

# C80HS SERIES

STAND ALONE OR INTEGRATED BLISTER PACKAGING MACHINES



# C80HS SERIES

HIGH SPEED BLISTER PACKAGING MACHINES, DESIGNED FOR MEDIUM/LARGE BATCHES AND FREQUENT SIZE CHANGEOVERS. C80HS SERIES INCREASES EFFICIENCY AND SAFETY IN PRODUCTION.

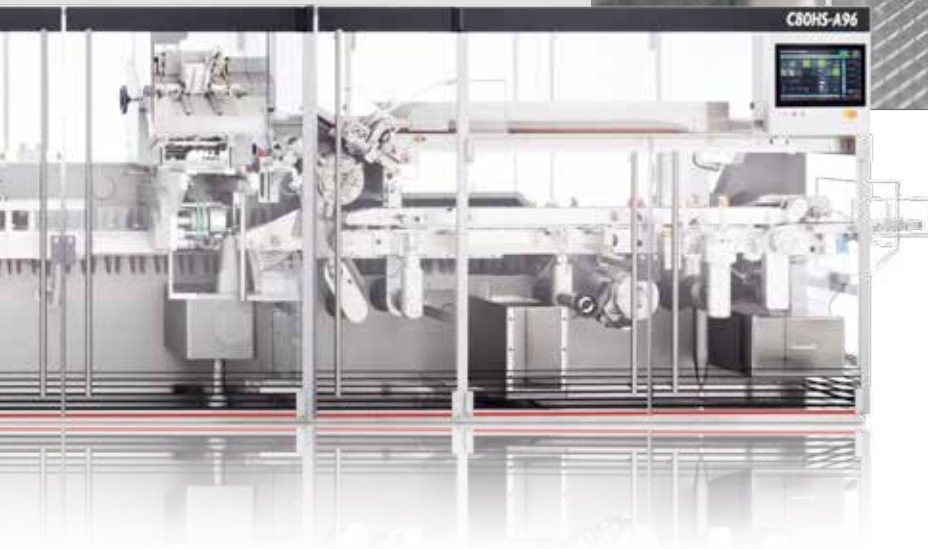
The ongoing quest for the optimisation of production means that managers have to be able to count on systems that are designed to work without interruption at high speed whilst handling products of different shapes and size, even during a single shift.



IF YOUR PRODUCTION REQUIRES:

- MAXIMUM EFFICIENCY
- HIGH PRODUCTIVITY
- SAFETY
- MAXIMUM COMPLIANCE WITH PRODUCTION PLANS

AND YOU REQUIRE A RAPID AND SAFE RETURN ON INVESTMENTS...  
THE C80HS IS THE SERIES OF BLISTER PACKAGING LINES FOR YOU.



The line's innovative design, in terms of both structure and functional detail, has been developed with your requirements in mind.

These lines are not only highly productive but also have the advantage of being extremely safe and quiet. Downtime is kept to a minimum, cleaning is performed quickly and easily and size changeover is convenient and can be performed by a single operator in just a few minutes.

Machine sections have been designed in order to simplify the operator's work. Despite the high output of 750 blisters and up to 500 cartons per minute, C80HS Series enables the operator to easily control and oversee each packaging process.

# C80HS SERIES

FLEXIBILITY AND MODULARITY ARE TWO KEY FEATURES IN IMA BLISTER MACHINES THAT ENABLE OUR CLIENTS TO MEET THEIR REQUIRED CARTONING SPEEDS.

The C80HS SERIES includes the following configurations:



<p><b>C80HS</b> 700 BLISTER/MIN</p>		<p><b>A96</b> 500 CARTONS/MIN</p>
		<p><b>A86/A110</b> 350 CARTONS/MIN</p>
		<p><b>A76</b> 250 CARTONS/MIN</p>
<p><b>C80HSA</b> Stand Alone 750 BLISTER/MIN</p>		<p>CARTONERS, MACHINES FOR FLOW PACK AND WALLET OR OTHER DOWNSTREAM MACHINES</p>



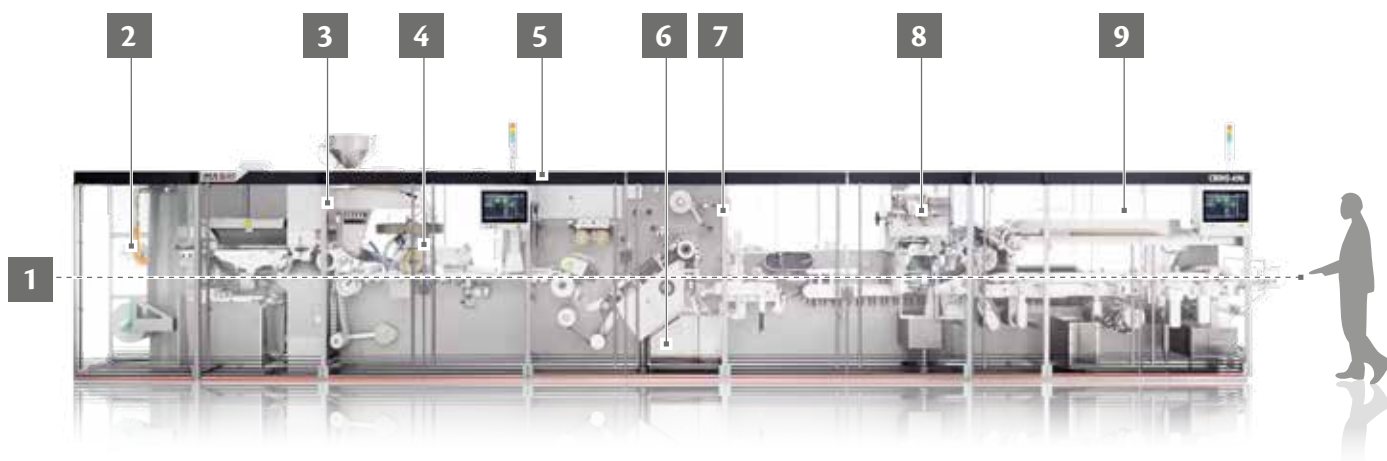
TRANSPARENCY, PROTECTION, SAFETY, CONSISTENCY AND CONTROL. A SOLID, VIBRATION-FREE MACHINE, BUT THAT'S NOT ALL: THE DESIGN OF THE C80HS SERIES ALSO FOCUSES ON THE DETAILS.

C80HS is the Series that gives access and visibility from the back of the line. The rear of the machine also has a clean, linear appearance. The ability to access the cartoner from the rear makes it easier to integrate automatic carton loaders. The transparent panels on the top and those at the rear of the machine let through natural light.

The floor to ceiling safety guards are supported by robust hinges and are an integral part of the load-bearing structure. Silicone gaskets completely isolate the inside of the machine. This guarantees noise reduction and prevents cross-contamination. The structure and most of its parts have rounded corners for easier cleaning.

C80HS Series is suitable to be equipped with containment technologies

1. TOTALLY ERGONOMIC: PRODUCTION HEIGHT AVERAGE 90 CM.
2. SEMI-AUTOMATIC REEL HOLDER
3. FORMING AND FEEDING STATIONS ARE SEPARATED
4. PREDISPOSED FOR CONTAINMENT
5. HEAVY DUTY STRUCTURE
6. DOUBLE REJECT BOX CONTAINING PRODUCT AND WASTE MATERIAL THAT ALLOWS EMPTYING AT ANY TIME WITHOUT INTERRUPTING PRODUCTION
7. SEPARATION BETWEEN PRIMARY AND SECONDARY AREA
8. LEAFLET HANDLING
9. CARTON HANDLING



# C80HS SERIES BLISTER MACHINE



## 1 FORMING AREA

### REEL HOLDER

Standard and semi-automatic reel holder - which allows forming material splicing without production stop - are both available. Reel diameter up to 800 mm.

### HEATING

Four heating sections in order to heat the film gradually and uniformly can be set independently through the HMI.

When the machine stops, the plates open and there is no contact with the film in order to prevent film damage.

### FORMING

Possibility to handle all types of forming materials by using different forming process i.e. air pressure, heated plugs combined with air pressure or plugs only in order to obtain a perfect formed film.

## 2 FEEDING AREA

Feeding area has been designed for very fast cleaning operations and to easily allow the installation of different feeding systems such as chute feeders, roller feeders, brush box feeders and customized feeders.

The design of the IMA feeding systems IS a result of 50 years' experience in the blister packaging industry and obtains a filling efficiency of 99.9%.

With its clean-finish balcony construction and having all mechanical parts contained within the machine, the C80HS guarantees easy and simple cleaning without the risk of cross-contamination. There are no mechanical moving parts under the feeding area and there are no external cables and connectors. Smooth surfaces with no hidden corners are part of all IMA feeding systems without the need to install extended groups.





### 3 SEALING

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

The sealing pressure check is made by a self-regulating load cell placed directly into the sealing roller mechanism, which is very precise.

### 4 CODING AND PERFORATION

Blister coding can be done by embossing unit, inkjet system, laser or in line printer.

Any kind of perforation is possible, i.e. crossed, longitudinal and vertical.

### 5 CUTTING & TRANSFER

In the integrated versions the positive blister transfer from the cutting station to the cartoner allows a total control of blisters and highest speed in the cartoning. The correct position is controlled mechanically and kept by suction cups, regardless of any flaws (i.e. curved blister).

If you need flexibility in the layout, the C80HSA stand alone, can be linked to the cartoner by means of a specifically designed connection with innovative magazines that permit to maintain highest speed and performance also in the cartoning.

## BLISTER REJECTION

IMA has successfully addressed one of the problems which cause product recalls.

The patented blister cutting system ensures that rejected, faulty blisters cannot be re-inserted into the packaging process.

Blisters are individually rejected. Empty and partially filled blisters are rejected into separate bins.



# C80HS SERIES INTEGRATED CONNECTION

THE ONE AND ONLY INTEGRATED LINE SERIES TO HAVE SUCH A COMPACT CONNECTION BETWEEN BLISTER PACKAGING MACHINE AND CARTONER WHILST RETAINING COMPLETE ACCESSIBILITY.



C80HS-A96 / A86 - Connection to the cartoner

## AUTOMATIC BLISTER RECOVERY MAGAZINE

In case of rejection, the blister recovery magazine releases good blisters directly into the transport chain, thus granting ZERO rejection into the cartoner due to missing blisters.

No need for manual feeding. The reloading of the blister magazine can be done completely and automatically without machine stop.

Blisters can be directly pulled out from here for IPC tests.

The size changeover is performed using simple adjustments, no replacement of parts is required.

## BLISTER STACKING

The blister stacking unit counts the blisters electronically and the blister introduction into the carton is positively guided and controlled.







C80HS-A76 - Connection to the cartoner

# C80HS SERIES CARTONERS



## INTEGRATED CARTONER

A continuous motion cartoner works in tandem with the C80HS. The innovative features of the cartoner make it the ultimate solution for secondary packaging:

- Complete balcony structure and accessible
- Carton transport through tooth fitted belts maintains the cartons in the correct position during the entire conveying process
- Chain free to avoid cleaning issues
- The largest carton magazine in this range of machines (up to 2 metres long)
- Quick changeover in less than 15 minutes

## CARTON WITHDRAWAL AND OPENING

The withdrawal, opening and positioning of the carton are patented by IMA.

This system allows handles any kind of cartons, including cartons with braille code and recycled paper cartons.

- Only a few parts are involved in the changeover
- Carton dust does not fall on any mechanical machine parts.





## CARTON MAGAZINE

The pushers operate from the rear of the machine thereby leaving the operator's side completely free and accessible.

The spacious carton magazine can be safely accessed even during production due to the dedicated safety guards.

THE HEIGHT OF THE MAGAZINE GUARANTEES EASY CARTON LOADING.

## LEAFLET AND BOOKLET FEEDERS

All kind of leaflets 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.



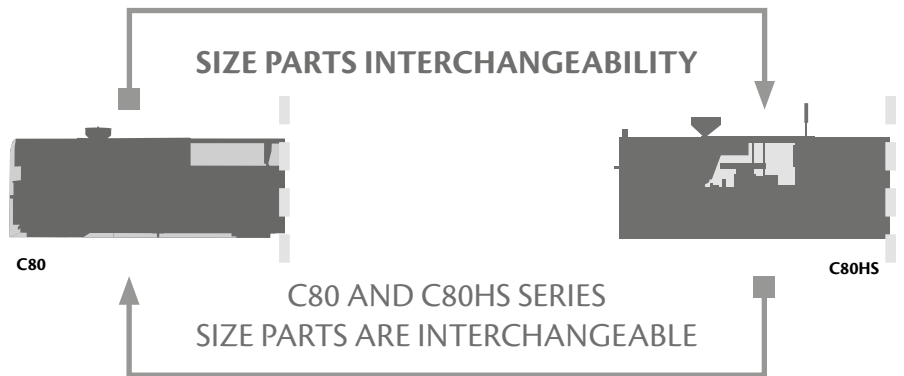
# C80HS SERIES

QUICK CHANGEOVER OF ALL SIZE PARTS AND GUIDES BY SIMPLY PULLING THEM OUT OR SLIDING THEM IN, WITHOUT THE NEED FOR ANY TOOLS TO REDUCE THE CHANCE OF HUMAN ERROR.



## SIZE CHANGEOVER

- Can be done by the machine operator
- Only a few lightweight size parts to change
- Each step is assisted via the HMI; each size setting is stored in the computer so that production parameters are precisely repeated.



## 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 and statistics, troubleshooting, including changeover instructions, maintenance and manuals can also be obtained through the HMI screen. Also, reconciliation of production data to facilitate production batch closing, is possible from the machine interface.





## SIZE PARTS

IMA size parts are fully tested before being sent to the customer, which ensures that production can start immediately.

Originally manufactured size parts allow IMA machines to work at their highest production efficiency. Size parts are designed with a combination of detailed technical knowledge and practical know-how.

- 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.

## TRACK & TRACE

ONE LINE, ONE SOLUTION, ONE SUPPLIER  
FROM A TO Z

IMA Group supplies complete serialized Track & Trace lines starting from the primary packaging (blister, bottles, tubes etc.) to the secondary packaging (cartons, bundles, cases and pallets).

## CARTON SERIALIZATION

Integrated module to apply ink-jet printer and camera. Shorter line and high efficiency are granted because of less units in the line and a constant control of the carton in the toothed belt transport.



# SALES AND SERVICES

A GLOBAL APPROACH TO CUSTOMER REQUESTS. PROMPT AND EFFECTIVE TECHNICAL ASSISTANCE THROUGHOUT THE ENTIRE LIFE-CYCLE OF THE MACHINE.

GLOBAL MANAGEMENT OF LINE MATTERS FOR COMPLETE LINES SUPPLIED BY IMA.

DIRECT INVOLVEMENT OF ENGINEERING DEPARTMENTS AS REQUIRED.

## SERVICE

IMA machines incorporate the latest developments in technology and are designed to ensure the highest production efficiency with low maintenance.

To obtain top performance from our machines, IMA recommends **technical training courses** for personnel from Production (Operators, Technicians and Supervisors), R&D, Process Transfer Department and the Maintenance Department.

Training courses can be organized at IMA's site or at the customer's plant and are taught by qualified IMA technicians. These Courses are tailor-made and modular and are designed to fulfil each individual customer's specific needs. Basic, Intermediate and Advanced training modules can be applied and special attention is given to the customized units which are fitted on the client's specific machine.

These courses allow the customer's staff to operate the machine, maintain it in perfect working condition and explain how to carry out troubleshooting procedures in the easiest and fastest possible way.

IMA can also provide **course on improving O.E.E.** and increasing production levels which are very important objectives in the pharmaceutical industry.

To guarantee fast and efficient assistance and support, **RSA – Remote Service Assistance**, enables IMA to provide support via modem

and via tele-video conference. RSA enables an immediate analysis of the machine's status and working condition and can be of particular use in case if problems occur.

## SPARE PARTS

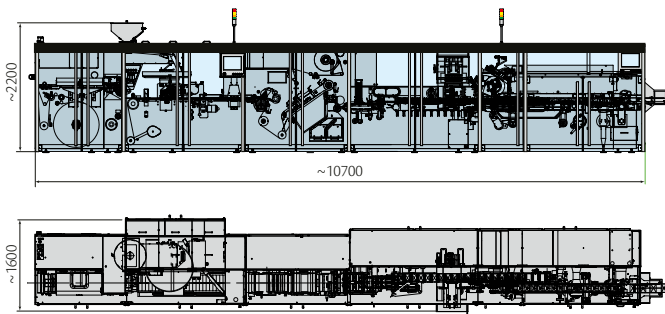
The service of supplying original **IMA spare parts** fits completely with IMA's first-class maintenance service concept of taking care of the equipment as well as the customer's investment completely. The Spares Department has a very efficient delivery network, thanks to our Subsidiaries and Agencies, we are able to carry out deliveries of Spare Parts in the shortest time possible.

Extended to most of the IMA machine models, **My IMA Spare Parts** is your virtual shop window available 7 days a week, 24 hours a day intended to provide immediate replies to enquiries, price, delivery time, quotations and order status. All that you need in just a few clicks!

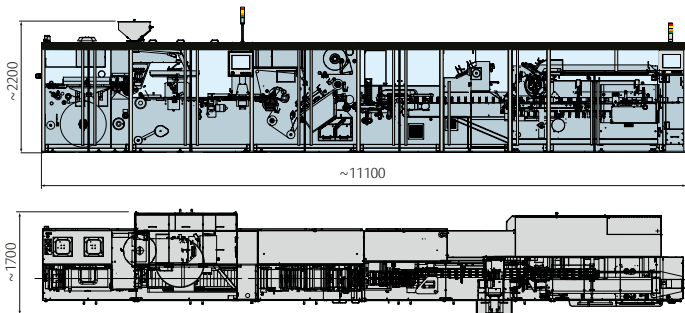
IMA SAFE provides prompt and effective **technical assistance** which covers the entire life cycle of its equipment. This assistance is provided by a dedicated team of experts able to meet our client's needs on a day to day basis. A customer oriented after sales service staff is what distinguishes IMA from the other manufacturers.



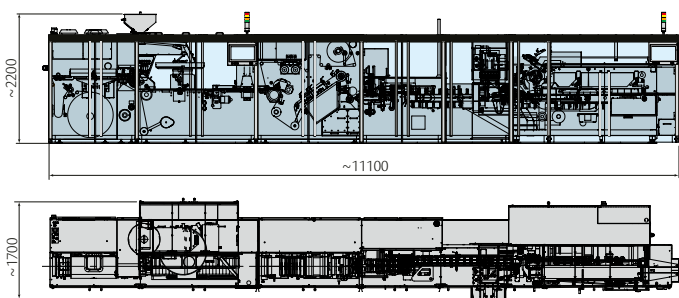
## C80HS-A96



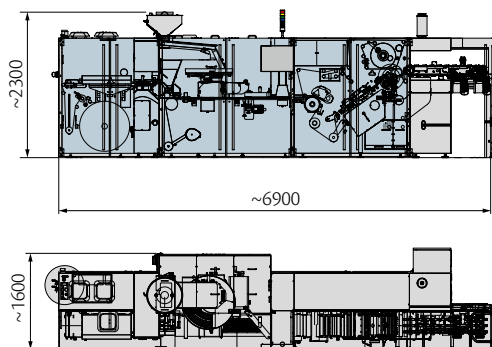
## C80HS-A86/A110



## C80HS-A76



## C80HSA STAND ALONE



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

	BLISTER DIMENSIONS	CARTON DIMENSIONS
Width	30-90 mm	35-95 mm
Length	60-145 mm	70-150 mm
Depth	3-12 mm	15-110 mm

PRODUCTION OUTPUT
Up to 750 blisters/min
Up to 500 cartons/min



### Forming materials

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



### Lidding materials

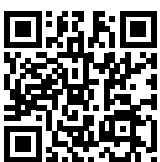
Alu, Alu/Paper, Alu/Polyester, PP and others



### Reel diameter

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

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IMA S.p.A.  
**IMA SAFE division**  
Via I Maggio 14/16 - 40064 Ozzano dell'Emilia (Bologna) - Italy  
Tel. +39 051 6514111 - Fax +39 051 6514743  
mktg.packaging@ima.it

