

BETA SERIES

VERTICAL INTERMITTENT MOTION SACHET MACHINE



ABOUT PERFECT PACK



PERFECT PACK HAS OVER 30 YEARS' EXPERIENCE IN THE DESIGN AND MANUFACTURE OF AUTOMATIC SACHET AND STICK PACK MACHINES WORKING WITH INTERMITTENT SYSTEMS AS WELL AS COMPLETE PACKAGING LINES.

High quality and unique techniques make our equipment well appreciated and utilized in the major industrial sectors: pharmaceutical, cosmetic etc. to produce both high quality standard and customized packages.

BETA SERIES

Beta series vertical sachet packaging machines for 4-seal sachets guarantees complete flexibility in terms of configurations and production outputs. A production range up to 700 sachets per minute is covered.

High quality and aesthetically first-class sachets are produced as the seals are made during the stationary phase. Thanks to advanced technology all size changeover and cleaning operations are extremely easy. The combination of these features makes these packaging machines particularly suitable for the pharmaceutical, cosmetic and nutraceutical sectors.



Beta 500 - Configuration for powder packaging

BETA SERIES VERTICAL INTERMITTENT MOTION SACHET



REEL HOLDER AND SPLICING UNIT

Film unwinding activated by synchronized servomotors (brushless) without any kind of brake system, constant film tension and automatic reel alignment. The unit also includes an automatic calculation of the reel diameter avoiding the use of additional sensors. To help the operator, the motorized reel lifting allows it to be moved easily from the pallet to the right position on the machine.

The splicing table helps the operator with the reel replacement and reduce waste material.

CODING AND CAMERA UNIT

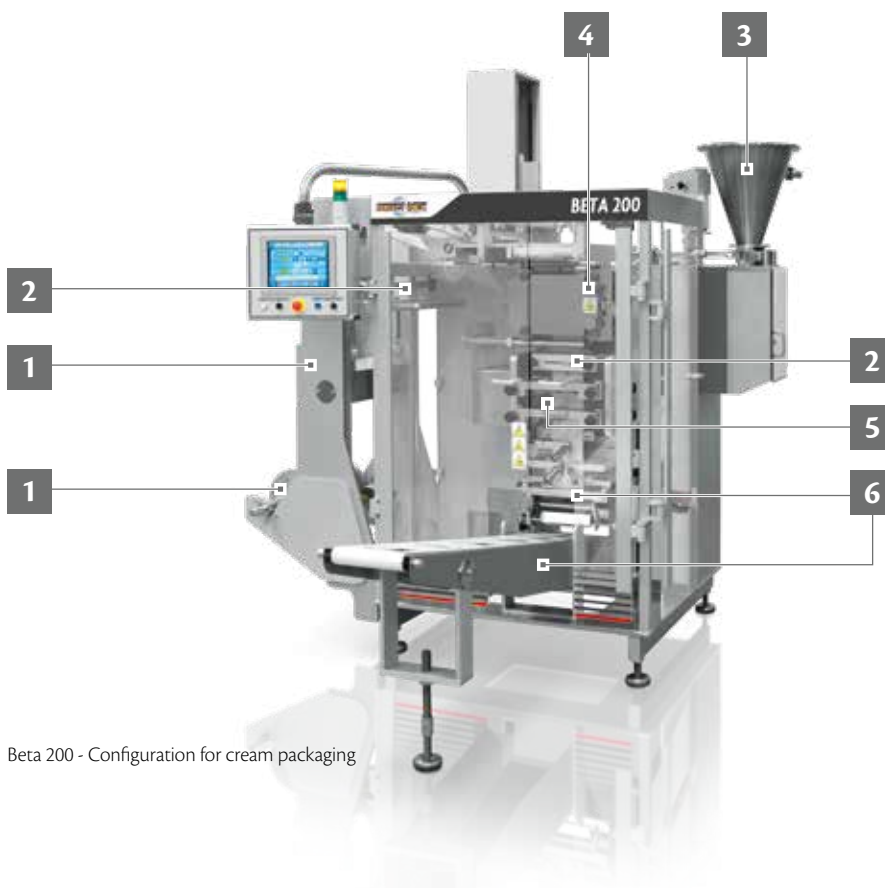
Motorized unit with ink-jet coding, by means of gun or cartridge, and 100% camera control included. This flexible system allows coding on any reel side: front or back.

SEALING UNIT

Sealing plate unit with seal done during the stationary phase. This allows to have an high sealing pressure with consequent sealing temperature reduction and stability over the entire area of the plates. During the machine stoppage, the system opens the sealing plates avoiding the film heating. The sachet width changeover is very quick.

Group validation is very easy thanks to:

- Control of the sealing plates position by means of brushless system.
- Pressure control for each production cycle.
- Outstanding temperature stability and control.



1. REEL HOLDER AND SPLICING UNIT
2. CODING AND CAMERA UNIT
3. DOSING UNIT
4. SEALING UNIT
5. PULLING UNIT
6. CUTTING UNIT AND SACHET PICK&PLACE TO THE CONVEYOR BELT

MACHINE



PULLING UNIT

The pulling unit can be removed and replaced very easily, for cleaning and maintenance procedures, without the use of any tools. It can be regulated or replaced in a very short time for sachet width changeover as well.



CUTTING UNIT AND SACHET PICK&PLACE TO THE CONVEYOR BELT

Vertical cutting position with automatic regulation (brushless system) depending on the sachet size.

Optional Pick & Place system in order to arrange the sachets tidily on the conveyor belt. The group can be replaced without the use of any tools. Possibility to have IPC control.

It is also possible to integrate a checkweigher system for 100% weight control and automatic feedback to the dosing system.

ADVANCED HMI

The operator interface has been designed to fully meet operator requirements. This PC touch screen panel enables easy and intuitive management of the machine's production and status. It is possible to set online help for quick access to the main functions. Four levels of password and production data, parameter setting and records in compliance with 21CFR.

Moreover, it is possible to integrate the remote control of third-party printing units.



DOSING SYSTEMS



DOSER WITH PISTONS
for dense and semi-dense products



GRAVIMETRIC DOSER
for fluid products



AUGER DOSER for powders,
free and non free flowing products

Perfect Pack machines can handle all types of product. From paste products to fluid products, powders, free and non free flowing products, tablets and capsules, objects and accessories such as wipes. Multiple dosing systems can be installed in the same machine, enabling alternative production of powder and dense product or dense product and wet wipes. In case of powder dosing, it is also possible to have a double auger to dose two different powders into the same sachet. This guarantees the correct percentage of active component is inserted into each sachet even with powders that tend to separate.

All dosing systems are extremely efficient and very easy to clean.



Wet wipe folding group

SIZE CHANGEOVER AND CLEANING OPERATIONS

BETA MACHINES GUARANTEE EXTREMELY EASY SIZE CHANGEOVERS IN TERMS OF BOTH SACHET WIDTH AND LENGTH THANKS TO:

- DOSING SYSTEMS THAT, ALSO FOR AUGER DOSERS FOR POWDER, HAVE THE POSSIBILITY TO MODIFY THE DISTANCE BETWEEN THE AUGERS.
- SEALING UNIT THAT ALLOWS THE SEALING PLATES TO BE REPLACED EXTREMELY EASILY.
- PULLING AND CUTTING UNIT THAT ALLOWS THE GROUP TO BE REPLACED WITHOUT THE USE OF ANY TOOLS.
- IN CASE OF POWDER OR CREAM DOSAGES, THE DOSING UNIT CAN ROTATE OUTSIDE THE MACHINE IN AN ERGONOMIC POSITION FOR THE OPERATOR.

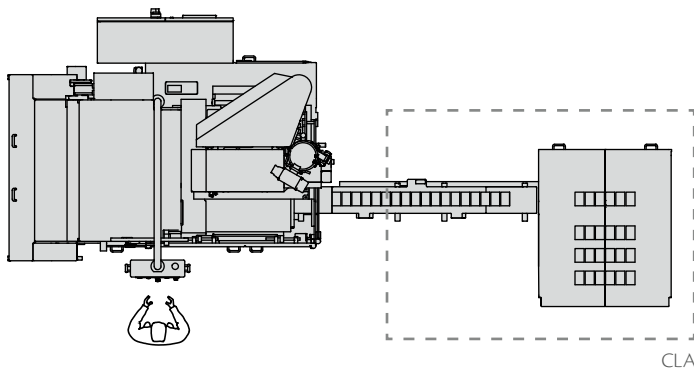
Moreover, it is possible to install on the same machine different types of dosing system, such as auger doser for powders and doser for paste products on-board machine. Otherwise, a doser for paste products on trolley is available, which is removed when not in use. This flexibility is key in reducing machine stoppages to a minimum even in the event of a production changeover. Our CLA systems (stacking and transfer unit) also allow sachet width to be changed, subject to definition.



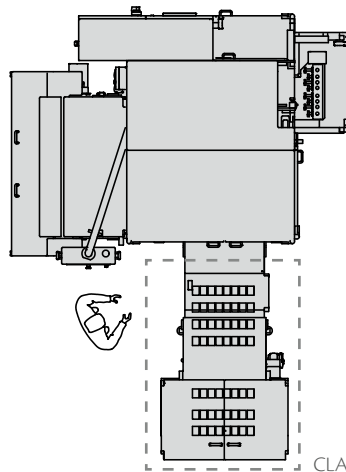
BETA 360 - Configuration for wet wipe packaging

CLA STACKING AND TRANSFER SYSTEMS

Beta machines assure easy synchronization with downstream machines: complete lines can be supplied. Thanks to our CLA stacking and transfer systems, between primary and secondary packaging, we guarantee complete flexibility in layout.



CONFIGURATION WITH CLA
IN **LATERAL** POSITION



CONFIGURATION WITH CLA
IN **FRONTAL** POSITION

COMPLETE LINES

ONLY ONE SUPPLIER FOR YOUR SACHET AND STICK PACKAGING LINES

Carton dimensions (MIN-MAX):

	WIDTH (MM)	HEIGHT (MM)	LENGTH (MM)	MAXIMUM SPEED
X2 S	15-105	12-90	65-220	140 cartons/min.
XL2 S	15-165	12-100	65-220	90 cartons/min.



X2 S/XL2 S

Carton dimensions (MIN-MAX):

	WIDTH (MM)	HEIGHT (MM)	LENGTH (MM)	MAXIMUM SPEED
FLEXA	15-140	12-90	55-220	120 cartons/min.



FLEXA

Carton dimensions (MIN-MAX):

	WIDTH (MM)	HEIGHT (MM)	LENGTH (MM)	MAXIMUM SPEED
DYNAMICA	25-130	12-90	65-200	250 cartons/min.



DYNAMICA

ONE SUPPLIER FROM A TO Z

IMA Safe can provide complete and efficient packaging lines starting from primary packaging to secondary packaging. Sachet and stick machines can be connected to a wide range of cartoners depending on customer requirements. Versatile "End of Line solutions", from case packing to palletizing, can complete your ideal line as you prefer.



SALES AND SERVICES

PERFECT PACK IS PROUD TO OFFER ITS CUSTOMERS EXCELLENT AND PROMPT CUSTOMER SERVICE TO GUARANTEE ACCURATE AND EFFICIENT FEEDBACK TO FULLY SATISFY EVEN THE MOST DEMANDING PACKAGING NEEDS.



SPARE PARTS

The use of original spare parts is essential to guaranteeing perfect machine working order and providing full production efficiency.

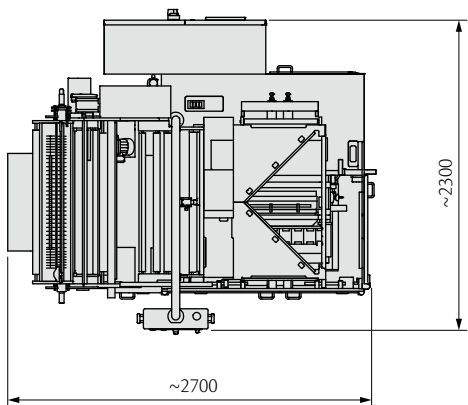
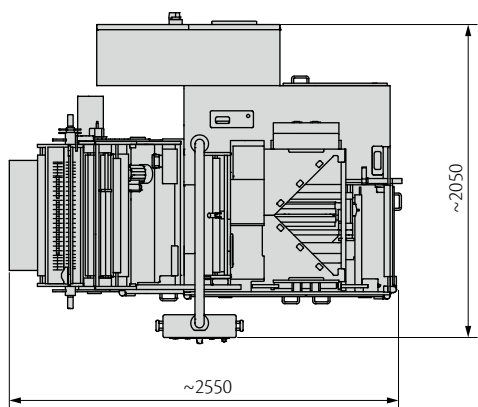
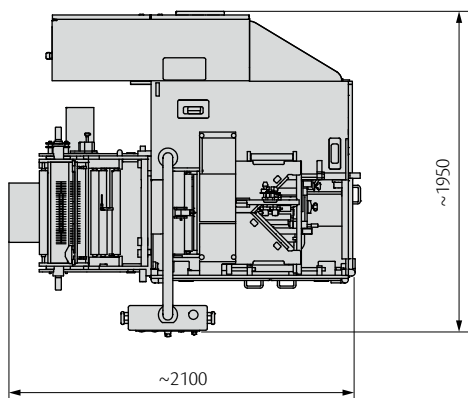
Spare parts can be ordered from IMA directly or via the MyIMA e-commerce system and shipped to you within 24-36 hours.

- PRESENT IN OVER 70 COUNTRIES
- 10 BRANCHES PROVIDING SALES AND SERVICE
- MORE THAN 50 REPRESENTING AGENCIES
- TECHNICIANS FROM ITALY, LOCAL SUBSIDIARIES AND AGENCIES

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.



TECHNICAL DATA



BETA 200

Sachet dimensions (MIN-MAX):

WIDTH (MM)	LENGTH (MM)	N. LANES	PRODUCTION OUTPUT
100-200	50-170	1	Up to 280 sachets/min.
40-100		2	
40-50		4	

BETA 360

Sachet dimensions (MIN-MAX):

WIDTH (MM)	LENGTH (MM)	N. LANES	PRODUCTION OUTPUT
40-90	50-170	4	Up to 450 sachets/min.
40-60		6	

BETA 500

Sachet dimensions (MIN-MAX):

WIDTH (MM)	LENGTH (MM)	N. LANES	PRODUCTION OUTPUT
40-80	50-170	6	Up to 700 sachets/min.
40-60		8	
40-50		10	

OPTIONALS

- MOTORIZED REEL LIFTING
- AUTOMATIC REEL ALIGNMENT
- SPLICING TABLE
- 100% CONTROL CAMERAS
- CUTTING UNIT WITH MOTORIZED POSITIONING
- PICK&PLACE SYSTEM TO ARRANGE SACHETS ON THE CONVEYOR BELT
- CHECKWEIGHER FOR 100% WEIGHT CONTROL AND FEEDBACK TO THE DOSING SYSTEM
- CLA SACHET STACKING AND TRANSFER SYSTEM

www.perfect-pack.com



PERFECT PACK srl

Via Borghetto 4, - 47923 Rimini - Italy
Tel. +39 0541 728208 - Fax: +39 0541 728040
info@perfect-pack.com - www.ima.it