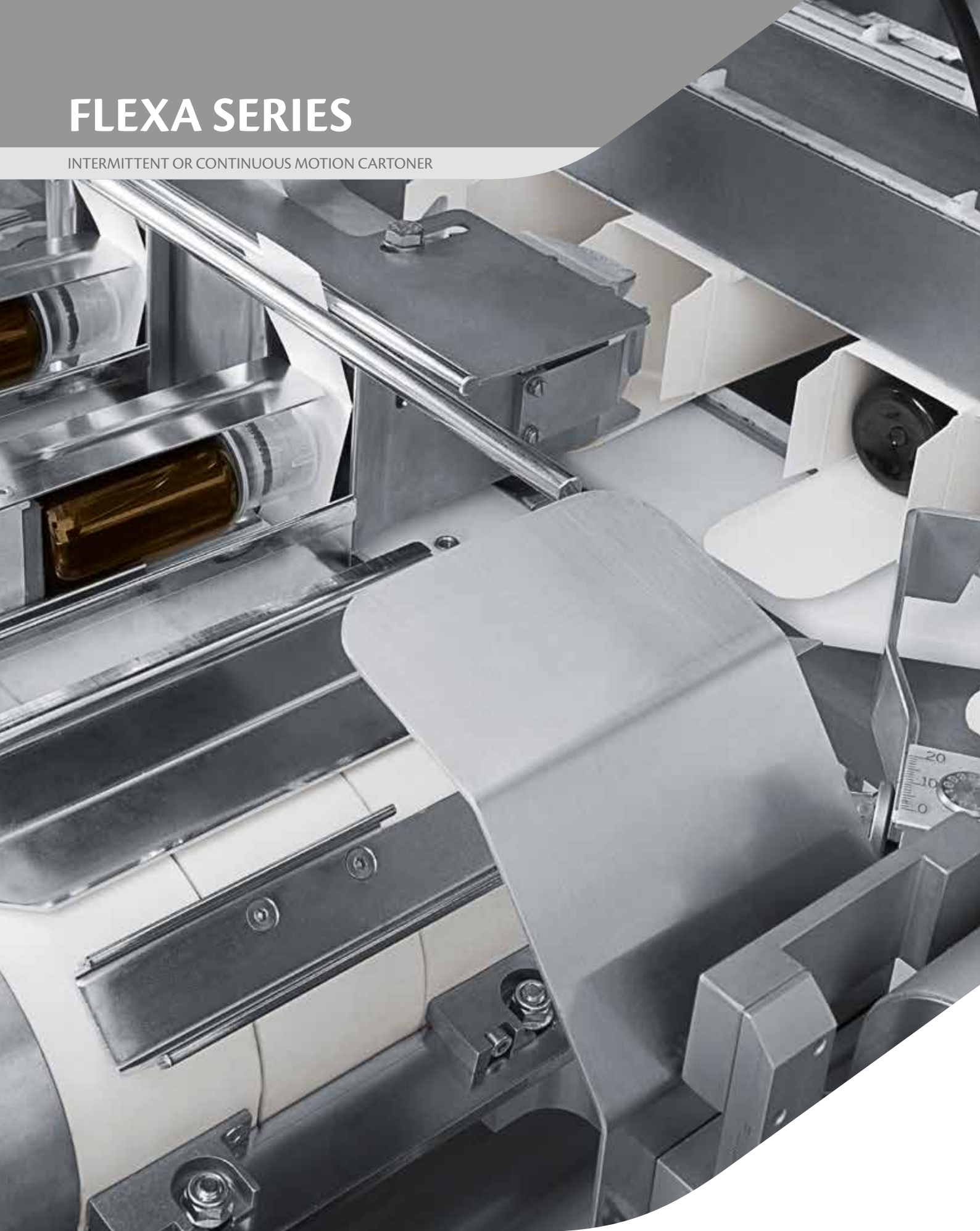


FLEXA SERIES

INTERMITTENT OR CONTINUOUS MOTION CARTONER

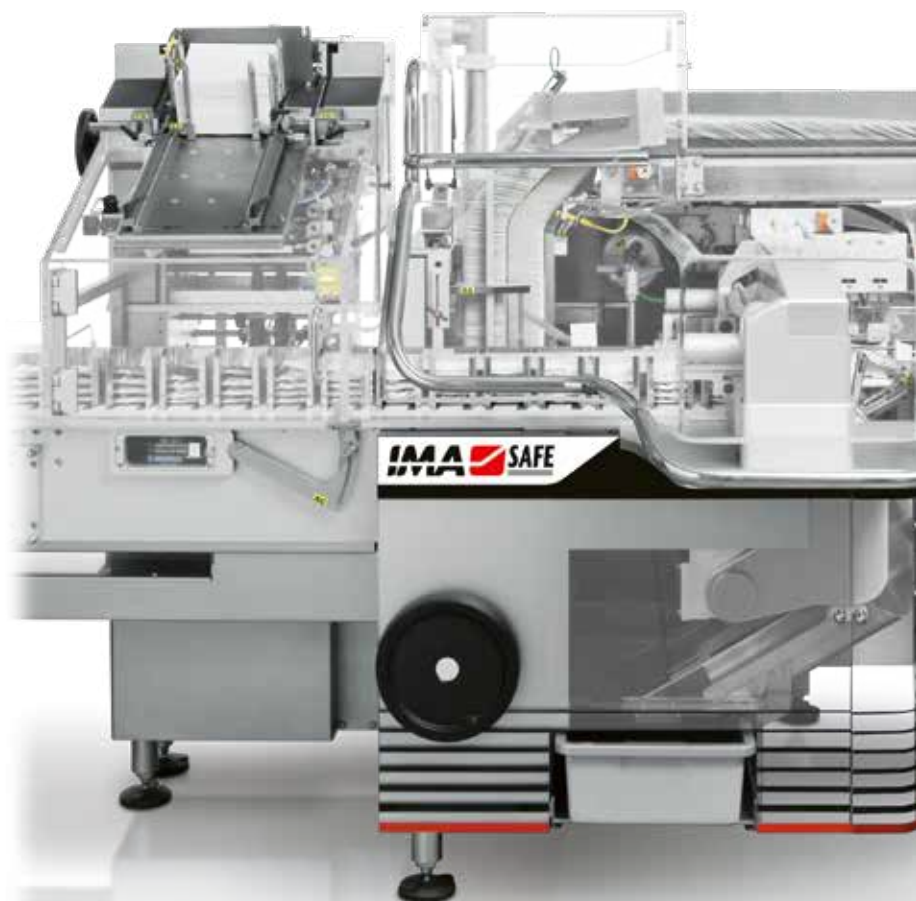


FLEXA SERIES MULTIPURPOSE INTERMITTENT OR CONTI



FLEXA SERIES IS A MULTIPURPOSE MEDIUM SPEED RANGE CARTONING MACHINE, SUITABLE TO ANSWER TO THE NEEDS OF COMPLETELY DIFFERENT MARKETS: PHARMACEUTICAL, PERSONAL & HOME CARE, FOOD & DAIRY ETC.

This versatility is given by a design concept thought to accommodate the most varied product feeding systems: from purely pharmaceutical products such as blisters or vials, up to biscuit packs or even perfume bottles. There is no limit of application neither in terms of product fed, nor about carton format since FLEXA can handle big cartons and special formats such as perfume sample pack.



NUOUS MOTION CARTONER

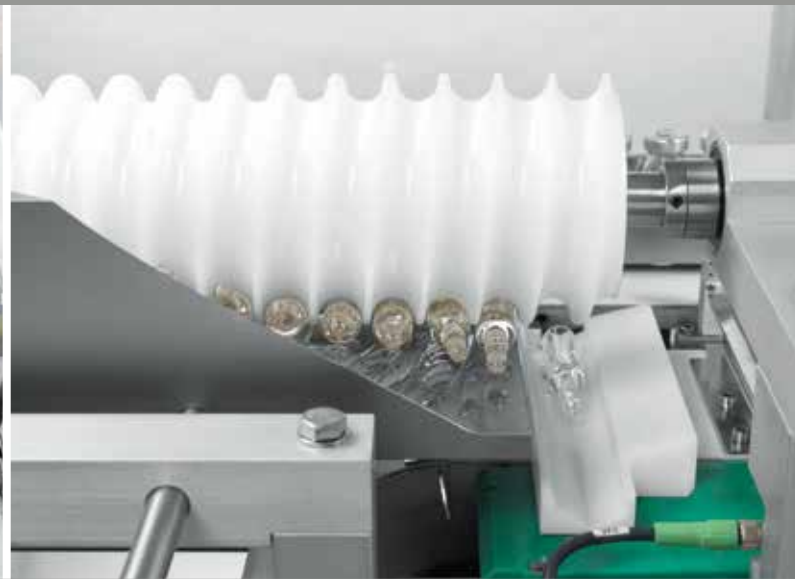


FLEXA BESIDES BEING VERY FLEXIBLE IN TERMS OF CARTON CONFIGURATIONS AND DIMENSIONS IS ALSO EXTREMELY VERSATILE IN PACKING THE WIDEST RANGE OF PRODUCTS THANKS TO IMA SAFE FEEDING SYSTEMS BOTH FOR PHARMA AND EXTRA PHARMA FIELDS.

One of the most compact machines in its range with an ergonomic design that assures facility during operating, cleaning and maintenance procedures. Operator-centered the changeover is very simple, fast and toolless thanks to the servomotors technology applied.

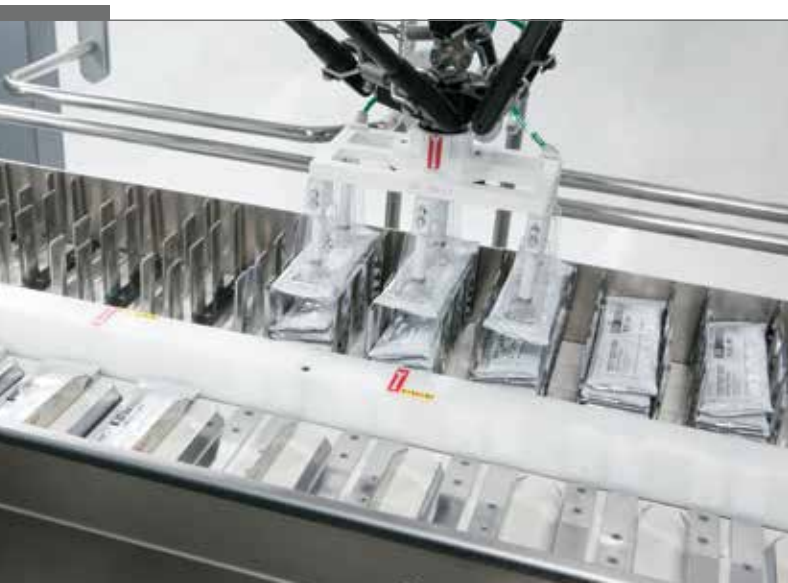
FLEXA Series is available in either intermittent or continuous motion according to the specific production requirement, to perfectly adapt to customer needs.

PRODUCT FEEDING SYSTEMS SUITABLE FOR DIFFERENT



PHARMA PRODUCT FEEDING

- BLISTER
- TRAY
- WALLET
- STRIP (BFS, SUPPOSITORIES ETC.)
- TUBE (RIGID AND SQUEEZABLE)
- AMPOULE
- VIAL
- SYRINGE
- AUTOINJECTOR
- FLOWPACK
- STICK
- SACHET
- INHALER
- MEDICAL DEVICES
- BOTTLE



CUSTOMISED ROBOTIC SOLUTIONS

IMA Safe has developed flexible robotic solutions able to meet even more complex applications and special projects.

Delicate products or that require a specific arrangement inside the carton. Or even the need for extremely frequent format changes where it's just required replacing the robotic head and immediately restart with production. They're just few applications coming from a long experience tailored on customer's business.

MARKET NEEDS



COSMETIC PRODUCT FEEDING

- TUBE
- FLOWPACK
- STICK
- SACHET
- BOTTLE
- LIPSTICK
- MASCARA
- PERFUME
- JAR
- LINER

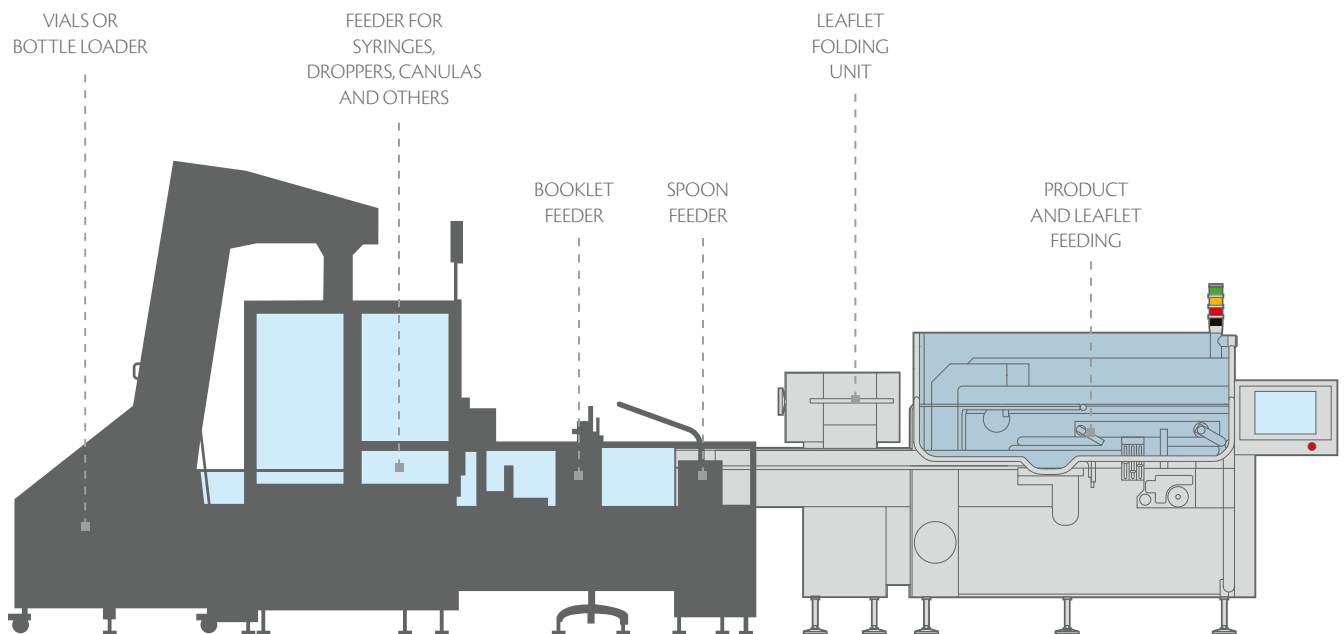
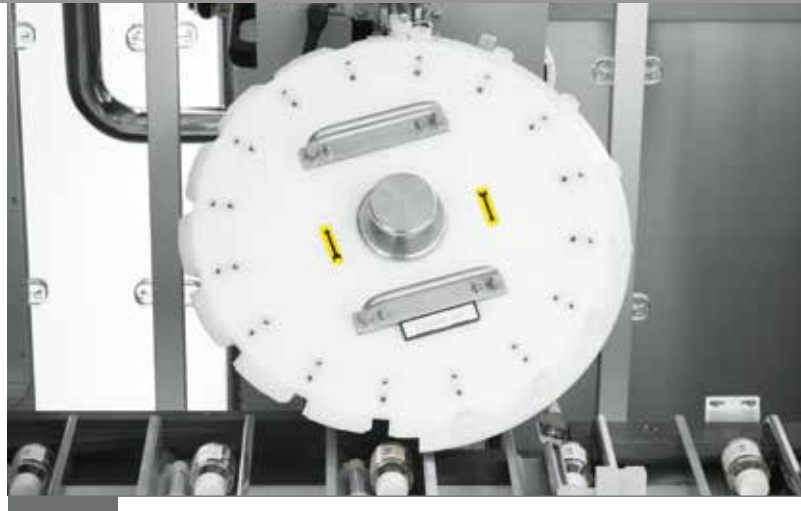


OTHER MARKETS

FLEXA has been developed to perfectly adapt on different market requests. The long experience on special projects has led this machine to work with completely different products: big dimensions, irregular shapes and delicate consistency are just few examples.

ACCESSORIES FEEDING SYSTEMS

The constant collaboration of IMA R&D with customers has led to the developing of feeding systems dedicated to a wide range of accessories. With the modular concept on which IMA machines are designed, today we're able to pack multi-component presentations inside the carton, maintaining maximum efficiency, regardless of the number of additional accessories. This is possible also thanks to great flexibility in handling different carton sizes.

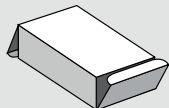


A WIDE RANGE OF PROVEN INFEEED SYSTEMS ALLOWS A HIGH LEVEL OF AUTOMATION IN PRODUCT AND ACCESSORIES HANDLING AND ACCESSORIES.

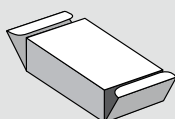


CLOSURES AND TAMPER EVIDENT SOLUTIONS

MAIN CLOSURES

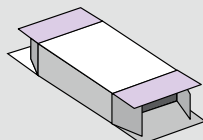


REVERSE TUCK CLOSURE

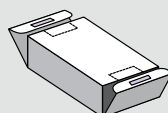


STRAIGHT TUCK CLOSURE

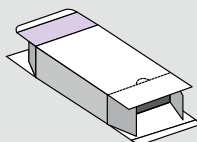
GLUE CLOSURES



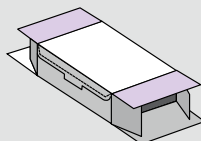
GLUE CLOSURE



GLUE CLOSURE + TAMPER EVIDENT

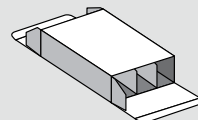


CARTON WITH 4TH FLAP

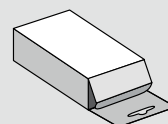


GLUE CLOSURE + HINGED LID

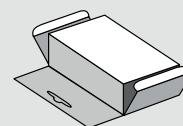
SPECIAL CLOSURES



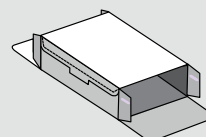
CARTON WITH INNER PARTITION



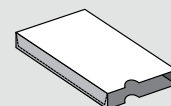
CARTON WITH 5TH PANEL



CARTON WITH 5TH PANEL



CARTON WITH HINGED LID



SLEEVE



Glue

TUCK-IN, GLUE OR SPECIAL CLOSURES, LABELING OR PERFORATION: THANKS TO THE VERSATILITY OF OUR CARTONERS, ALL COMMON CLOSURE TYPES CAN BE IMPLEMENTED. CUSTOMISED SOLUTIONS ARE AVAILABLE ON DEMAND.

TAMPER EVIDENT SOLUTIONS

UE Directive 2011/62/EU require the secondary packaging for prescription drugs to be equipped with a tamper verification feature. This means that non-conventional cartons are needed, as an alternative to glue labels. IMA Safe is constantly in touch with the producers of cartons in order to develop and test the solutions for tamper evident.

FLEXA SERIES MULTIPURPOSE INTERMITTENT OR CONTIN



CARTON MAGAZINE

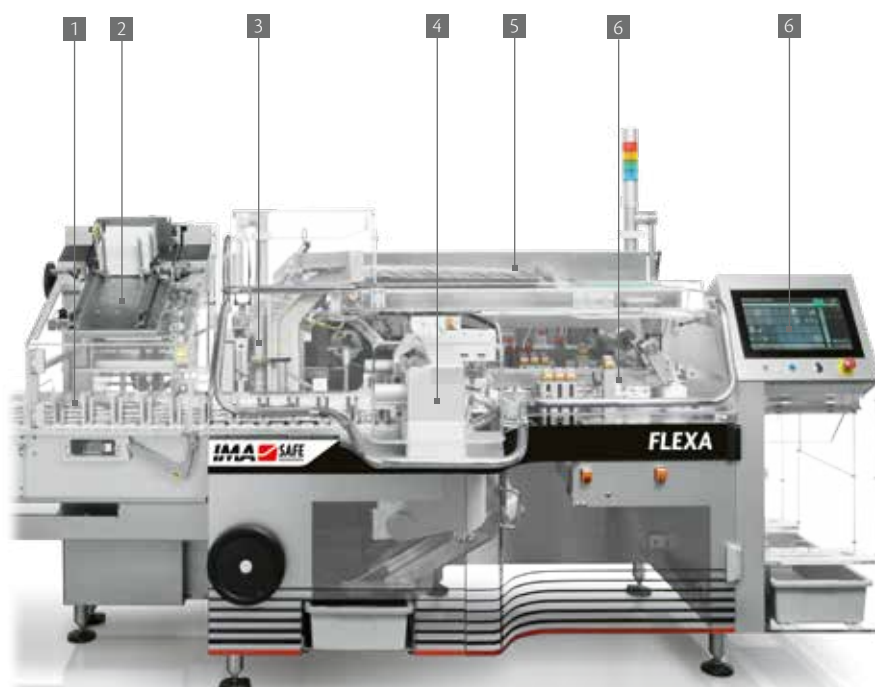
The carton magazine is the largest in its category. It has been designed to prevent dust falling on the mechanical parts and can also be easily accessed by operators.

Completely liftable, it allows the operator a perfect ergonomics during cleaning and maintenance procedures.

CARTON PICK-UP AND POSITIONING

A positive carton pick-up and positioning system. It will open any type of pack smoothly and efficiently, and place it into the conveyor belt. It allows the use of recycled cardboards and even lower quality cartons.

1. BUCKET CONVEYOR
2. LEAFLET FOLDING UNIT
3. CARTON PICK-UP AND POSITIONING
4. PRODUCT AND LEAFLET INSERTION INTO THE CARTON
5. CARTON MAGAZINE
6. CARTON CLOSING
7. HMI



UOUS MOTION CARTONER



PRODUCT AND ACCESSORIES INSERTION INTO THE CARTON

Product and accessories are inserted into the carton by one pusher (intermittent motion) or two pushers (continuous motion) depending on the machine configuration.



CODING AND CLOSING

The coding stations are located in an area easily accessible to operator. Codes can be applied on both sides of the cartons by embossing, ink-jet or laser. Tuck-in, glue, special and all common closures can be implemented.



HMI

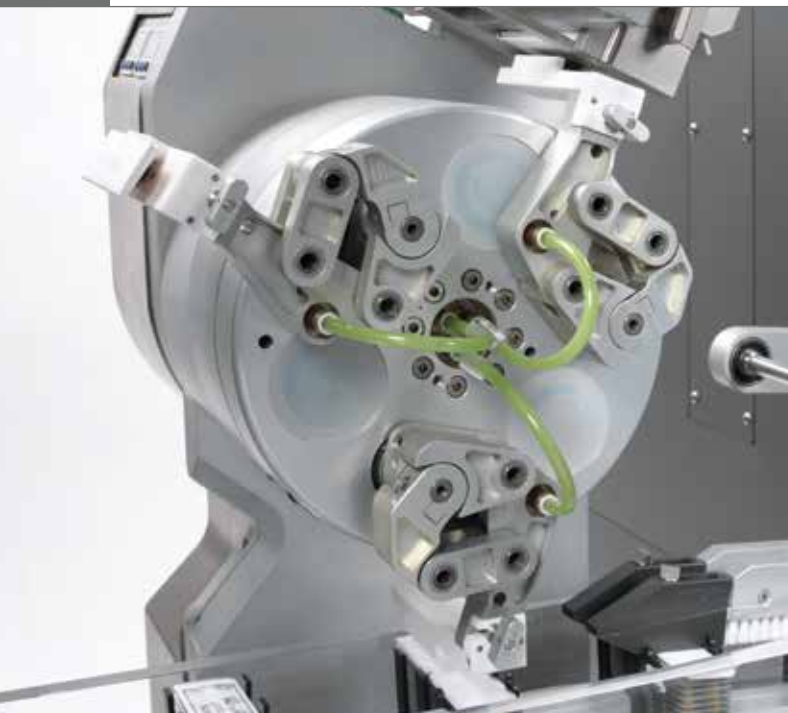
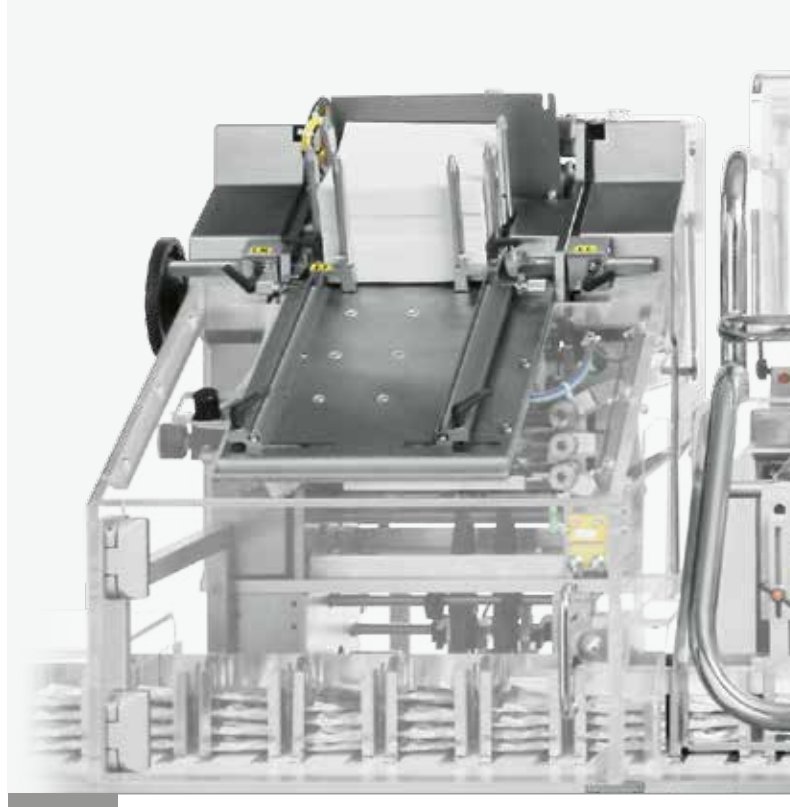
The operator interface has been designed to fully meet 21CFR Part 11 and operator requirements. A computer touch screen, with 16:9 colour monitor and graphical user interface, enables easy and intuitive management of the machine's production and status. The computerised system manages the bar code reader, OCV, and OCR which are completely integrated into the single HMI. Production data and statistics, troubleshooting, including changeover instructions, maintenance and manuals can be obtained through the HMI screen. Troubleshooting and maintenance can be done also via modem connection. Reconciliation of production data, to facilitate production batch closing, is possible from the machine interface and via Ethernet connection.

LEAFLET AND BOOKLET FEEDING SYSTEMS

LEAFLET FEEDING SYSTEMS

All kind of leaflet feeding systems can be installed on FLEXA for flat, pre-folded and leaflets from reel.

The ergonomic position of the unit allows easy loading operation. Leaflet transport, from the folding unit up to the introduction, is completely visible and accessible.



BOOKLET FEEDING SYSTEM

Perfect integration with the unique IMA booklet feeder that does not need size parts. Automatic booklet loader is also available.



FLEXA SERIES MULTIPURPOSE INTERMITTENT OR CONTINUOUS MOTION

SIZE CHANGEOVER

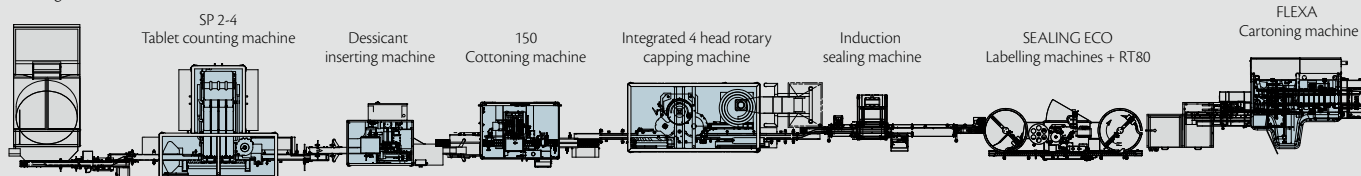
Extremely easy, intuitive and quick size changeover with adjustments through indicators. It's very simple, fast and toolless thanks to the servomotors technology applied.



ONE-STOP-SHOP SUPPLIER

When we say "one-stop-shop supplier" we mean that IMA is next to the client from the processing of his product up to shipment to the final distribution. Only one entity, so many specialists and technologies. Complete packaging lines area designed on customer needs giving life even to the most complex projects.

UNI2005
Unscrambling machine



TRACK & TRACE SOLUTIONS

TRACK & TRACE AND SERIALIZATION

ONE LINE - ONE SOLUTION - ONE SUPPLIER

Together with IMA Life and IMA BFB, IMA Safe works actively to find the most functional and GMP solutions starting from the primary packaging (blister, bottles or tubes etc...) to the secondary packaging (cartons, bundles, cases and pallets...). IMA Group is your best partner for supplying complete serialized track and trace lines.



IMA INTEGRATED MODULE FOR SERIALIZATION

Integrated module to apply camera, laser or ink-jet systems. It is the ideal solution to have a shorter line and higher efficiency because of less units in the line and a constant control of the carton in the tooth belt transport.

Side printing and camera inspection



Top printing and camera inspection



IMA SAFE AFTER SALES SERVICE

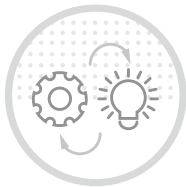
IMA Safe's goal is to become a partner for its customers. To respond to every requirement with customised solutions and guarantee maximum flexibility and professionalism.

The relationship IMA Safe builds with its customers does not end with a sale. With after-sales service tailored to the customer's specific needs, it lasts for the duration of the machine's lifespan. That's why IMA Safe can count on high levels of customer retention around the world.



SUPPORT SERVICES

- Telephone online
- On site service
- Remote support assistance
- Production support
- Relocation service
- Spare parts



PRODUCTION SERVICES

- Mechanical and electrical upgrades
- Technical audit



MAINTENANCE SERVICES

- Single inspection by technician on site
- Remote experts consultation
- Maintenance optimization strategy
- Calibration support
- E-check
- On site practical maintenance training



TRAINING SERVICES

- Training programs
- Multimedia training



FORMAT PARTS SERVICES

- Format parts



IMA REMOTE ASSISTANCE SOLUTIONS

IMA Digital Service Solutions aim to offer remote support and to restore production quickly. Through selected tools, an IMA expert remote is able to promptly support the resolution of technical problems occurred on the machine.

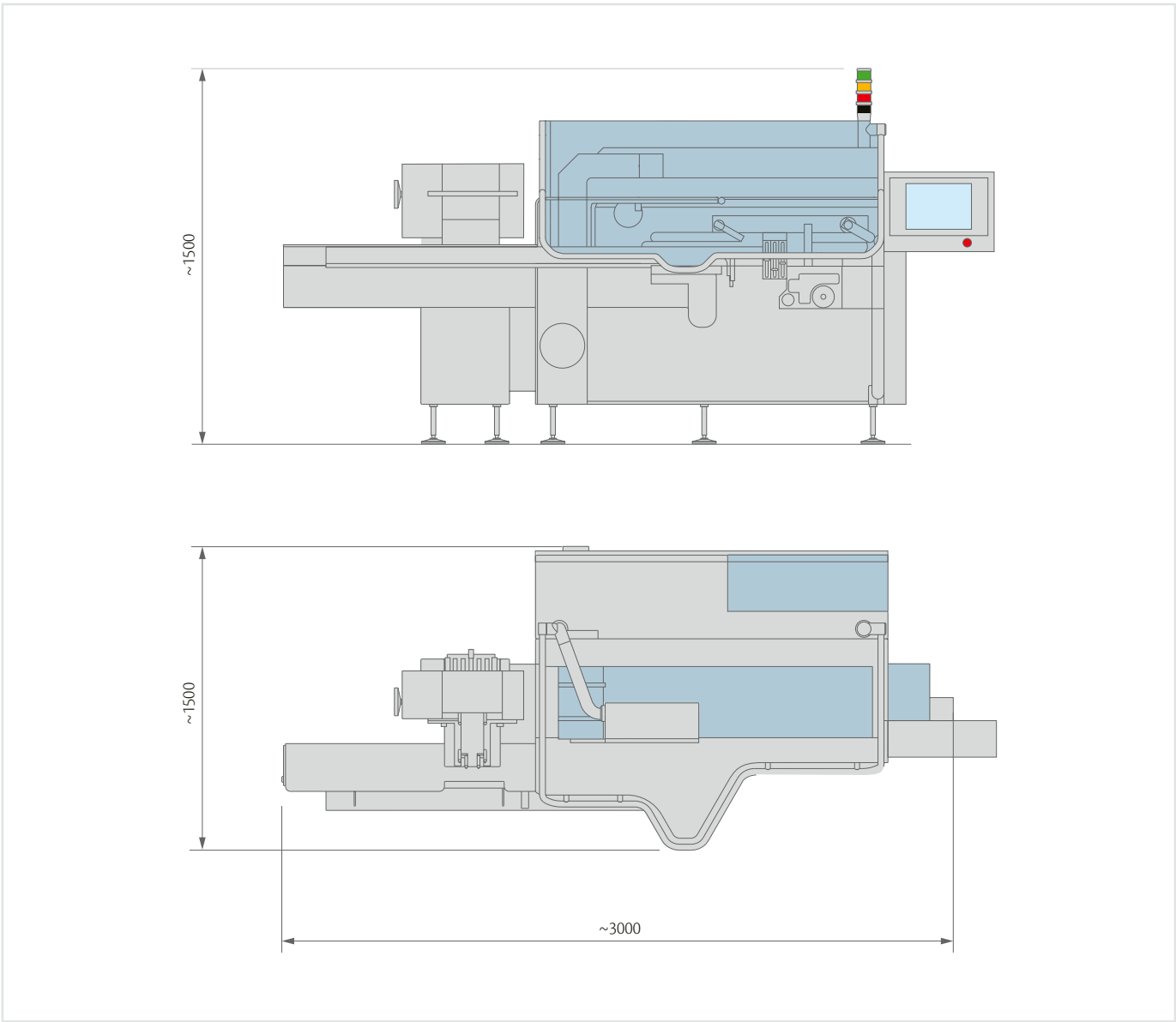
Quick-kit

Quick-Kit Solutions consists of an action camera installed on headphones. The technician is able to frame what he is directly observing, speaking in real-time with the remote expert and receiving at the same time audio guidelines to carry on the operations.

Hololens 2

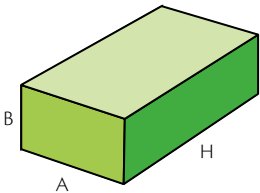
Hololens 2 allows combining different benefits through the use of a new generation viewer. It becomes possible to frame the surrounding environment directly by integrating elements of augmented reality (drawings, diagrams, documentation) shared by the IMA Expert remote.

TECHNICAL DATA



The dimensions are indicative and can vary depending on the optional groups chosen and machine lay-out

MOTION	VERSION	WIDTH (A)	HEIGHT (B)	LENGTH (H)	SPEED (cartons/min)
CONTINUOUS (double pusher)	CLD	Up to 90 mm	Up to 90 mm	Up to 220 mm	180
	CLDB	Up to 140 mm	Up to 90 mm	Up to 220 mm	160
CONTINUOUS (single pusher)	ASB	Up to 140 mm	Up to 65 mm	Up to 190 mm	120
	ALB	Up to 140 mm	Up to 90 mm	Up to 220 mm	120



ima.it



IMA S.p.A.
IMA SAFE division
Via Europa, 2-4-6 - 40064 Ozzano dell'Emilia (Bologna) - Italy
Tel. +39 051 4563970
marketing.safe@ima.it

