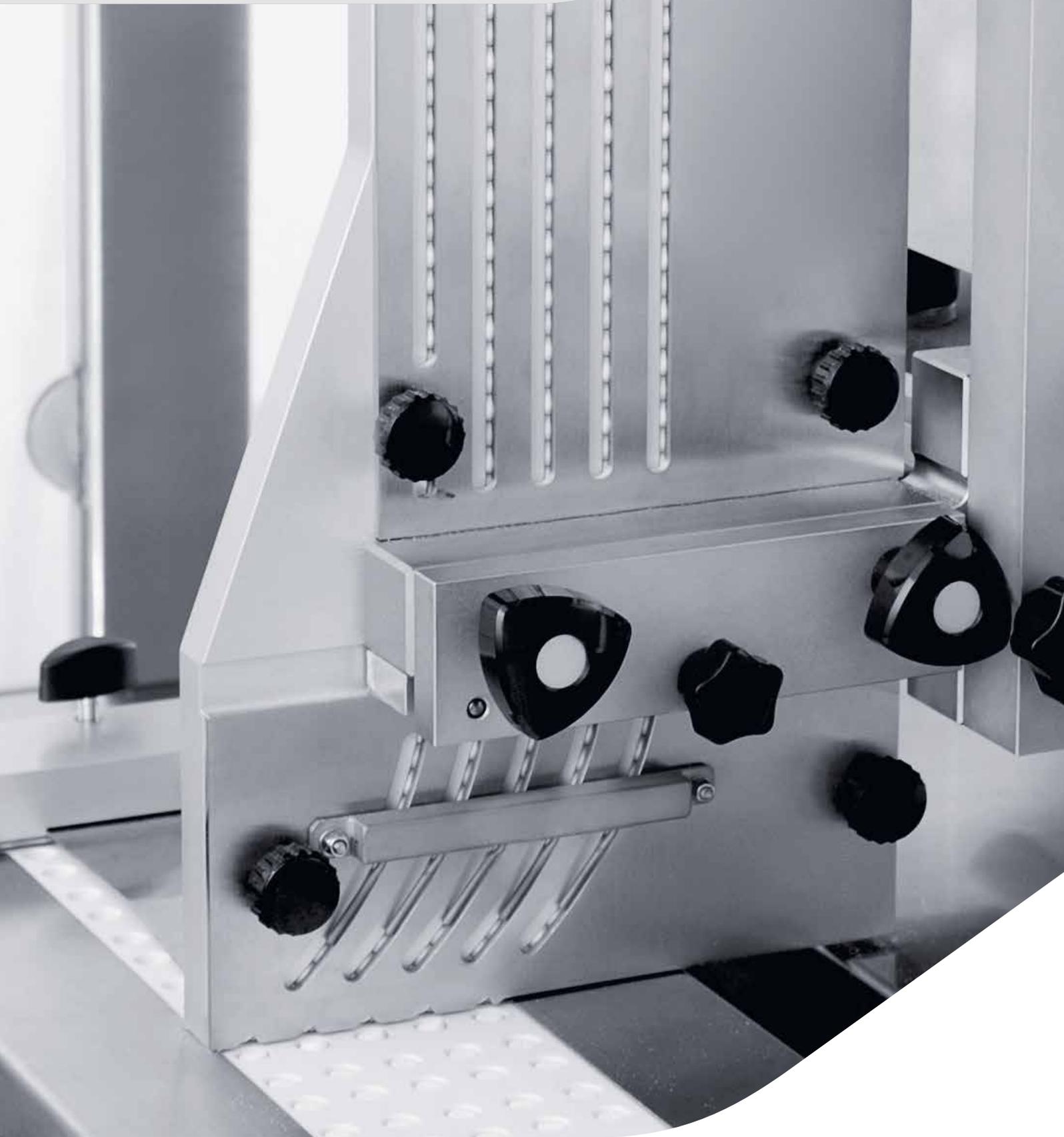


TR135

BLISTER PACKAGING MACHINE



TR135

MADE EASY FOR YOU

TR135 is a medium speed blister packaging machine based on a established technology and ease of use, also for semi-skilled operators. With the best price/performance ratio in its product category, it is the perfect solution for producing small to medium batches.

Its compact design and balcony-type structure make it extremely accessible and allow a full view of the entire product cycle.





TR135



1 PRE-HEATING AND FORMING UNITS

The forming area is designed to handle all types of packaging materials, both thermoforming and cold forming materials. Both pre-heating and forming units are completely accessible for maintenance and do not have any cables or tubes at sight.

2 FEEDING UNIT

The feeding area is separated from other working areas of the machine to eliminate any contamination issues and it is very easy to clean. Many feeding applications for any product shape are available.

3 FILLING CONTROL SYSTEM

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





4 SEALING UNIT

IMA Safe's continuous roller sealing guarantees the best performance and sealing quality and is able to handle all kinds of lidding materials: Alu-Hard, Alu-Soft, Alu/Paper, Alu/Polyester, PP and other.

Last but not least it is possible to install the pre-heating roller.

5 CODING AND PERFORATION UNITS

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.

6 CUTTING UNIT

The cutting unit is very light and easy to manage for a fast changeover. The blister transfer from the cutting unit to the cartoner is completely visible and flexible. All cartoners can be connected.

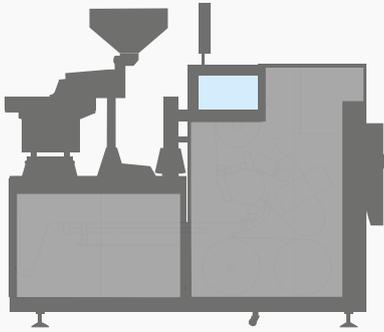
ADVANCED HMI

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.

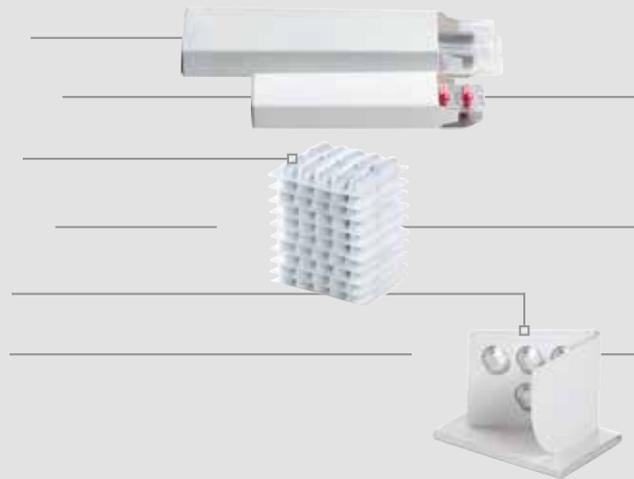
Production data, parameters settings and records are in compliance with 21CFR. Production data and statistics, including changeover instructions, maintenance and manuals can also be obtained through the HMI. Moreover, the reconciliation of production data to facilitate production batch closing is possible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



TR135



- CARTONS
- SLEEVE PACKS
- BUNDLES
- FLOWPACKS
- WALLETS
- OTHERS



EASY CONNECTION WITH EACH CARTONING MACHINE

The connection of the TR135 with both IMA cartoning machines and other machines on the market, is intrinsic to its design and results in compact systems not requiring any specific blister-aligning devices.



TR135-A83



TR135 IS EXTREMELY FLEXIBLE FOR CONNECTION TO DOWNSTREAM MACHINES AND DIFFERENT LAYOUT CONFIGURATIONS.



SIZE CHANGEOVER AND CLEANING

In the TR135, changeovers and routine cleaning operations are very easy and fast due to the machine's dimensions, accessibility, simple parts in fixed positions and digital indicators.

There are very few size parts, all of which are small and light-weight, and can be replaced without the use of tools.

The complete size changeover is carried out through a sequence of simple preset user-friendly procedures without having to go through micro-adjustments.

TR135



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.

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.

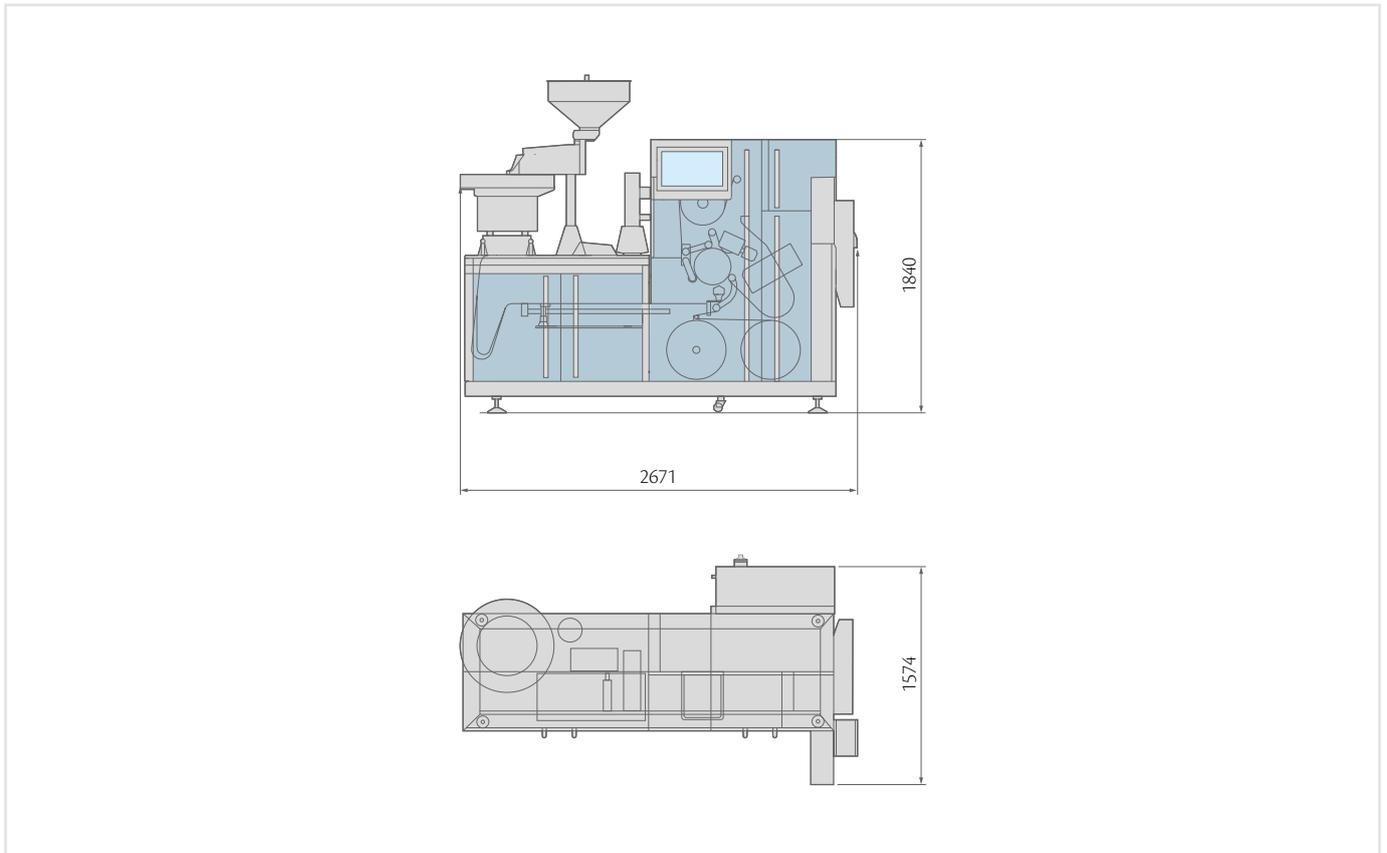
Quick-kit

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 at the same time receiving 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

BLISTER DIMENSIONS	
Width	30-88 mm
Length	60-135 mm
Depth	3-12 mm

PRODUCTION OUTPUT	
Up to 230 blisters/min	



Forming materials

Alu, PP, PVC, PVC/PVDC,
PVC/Aclar®, PET, COC and other.



Lidding materials

Alu-Hard, Alu-Soft, Alu/Paper, Alu/Polyester,
PP and other.

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