Just play with the working parameters on the HMI, change a few settings on the machine configuration, and you obtain a highly efficient, reliable installation for confectionery processing.



BIN TUMBLERS

Smart design, small footprint, accurate finishing. Designed for blending and homogenizing powders and granules, IMA's bin tumblers can be installed through-the-wall to save space in the processing area. The innovative Trigon System completely blocks and blends a large series of bins without any additional devices, while the dual blending inclination ensures optimal mixing with minimum mixing time.

- CYCLOPS



FLUID BED PROCESSORS AND HIGH SHEAR MIXER GRANULATORS

Powder treatment to improve solubility or subsequent compression or coating of microgranules: IMA granulation technologies make every process smooth, reliable and highly efficient. IMA supplies a complete range of granulation equipment: from small laboratory scale equipment for R&D purposes to industrial equipment. Fluid bed processors and high shear mixer granulators achieve maximum product yield, while reducing maintenance to a minimum.

- ARIA
- ROTO MIX



TABLET PRESSES

Everything gained in years of experience and expertise in the industry has been carefully channelled into PREXIMA, IMA's series of tablet press machines. PREXIMA is the best solution to handle all powdery substances and production volumes both for single and for double layer tablets. Its exceptionally rigid structure guarantees both pre-compression and main compression forces up to 100 kN with maximum reliability. The high yield motorisation makes PREXIMA suitable also for low melting and heat sensitive products.

- PREXIMA

COATING PANS

Flexibility is the hallmark of IMA's coating equipment, providing smart solutions to maximise efficiency in sugar coating processes or powder layering on a wide variety of cores. The design of both solid wall and perforated pans ensures perfect mixing and gentle product handling as well as uniform distribution of the sprayed coating solution. The outlet air duct is scaled for optimal drying of the cores and energy saving.

- EFFECTA

- GS

PACKAGING SOLUTIONS

WRAPPING, BLISTERING AND CARTONING MACHINES FOR GUM SLABS, PELLETS AND CANDIES

A high-performance range of wrapping, blistering and cartoning equipment able to handle gum slabs, pellets and candies providing a variety of packaging solutions according to your needs.

High-speed processing, accuracy and optimum product handling are the key characteristics of the machines dedicated to gum packaging. Inbuilt flexibility enables you to be creative in terms of packaging shapes and follow market trends without incurring unwanted costs.



GUM SLAB WRAPPING MACHINE

High-speed fold wrapping machine for Gum Slabs. Innovative Twin Lane configuration achieves reliability and combines high performance with accurate and gentle product handling.

Designed to fit limited spaces, the machine has an extremely compact footprint and wraps up to 3000 slabs/minute in single fold wrap style. Products group at the machine outfeed point ready for transfer to further packaging stages.

- SWM3000
- SWM2500
- SWM1500



BLISTER PACKAGING MACHINE

IMA boasts the widest range of blister solutions on the market, from medium-speed models to ultra-high-speed blister machines handling up to 700 blisters/minute.

More than 10,000 installations and featuring the latest feeding technologies have made IMA the world's leading expert in feeding systems. Thanks to a broad, consolidated experience, IMA blister packaging machines are able to handle all products regardless of shape, size or type (dusty or sticky products).

- C80
- C40
- TR200
- SUPER
- EXCEL SMART

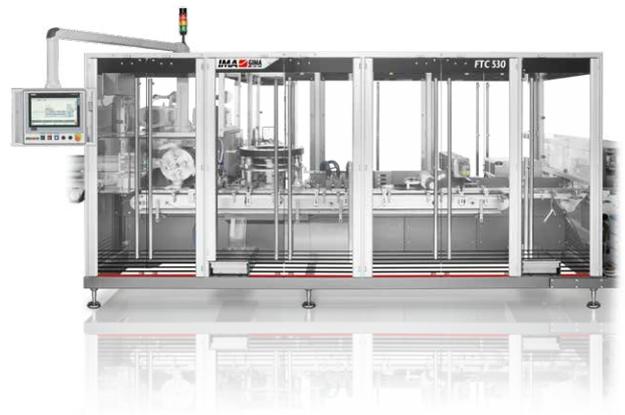


WALLET PACKAGING MACHINE FROM FLAT BLANKS

Highly flexible in terms of packaging size and shape, flat blank cartoning machines are designed with large capacity magazines for flat blanks and enable high-speed processing and easy access for maintenance and changeover. According to the model, horizontal intermittent motion or continuous motion high-speed rotary, they can be fitted with an automatic carton feeding system and can be connected with single or multiple slab/stick wrapping machines.

The machines can also be arranged to handle rigid containers.

- FCW300
- FCW600



SLEEVE CARTON PACKAGING MACHINE FROM FLAT BLANKS

Continuous motion, high-speed cartoner for flat blanks offering numerous benefits such as lower procurement costs compared to pre-glued carton and a tight, zero-tolerance fit around the product. The large capacity carton magazine holds up to 3 times more than standard types.

According to the final pack, the machine can be arranged to handle a simple sleeve or a multi panel wallet.

- FTC530
- FTC530/W

PACKAGING SOLUTIONS

DOSING AND FILLING FOR CARTONS AND RIGID CONTAINERS

The art of feeding soft and hard candies, gum pellets and other solid products is one of IMA's strong points, offering you a wide range of packaging solutions in carton, plastic and metal containers of various types and sizes, with dispensers or top opening, pressure or screw caps, to best meet all of your requirements.



VERTICAL DOSING AND FILLING MACHINES

Continuous or intermittent motion vertical dosing and filling machines with integrated feeding and capping system for plastic and metal containers. Extremely versatile machines handling several types of products in different formats.

- FTC517-PL
- FTC509-PL
- MINILINE
- Stand-alone units:
sorting systems, dosing systems, capping units and others



VERTICAL CARTONING MACHINES

Compact vertical dosing and filling machines designed to handle various styles of carton packs.

Capable of being connected with all the possible product feeding systems such as counting, volumetric or weighing units, these machines are designed for modular configuration as well as high-speed operation.

In addition, IMA has the know-how and experience to provide our customers with a full consultancy service - from the design phase through to end-of-line equipment - helping them create a new, smart and sustainable pack.

- FTC578
- FTC517
- FTC509
- FTC570



FEEDING SYSTEMS

A variety of feeding systems can be integrated into your processing line depending on your needs and according to whichever product you are handling.

- SLAT COUNTING SYSTEM
- MULTI HEAD WEIGHING SYSTEM
- ELECTRONIC COUNTING SYSTEM
- VOLUMETRIC FILLING SYSTEM
- POWDER FEEDER
- SPECIAL FEEDING SYSTEMS

HORIZONTAL CARTONING

IMA cartoners are designed to run efficiently, reliably and with fast changeovers. They are easy to operate and at the same time ensure high operational standards. Maintenance needs are minimised. Each machine is designed to optimise valuable floor space with innovative solutions, such as carton transport by way of belts, tuck-in closing solutions and balcony construction.

- X1
- FLEXA
- DYNAMICA
- A83

PACKAGING SOLUTIONS

HORIZONTAL AND VERTICAL FORM, FILL AND SEAL TECHNOLOGIES

More than 50 years of experience in manufacturing automatic flow packing machines and lines for handling, feeding and packaging products such as candies, jellies, lollipops, bubblegums, chewing gums, chocolate, marshmallows, bars and sweets in general.

According to product specifications and packaging needs, we can offer a wide range of standardised machine models and tailor-made fully customised systems.



HFFS FLOW WRAPPER WITH INTEGRATED CENTRIFUGAL DISC FOR JELLIES, LOLLIPOPS AND PELLETS

Compact and modular flow wrapping machine equipped with centrifugal disc feeding system, designed to pack candies and many small confectionery items at high speed. Flexible, efficient, user-friendly and ensuring excellent durability, the Euro 77 DS 900 machine can be equipped with specific kits to pack also jellies, lollipops and pellets. The Euro 77 is fully servo-driven using an independent brushless motor to drive and control every single machine axis. This makes the machinery extremely flexible and very easy to maintain. Speed up to 2000 pcs/min.

- EURO 77 DS 900



HFFS CUT AND WRAP FLOW WRAPPER FOR PRODUCTS COMING IN ROPE

Modular and flexible cut & wrap flow pack machine to handle and portion chewing gums, bubble gums, toffees and all the products coming in rope from extruder. According to the shape and the dimensions of the 'finished products', two configurations are available:

- EURO 77 TIV: specially designed for small size products and equipped with a scissor cutting system able to perform high speed operation
- EURO 77 TIR: specially designed for medium/long size products and equipped with a new continuous rotating cutting system.



FLOW WRAPPING MACHINES FOR GUM SLABS

According to the shape and the dimensions of the finished products, two dedicated modular flow wrappers are available for chewing gum slabs. Handling, pre-scoring and trimming units are in-house designed and integrated into the wrapping system. The EURO 77 AP is designed to wrap rectangular shaped gum slabs and the machinery configuration requires the infeed conveyor placed at 90° compared to the wrapper. The EURO 77 DT is designed to wrap square shaped products and equipped with the infeed conveyor and the flow wrapper in line positioned. The flow wrappers are complete with vertical loader, rotary pre-scoring unit, timing conveyor, cutting and separating wheel.

- EURO 77 AP
- EURO 77 DT

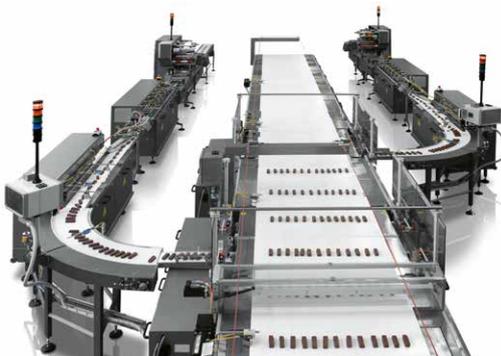


HFFS FLOW WRAPPING FOR MARSHMELLOWS

Flow wrapper equipped with orientating disc and in line integrated feeder suitable for small confectionery products coming in bulk. Suitable for small confectionery items coming in bulks, such flow wrapping line is equipped with a centrifugal disc feeder able to orientate the products in one single lane, short side leading. The Timing & Feeding system HSF8 is composed by 8 independently servo-driven belts and collects the products from the centrifugal disc. It is an high speed pressure-less and contact-less system able to time products with extreme care and gentle handling. Output: up to 600 ppm

- EURO 88 HSF8 WITH DISC FEEDER

PACKAGING SOLUTIONS



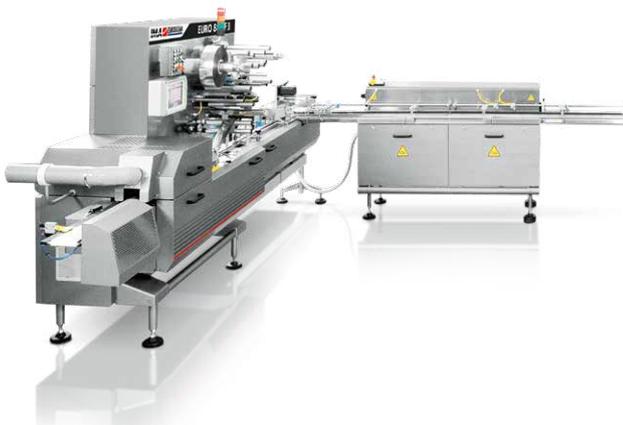
FROM PRODUCT DISTRIBUTION AND HANDLING TO FLOW WRAPPING

Product distribution and conditioning to a flow wrapping system forms part of our integrated solutions philosophy ensuring the highest efficiency is achieved and maintained.

Integrated Distribution Systems include buffer storage and re-feed modules, row removal, staging and feeding as well as gentle product handling and accurate timing from mass flow process delivery which are all actively monitored and balanced in line with the flow wrapping modules to ensure consistent systems capabilities and achieve the highest operating efficiency. Cross belt feeding systems linked to flow wrappers are also available.

Aligning systems for products coming randomly complete the range for the handling section.

All the distribution systems might be provided with a choice of control platforms fully integrated to the wrapping solution to ensure a seamless installation and long term support capability.



FLOW WRAPPER WITH INTEGRATED CROSS FEEDING SYSTEM

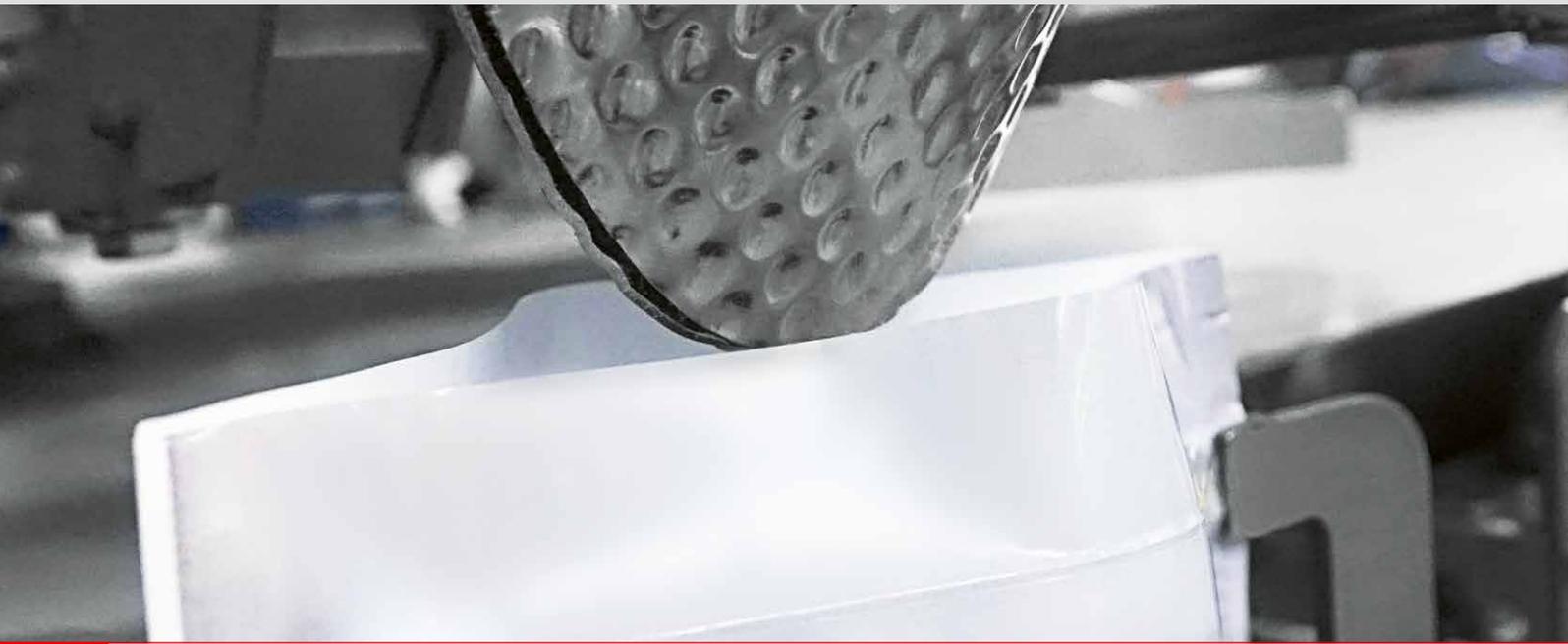
Designed to receive long side leading products, placed in single lane and suitable for a wide range of confectionery and bakery products, mainly with regular shape, such as chocolate enrobed bars, wafers biscuits and many more.

The feeding system, placed at 90° or 110°, is composed by 3 servo-driven belts and is able to grant extremely low and carefully monitored pressure between the products. Speed up to 350 ppm.

- EURO 88 CF3



PACKAGING SOLUTIONS



HFFS STAND-UP DOYPACK MACHINES

Innovative high-speed Doypack machinery with a unique continuous motion system for product filling, with an increased time of product drop. Designed to form flat film roll stock into high quality Doypacks with fully integrated filling solutions for solid and granular confectionery products.

Given its versatility, the IMA Ilapak LUX DC 235-150/8 is suitable for a wide range of bag dimensions and filling volumes, as well as the possibility to equip the Doy pouches with re-closable zipper, shaped round corners, easy open tear notch and hole punch.

- LUX DC 235-150/8





VFFS BAGGERS AND WEIGHING SOLUTIONS

A wide range of vertical baggers is available, intermittent or continuous motion, from low to high speed and capable of handling a variety of confectionery products such as candies, pralines, bites, chocolates and coated sweets and offering a choice of packaging styles, with reclosable systems, from pillow bag (with or without hanging hole) to block bottom, quad seal bags and Doy Shark.

Integrated solutions consisting of vertical baggers coupled with multi-head weighers are also available and combined according to specific customer requirements in terms of product and production speed.



IMA's vertical baggers with open frame design ensure easy cleaning and great accessibility for maintenance and operational adjustments. Machines are controlled by a PLC and equipped with a user friendly HMI.

- 3C-130
- 3C-200
- Vegatronic 500 coupled with WA 10-25
- Vegatronic 2000RJ coupled with WA 14-25
- Vegatronic 6000 coupled with WA 16-10 Slim

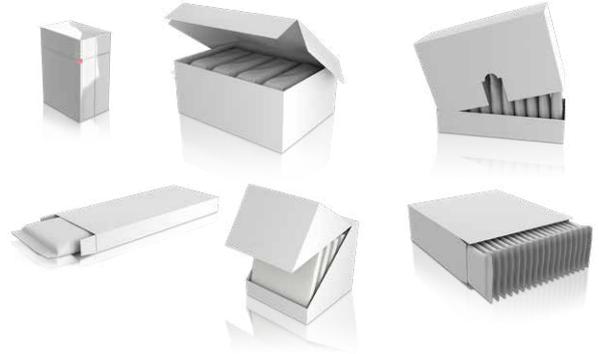


SECONDARY AND END-OF-LINE SOLUTIONS

OVERWRAPPING, TRAY AND DISPLAY BOX TECHNOLOGIES

In order to ensure your products stay in perfect shape for longer at each point of sale, our overwrapping solutions offer precision and premium quality. The Fin Seal versions hermetically seal each package to protect the contents from moisture and thus prolong their shelf-life.

Not just simple trays, but an array of packaging solutions for display boxes that, with minor technical adjustments, can help you cut production costs while maintaining high quality countertop presentation.



HIGH-SPEED OVERWRAPPING MACHINES

High and ultra-high-speed overwrappers ensuring top quality package appearance, thanks to advanced technical solutions. Air-tight sealing is available with the Fin Seal model, ideal for products that are sensitive to humidity or to extend their shelf life.

- FTO513/FTO513 Fin Seal
- FTO511
- 3705

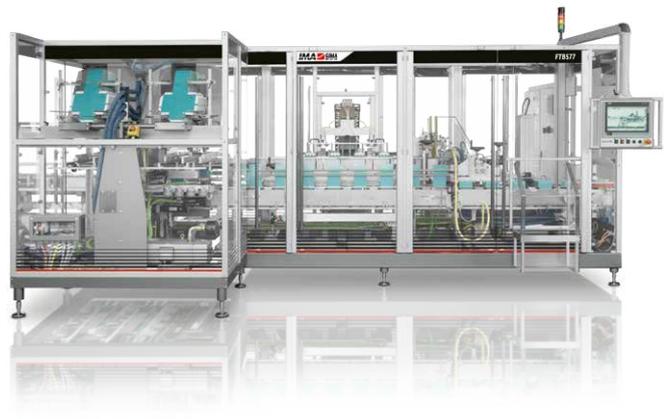
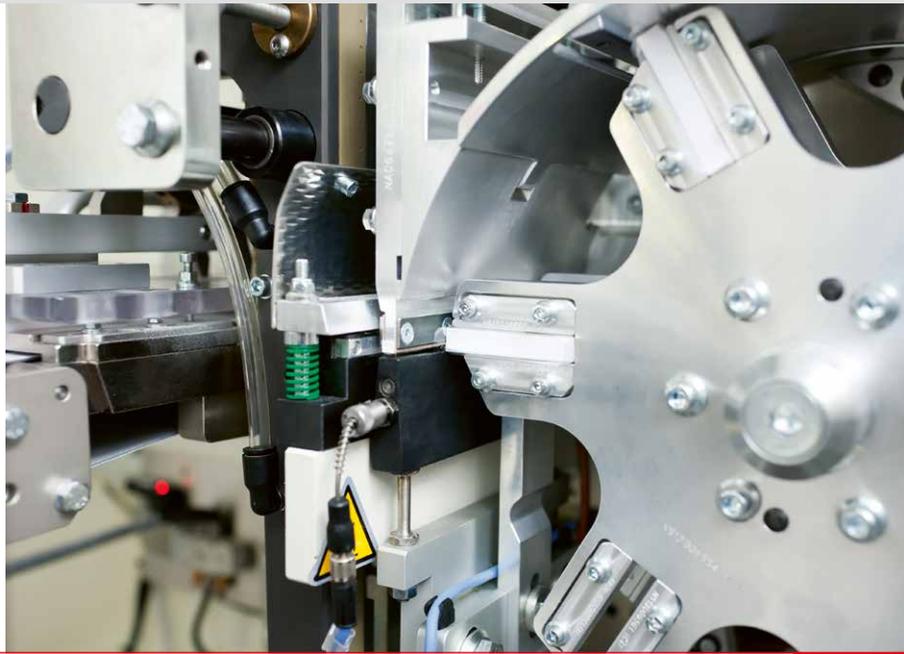
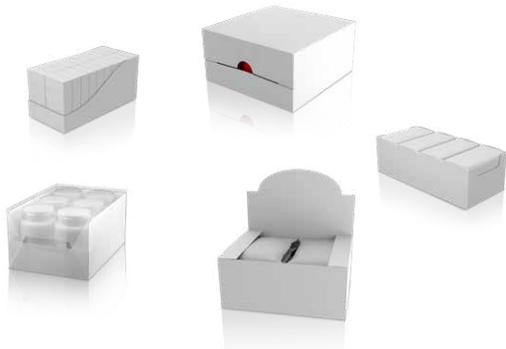


MEDIUM SPEED OVERWRAPPING MACHINES

Selection of overwrapping machines for display boxes ready to handle medium and big size boxes or multipacks with continuous product discharge system to facilitate the lateral sealing stage. Available with tear-tape unit, double reel holder and automatic film splicing.

Easy maintenance and fast size changeover procedure.

- FTO518
- A50
- A100
- 3711
- 3721
- HYWRAP20



TRAY PACKING MACHINES

Medium and high-speed display box forming and filling machines. The machines with wrap-around technology ensure total content wraparound with zero tolerance.

Each machine is designed to optimise valuable floor space and reduce the number of operators.

- FTB569
- FTB512-514
- MMP400

TOP LOADING CARTONING MACHINES

The IMA top-loading cartoners for display boxes use a modular carton magazine to increase blanks capacity and thereby boost productivity.

Thanks to the specific modular design, the machines and product feeding units are extremely flexible, enabling processing of countless product and pack types. Excellent production efficiency combined with minimal maintenance requirements. The widest range in terms of display box size and product configuration arrangement.

- FTB577
- FTB608
- FTB575
- CR

SECONDARY AND END-OF-LINE SOLUTIONS

IMA has a long tradition of designing and manufacturing end-of-line machines.

The machines and feeder units are extremely flexible, enabling the processing of countless types of product and package. The constant flow of ideas generated by our close-knit team has resulted in a number of innovative concepts such as machines with a small footprint, integrated packaging solutions, rapid size changeover and the handling of complex or non-standard products. The machines feature a robust balcony structure and are designed with the operator in mind. Simple to use and easily accessible, they guarantee maximum protection for both operator and product, at every stage of production. The number of size parts is kept to a minimum and size changeover is tool-free.



TOP LOADING VISION GUIDED

The CV design is a modular top loader and the output of the line is scalable: with a flexible number of pick and place robots, the required packaging quantity can be achieved as needed.

The products are fed to the robot cell on a conveyor belt. The infeed and outfeed flows are parallel and can be either co-flow or counter flow. Changeovers can be conducted in few minutes, including gripper exchange. Vision control is used for load/line balancing and ensures that only good quality products are packed. Vacuum cup end effectors ensure gentle product handling even at high speed.

- CV



CONTINUOUS CARTONING MACHINE

The AC200 is a continuous cartoner designed to handle a wide range of carton formats allowing a gentle product loading at high speeds. The AC200 uses a 3-head rotary feeder with positive pre break for maximum speed and efficiency, glue (or tuck-in) flap closing.

Thanks to different types of packaging feeding modules (including robotized unit), products are perfectly placed into the pockets of the cartoner infeed conveyor. Touch screen controls deliver ease of use and step by step changeover for reliable and repeatable operations.

- AC200



SIDE AND TOP-LOADING CASE PACKING

Our case packers can be integrated with palletizing solutions in a compact structure and with an extremely simple pallet management.

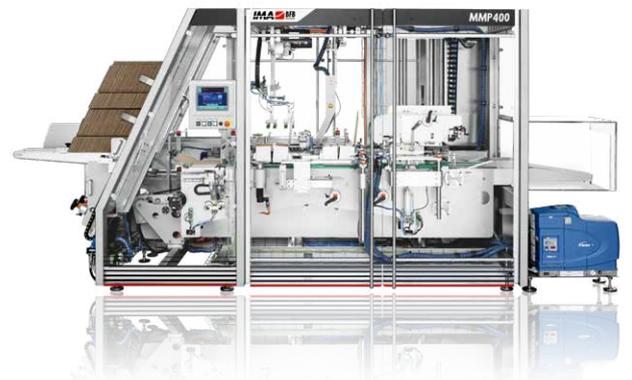
- CPH2
- CP18-28
- CPV15-20



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 reduced power consumption.

- MS260
- MS560 - T600



WRAP-AROUND CASE PACKING

IMA wrap-around case packers are built to pack either individual or bundled products into cases, display boxes or trays starting from flat-blanks. These machines have 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.

- MMP400
- MMP600
- WA

SECONDARY AND END-OF-LINE SOLUTIONS



PALLETIZING AND DEPALLETIZING

Available in several versions ranging from basic applications up to more sophisticated solutions, IMA BFB palletizers have a solid structure and use precise, rapid multi-axis robotized systems for accurate positioning of products on pallets. Our offer includes integrated case-packing and palletizing solutions in a compact structure and with an extremely simple pallet management.

- RP2 / RP4 Palletizing modules
- RD2 / RD4 Depalletizing modules
- Depalletizing / Palletizing modules

CUSTOMIZED ROBOTIZED PLATFORMS

CUSTOMIZED ROBOTIZED PLATFORMS

Customized solutions complete with robot solutions (i.e. Gantry Robots) and integration of additional manipulators made by standard robotics, providing tailor-made productive cell design.



FEEDING AND MANIPULATION

IMA is able to provide customized robotic handling, assembly and feeding systems for shaped containers or unstable products. IMA offers flexible and modular technological solutions to set up a complex assembly line and to transfer products between assembly modules.

- T-LOAD Tray loading system
- TLS Top loading system

IMA ZERO

IMA ZERO. OUR PLEDGE TOWARDS SUSTAINABILITY.

IMA ZERO is the foundation of our sustainable development programme. It includes all practices already in place, 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 will 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.

IMPACTING PRESENT AFFECTING FUTURE



Z E R

IMA BFB

IMPACTING PRESENT AFFECTING FUTURE



Z E R

IMA BFB

IMPACTING PRESENT AFFECTING FUTURE



Z E R

IMA BFB

ABOUT IMA GROUP

IMA BRANDS FOR THE CONFECTIONERY MARKET

IMA **ACTIVE**

Powder handling, dosing, mixing, granulation, compression and coating.

IMA ACTIVE DIVISION

Via I° Maggio, 14
40064 Ozzano dell'Emilia (BO) - Italy
mktg.soliddose@ima.it

IMA **GIMA**

Fold wrapping, vertical dosing and filling in carton and rigid containers, cartoning from flat blanks for sleeve and wallet, overwrapping, tray packing, top loading cartoning, robotized platforms.

IMA GIMA DIVISION

Via Kennedy, 17
40069 Zola Predosa (BO) - Italy
marketing.gima@ima.it

IMA **SAFE**

Blister packaging and horizontal cartoning from pre-glued.

IMA SAFE DIVISION

Via I° Maggio, 14/16
40064 Ozzano dell'Emilia (BO) - Italy
mktg.packaging@ima.it

IMA **ILAPAK**

Vertical form, fill & seal baggers and weighing solutions.

ILAPAK ITALIA S.p.A.

Via L. Lama 11/13
52045 Foiano della Chiana (AR) - Italy
marketing.ilapak@ima.it

IMA **DELTA SYSTEMS**

Horizontal form, fill and seal, product distribution machines.

IMA DELTA SYSTEMS

211 Commerce Parkway
Lowell, Arkansas 72745 - USA
sales.deltasystems@ima.it

IMA **EUROSICMA**

Horizontal form, fill and seal machines, cut & wrap flow pack machines, product distribution systems.

EUROSICMA

Via M. Buonarroti, 6
20054 Segrate (MI) - Italy
sales.eurosicma@ima.it

IMA **TECMAR**

Vertical form, fill, and seal baggers.

IMA TECMAR

C. Matteoti 64,
(B7608BJB) Mar Del Plata,
Buenos Aires
ventas@tecmarsa.com

IMA **CIEMME**

Forming, closing and loading units, case packing and wrap around.

IMA CIEMME

Via Padre Meroni, 10/B
22031 Albavilla (CO)
sales.ciemme@ima.it

IMA **BFB**

Overwrapping, stretch banding, shrink wrapping, side-loading, top-loading and wrap around case packing, depalletizing/palletizing, robotized platforms.

IMA BFB

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