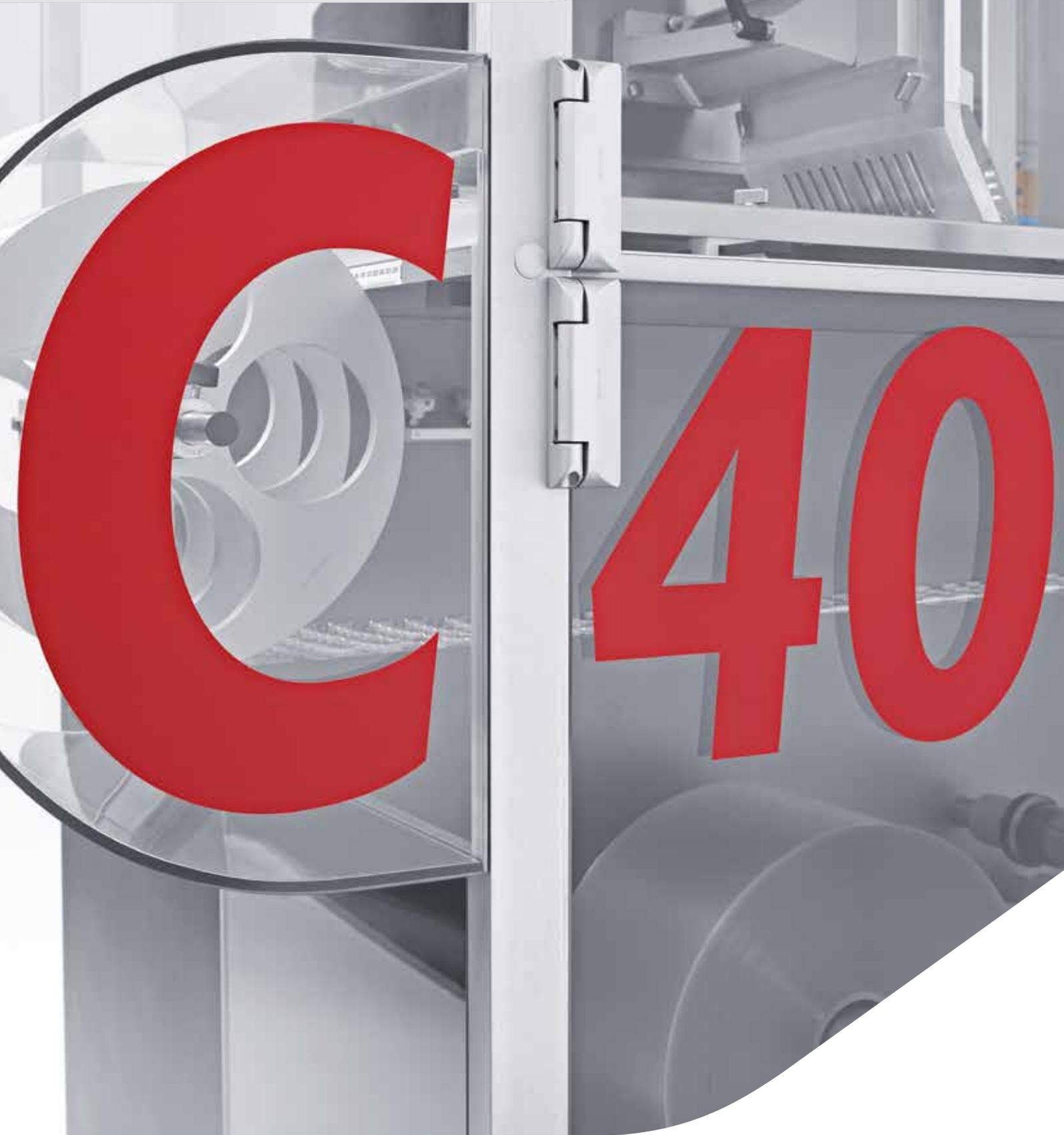


# C40 SERIES

BLISTER PACKAGING MACHINE



# C40 A VALUE MACHINE

Combined with the latest control systems and quality controls, the C40 machine is the answer for those customers who demand high production efficiency though keeping an eye on costs.

The machine is available in 2 or 3 rows version.

The modern design assures a complete visibility of the whole packaging process as well as full accessibility for the operator. Downtimes are reduced to a minimum, thanks to easy cleaning operations and fast and simple changeovers. Moreover, the consolidated technology has a low impact on the maintenance costs.

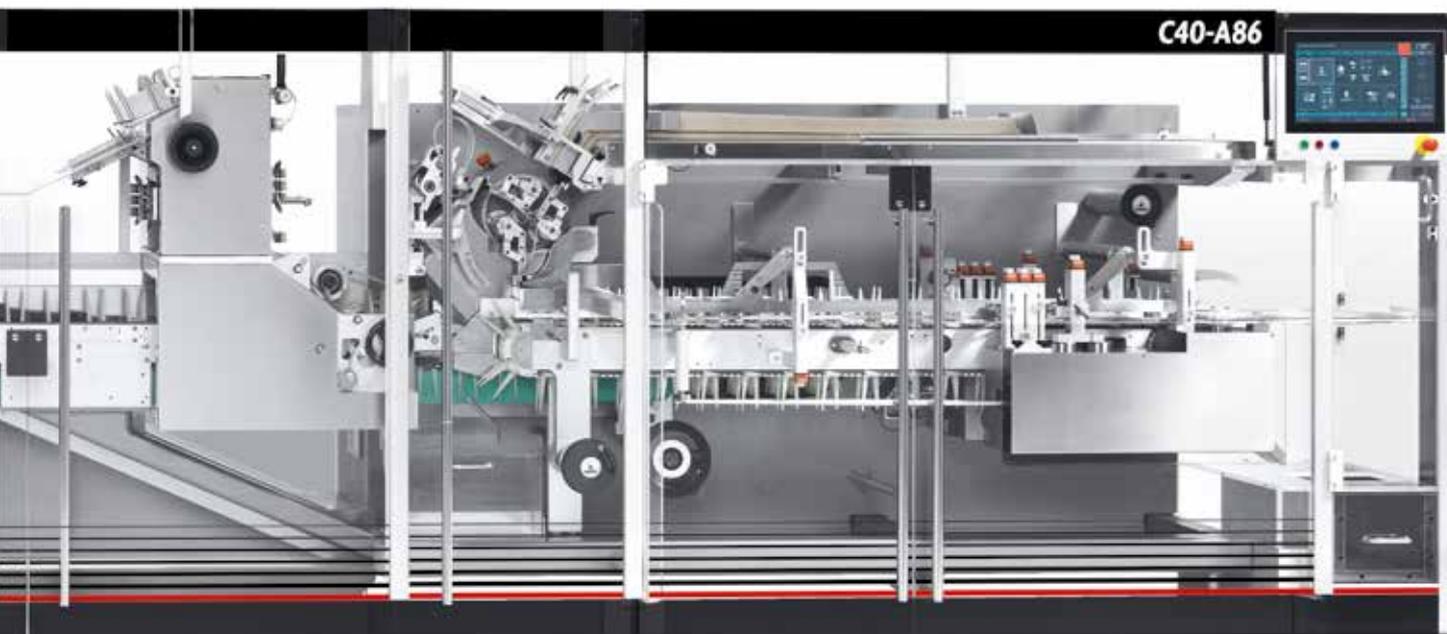
The C40 is definitively the best price-quality ratio machine in its range.

**EFFICIENCY, RELIABILITY, COMPACTNESS AND MACHINE DESIGN ARE THE RECOGNIZED FEATURES OF C40.**





DESIGNED FOR SMALL/MEDIUM BATCHES AND FREQUENT SIZE CHANGEOVERS.

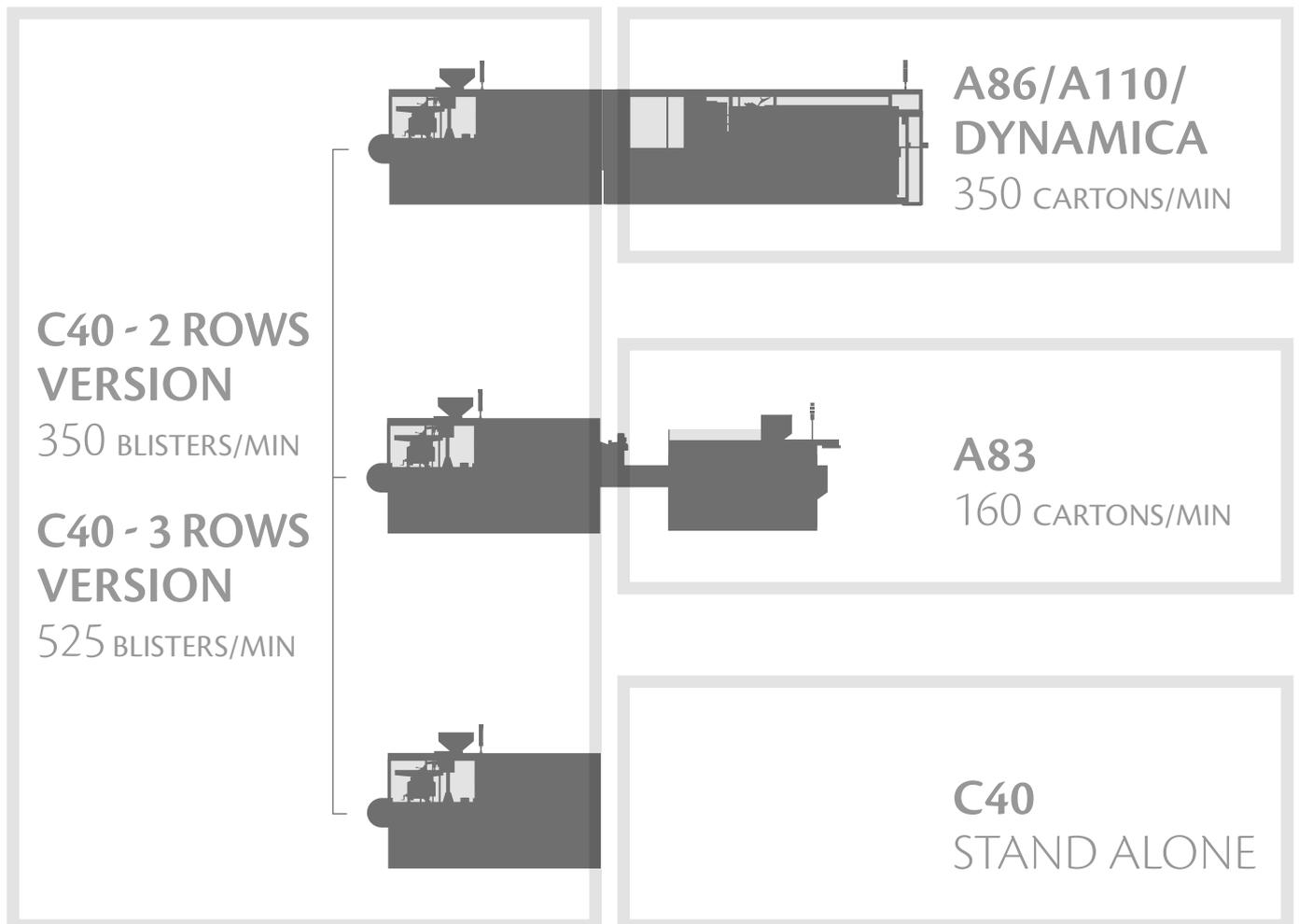


# C40

FLEXIBILITY, MODULARITY AND EASE OF USE ARE THE KEY FEATURES THAT MAKE THE C40 ONE OF THE BEST MACHINES IN THE MEDIUM SPEED RANGE.

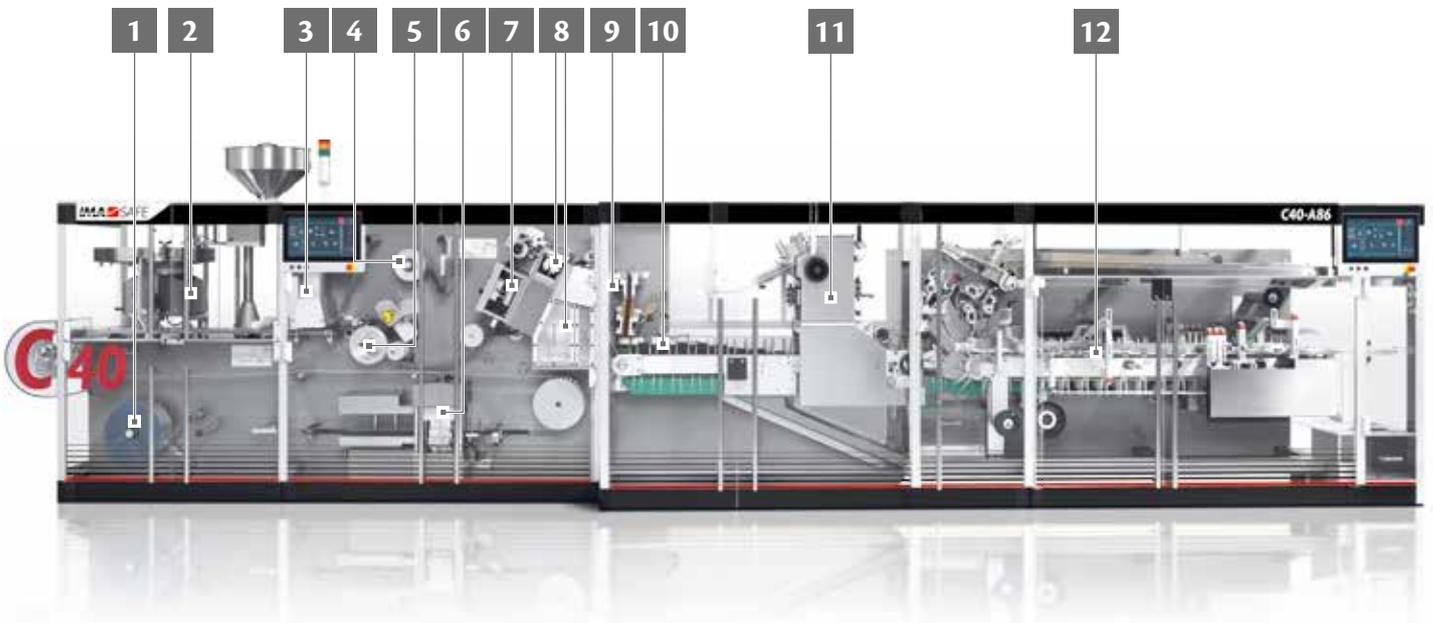
C40 Stand Alone can be easily connected to any other secondary packaging machine (cartoner, wallet pack, flowpack, end of line etc.) in order to satisfy any customer production needs.

Versions available:





1. FORMING REEL HOLDER
2. FEEDING AREA
3. BLISTER FILLING CONTROL AND HMI
4. LIDDING REEL HOLDER
5. SEALING STATION
6. PRE-HEATING AND FORMING STATION
7. CODING AND PERFORATION STATION
8. CUTTING STATION AND BLISTER REJECTION
9. CONNECTION BETWEEN BLISTER AND CARTONER
10. BLISTER TRANSPORT SYSTEM
11. LEAFLET FOLDING UNIT
12. CARTONER (A86/A110/DYNAMICA OR A83)



# C40



## HEATING AND FORMING STATION

The forming area is designed for both thermoforming and cold forming materials and the combination of advanced heating system and forming process grants a uniform thickness of the film. The stations are completely accessible for maintenance and do not have any cables or piping in sight.



## FEEDING AREA

With its clean-finish balcony construction and all mechanical parts contained within the machine, the feeding area has been designed for very fast cleaning operations without the risk of cross-contamination.



## FILLING CONTROL SYSTEM

IMA is using its own vision system camera, integrated in the machine interface. Product presence inspection and colour shape and integrity control are among its main functions. Product learning can be done for any product and can be saved for the next batches.





## SEALING STATION

IMA Safe's continuous roller sealing grants the best performance and sealing quality thanks to the constant check of temperature.



## CODING AND PERFORATION STATION

Blister coding can be done by embossing unit, inkjet system, laser or inline printer. Any kind of perforation is possible, i.e. cross, longitudinal and vertical.



## CUTTING UNIT

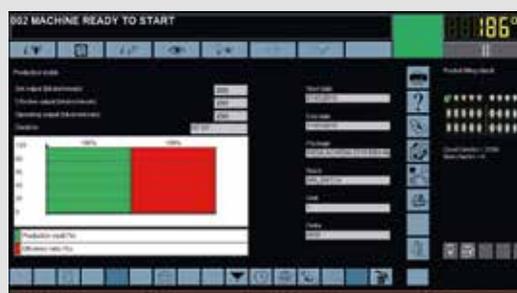
Easy handling and fast change over are the outstanding features. Moreover, the blister transfer from the cutting station to the cartoner is always guided and visible.

THE PHILOSOPHY OF IMA MACHINES IS THE ROTARY SEALING, THE UNIQUE AND RELIABLE SOLUTION FOR HIGH BLISTER QUALITY FOR OVER 50 YEARS.

## ADVANCED HMI

The operator interface has been designed to fully meet 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 filling control, bar code reader, OCV, and OCR which are completely integrated into the single HMI.

Production data, parameters settings and records are in compliance with 21CFR. Production data and statistics, including changeover instructions, maintenance and manuals can also be obtained through the HMI. Moreover, the reconciliation of production data to facilitate production batch closing is possible from the machine interface.



## C40 CONNECTION TO CARTONER



A COMPACT AND RELIABLE CONNECTION BETWEEN BLISTER MACHINE AND CARTONER WHILST RETAINING COMPLETE ACCESSIBILITY.

The positive transfer from the cutting die to the blister magazine is always guided and visible, simplifying at most the intervention in case of jam. The correct position of the blister is controlled mechanically and kept by suction cups.

C40 in 3 rows version can be connected to DYNAMICA cartoner by means of Bifido connection.



AN ACCURATE COUNT  
ABLE TO HANDLE HIGH  
BLISTER STACKS.

Quick settings allow to change blister stackings in one touch directly from the machine HMI.



# A86/A110/DYNAMICA CONTINUOUS CARTONER



## CARTON WITHDRAWAL AND OPENING

Withdrawal, opening and positioning of the carton are patented by IMA. The systems handles any kind of cartons, including braille coded and recycled paper.

## PRODUCT AND LEAFLET INTRODUCTION

The efficiency of a cartoning machine depends on how well the feed capacity and transport introduction system can transfer the blisters into the carton without causing any damage. Blisters enter the carton continuously thanks to series of pushers that gently transfer product and leaflet.

TUCK-IN, GLUE OR SPECIAL CLOSURES: ALL COMMON CLOSURES CAN BE IMPLEMENTED ON OUR CARTONERS.

CUSTOMIZED SOLUTIONS ARE AVAILABLE ON DEMAND.



# A83 INTERMITTENT CARTONER



ERGONOMIC, FLEXIBLE, SIMPLE TO USE, QUICK AND EASY TOOL-FREE SIZE CHANGEOVER.

## PRODUCT AND LEAFLET INTRODUCTION

An insertion device consisting of an upper blade and a feeding hopper ensures both blister and leaflet (folded in a variety of ways) are precisely inserted at the best angle, as they are accompanied by the blade to the end of the carton, ensuring then full productivity even with very delicate products such as cross-perforated or Alu-Alu blisters.

Compact balcony construction and clean design, ensuring great accessibility, complete view of all parts and enabling installation in a small production space. Many patent solutions have been applied to make A83 Series flexible and performing at the same time.



# ANCILLARY EQUIPMENT



ALL KIND OF LEAFLET FOLDERS CAN BE INSTALLED FOR FLAT, PRE-FOLDED AND LEAFLETS FROM REEL. CARTONING MACHINES ARE DESIGNED TO GRANT A PERFECT INTEGRATION WITH A UNIQUE IMA BOOKLET FEEDER WHICH DOES NOT NEED SIZE PARTS.

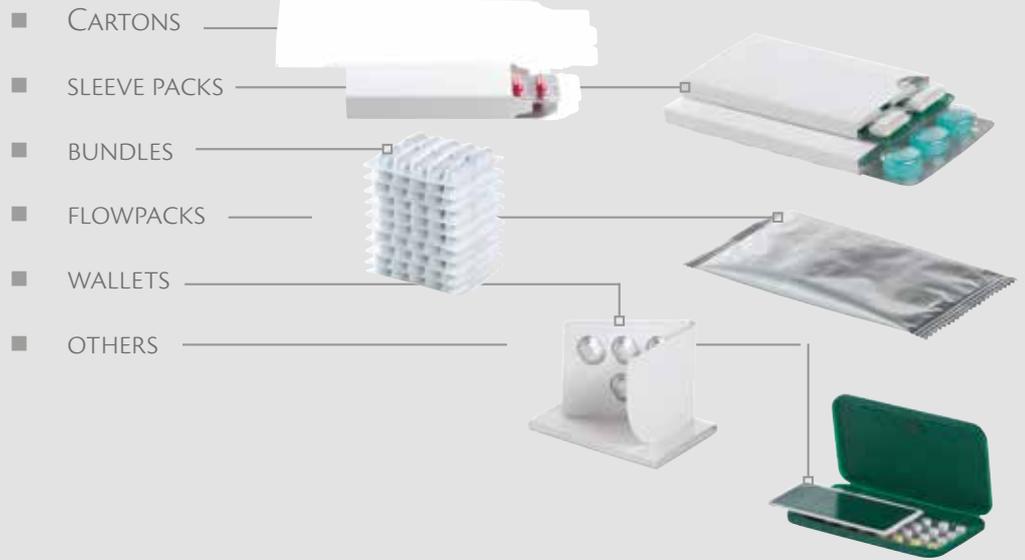
THE FLEXIBILITY OF THE C40 ALLOWS THE INSTALLATION OF OPTIONAL DEVICES AND OTHER ANCILLARY EQUIPMENT APPLICATIONS AIMED AT MAXIMIZING THE EFFICIENCY OF THE CARTONERS AND INCREASE QUALITY STANDARDS, SUCH AS:

- CAMERA
- PRINTING UNIT
- HUGE SELECTION OF CODING SYSTEMS (EMBOSSING, INK-JET, LASER ETC...)
- LEAFLET FOLDING UNITS (PRE-FOLDED, FLAT, FROM REEL)
- BAR CODE READER
- BOOKLET FEEDERS
- HOT MELT CARTON CLOSING BY GLUE
- SPECIFIC EQUIPMENT SUPPLIED BY THIRD PARTIES

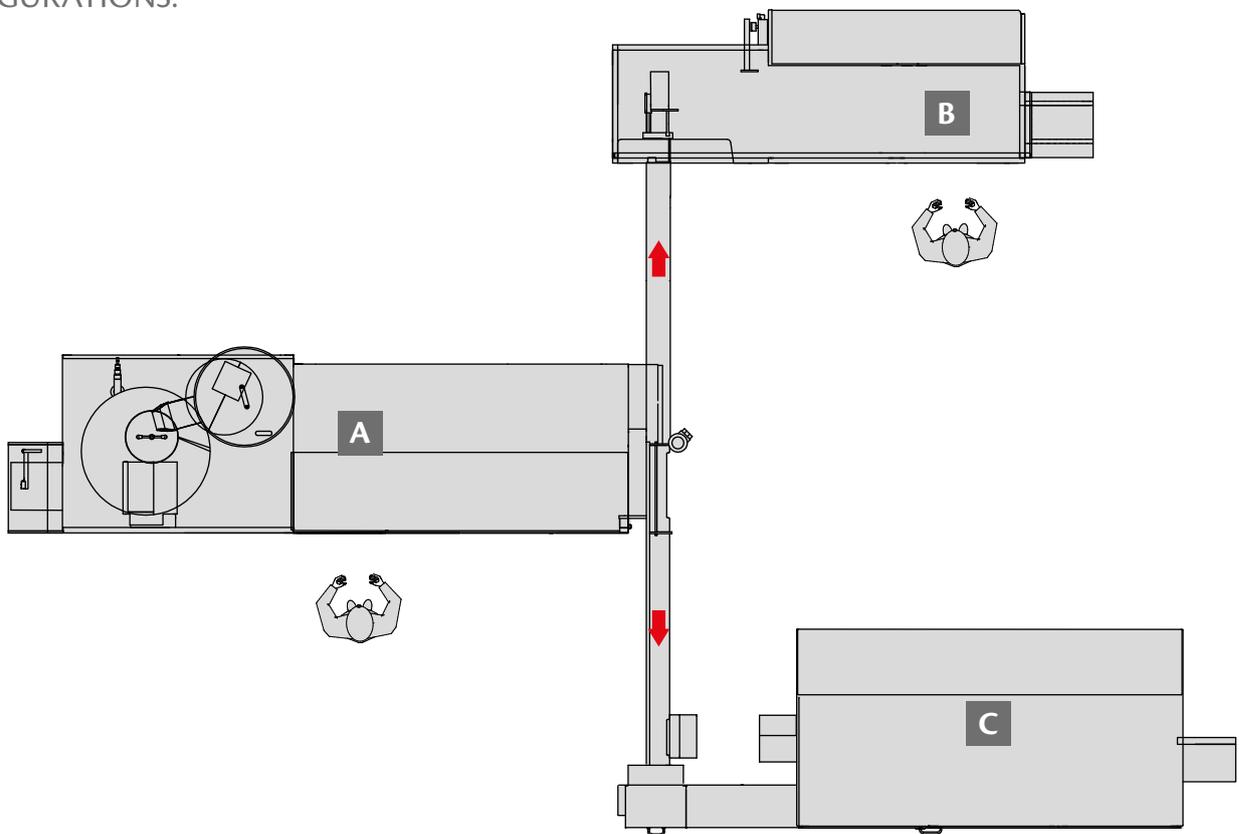


Many products configurations are possible

# C40 STAND ALONE



C40 IS EXTREMELY FLEXIBLE FOR CONNECTION TO DOWNSTREAM MACHINES AND DIFFERENT LAYOUT CONFIGURATIONS.



A - C40 blister packaging machine  
B - Bundling and wrapping machine  
C - Cartoning machine

# SIZE CHANGEOVER AND CLEANING

SMOOTH SURFACES, CLEAN FINISH, NO HIDDEN CORNERS AND COMPLETE ACCESSIBILITY ALLOW AN EASY CLEANING.



## SIZE CHANGEOVER

- Can be done by the machine operator
- Only a few lightweight size parts to change
- Easy cleaning and accessibility completely disassembled for a deep cleaning
- Each step is assisted via the HMI; each size setting is stored in the computer so that production parameters are precisely repeated

THE FEEDING AREA CAN BE COMPLETELY DISASSEMBLED FOR A DEEP CLEANING AND FACILITATES THE REPLACEMENT OF DIFFERENT FEEDING SYSTEMS.



# CONTAINMENT

## CONTAINMENT SOLUTIONS

The design of the IMA blister machines allows the perfect integration with containment technology.

The reliability of our feeding systems reduces to a minimum the intervention of the operator within the cabin of containment and its accessibility and smooth surface simplify cleaning procedures.



IMA SAFE OFFER THE ADVANTAGE OF BEING ABLE TO SATISFY ALL REQUIREMENTS FOR CONTAINMENT OF SOLID PHARMACEUTICAL SHAPES IN BLISTER PACKAGING WITH 100% IN HOUSE SOLUTIONS.

# TRACK & TRACE AND SERIALIZATION



## TRACK & TRACE AND SERIALIZATION ONE LINE, ONE SOLUTION, ONE SUPPLIER FROM A TO Z

IMA group is your best partner for supplying complete serialized track & Trace lines starting from the primary packaging (blister, bottles, tubes etc.) to the secondary packaging (cartons, bundles, cases and pallets).

BRAND FLEXIBILITY FOR  
CAMERA AND PRINTING



# MUCH MORE THAN JUST MACHINES



## FEEDING

IMA Safe feeding systems are designed as the result of over 40 years of experience in the blister packaging industry and obtain a **filling efficiency of 99.9%**. These systems have been designed according to GMP principles which facilitate cleaning and reduce changeover times to a minimum.

Extremely delicate and complex shaped products are handled with ease resulting in high production output.

A specific department within IMA SAFE is dedicated to product feeding solutions and includes several test rooms - conforming to GMP guidelines - for product feeding under controlled environmental conditions.

Solutions are found which are based upon each unique product.

ALL IMA SAFE FEEDING SYSTEMS FEATURE:

- NO NEED FOR OPERATOR ASSISTANCE
- WIDE FEEDING BOWLS FOR MAXIMUM FEEDING PERFORMANCE
- CONTINUOUS WEB MOTION
- HIGHER CAMERA EFFICIENCY DUE TO CONTINUOUS FILM MOTION GRANTING GREATER PRODUCT STABILITY IN THE POCKET
- EASY INTEGRATION OF MULTIPLE PRODUCT FEEDING SYSTEMS.

## SIZE PARTS

IMA SAFE SIZE PARTS ARE FULLY TESTED BEFORE BEING SENT TO THE CUSTOMER, WHICH ENSURES THAT PRODUCTION CAN START IMMEDIATELY.

Originally manufactured size parts allow IMA Safe machines to work at their highest production efficiency.

Size parts are designed with a combination of detailed technical knowledge and practical know-how.

IMA SAFE OFFERS:

- DETAILED EXPERIENCE WITH ALL TYPES OF PACKAGING MATERIALS
- DETAILED KNOWLEDGE OF THE CUSTOMER'S PARTICULAR MACHINE CONFIGURATION
- DESIGN AND DRAWING SYSTEMS BASED ON THE TECHNICAL PARAMETERS OF EACH MACHINE MODEL.

# SALES AND SERVICES

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.

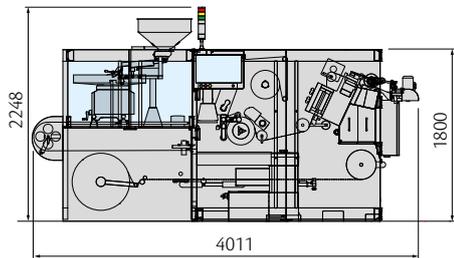
### Quick-kit

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.

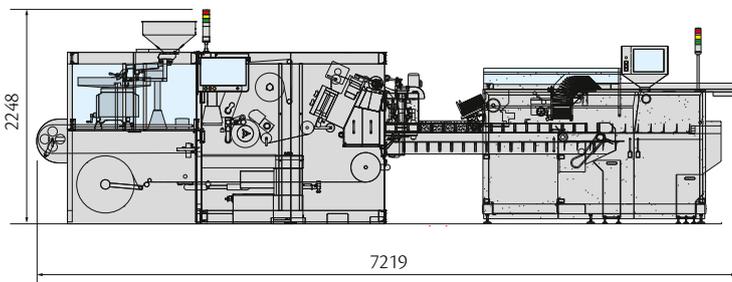
### Hololens 2

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.

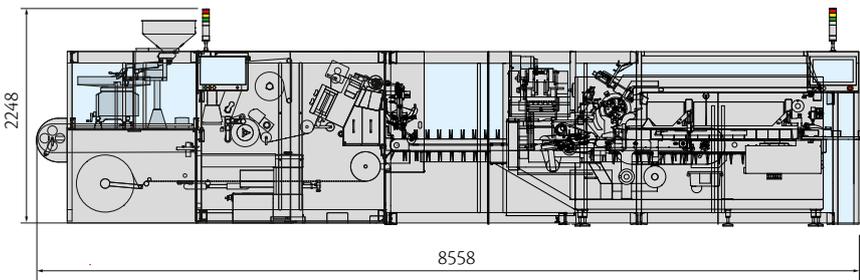
## C40 STAND ALONE



## C40-A83



## C40-A86/A110



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



### Forming materials

Aluminium laminate, PP, PVC, PVC/PVCD, PVC/ACLAR®, PET, COC, pure ALU and others



### Lidding materials

Alu, Alu/Paper, Alu/Polyester, PP and others



### Reel diameter

Max forming film: 800 mm • Max lidding foil: 350 mm

	BLISTER DIMENSIONS	CARTON DIMENSIONS A86/A110/DYNAMICA	CARTON DIMENSIONS A83 SERIES
Width	30-90 mm	35-95 mm	35-90 mm
Length	60-220 mm	65-150 mm	72-150 mm
Depth Height	3-12 mm	15-110 mm	12-90 mm
<b>PRODUCTION OUTPUT</b>			
Up to 350 blisters/min (2 ROWS VERSION) Up to 525 blisters/min (3 ROWS VERSION)			
Up to 350 cartons/min (A86/A110/DYNAMICA)			
Up to 160 cartons/min (A83)			

ima.it



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