



**FOOD SOLUTIONS**



# COMPANY OVERVIEW

**ACMA** is a leading manufacturer of packaging machines in the **consumer goods market**, with an international breath. ACMA headquarter is located in Bologna (Italy), with production plants located in Italy.

Designs and manufactures automatic packaging machine for products like:

- **Confectionery** (chocolate, bakery, candies and gums)
- **Detergents and soaps** (liquids, powders and bars)
- **Tea and coffee**

**ACMA is part of COESIA**, a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.



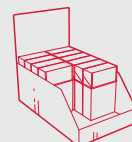
**95%**

OF ALL MACHINES  
ARE EXPORT



**250**

EMPLOYEES





ACMA ensures its customers and stakeholders with ISO 9001 Standard, and all products are designed to meet the **International standards for quality system** management, process control and continuous improvement.

ACMA leading expertise gained in more than **95 years of market presence**, and the synergies with COESIA, allow customers to rely on a business partner for **solutions with different levels of complexity**. From the complete design of new developments to line integration toward pre-installed equipment, ACMA can advise the best solution considering packaging design and features, product and service development, as well as overall TCO improvement.



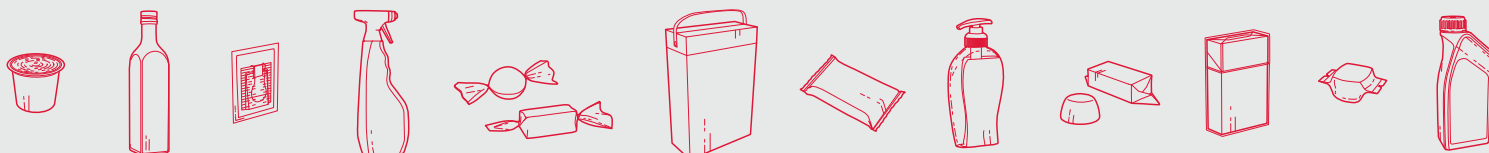
**1000**

MACHINES INSTALLED  
OVER LAST 10 YEARS



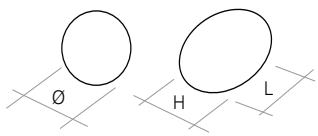
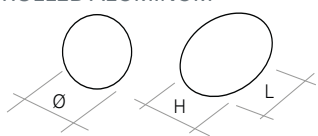
**5%**

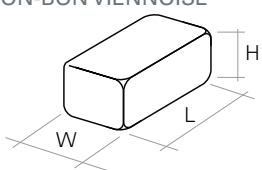
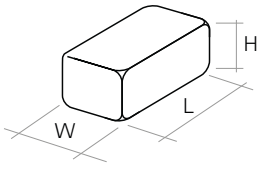
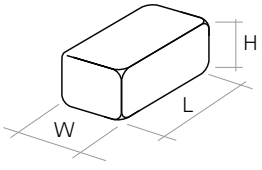
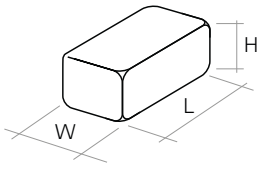
OF SALES IN R&D



# TECHNICAL DATA

## PRODUCTS SIZES

PRODUCT		MACHINE CW 200 S	MACHINE CW 800 R	MACHINE CW 1005
		mm	mm	mm
DOUBLE TWIST		Ø	-	Min 15 Max 29
		L	-	Min 25 Max 34
		H	-	Min 15 Max 28
ROLLED ALUMINUM		Ø	Min 35 Max 55	-
		L	Min 40 Max 65	-
		H	Min 35 Max 55	-

PRODUCT		MACHINE CW 850 F - M	MACHINE CW 600	MACHINE CW 1005
		mm	mm	mm
BON-BON VIENNOISE		L	Min 15 Max 45	-
		W	Min 10 Max 25	-
		H	Min 5 Max 20	-
POINT END FOLD, BUNCH		L	Min 28 Max 60	Min 22 Max 60
		W	Min 18 Max 30	Min 18 Max 35
		H	Min 8 Max 25	Min 8 Max 30
DOUBLE TWIST		L	Min 28 Max 60	Min 22 Max 60
		W	Min 18 Max 25	Min 18 Max 35
		H	Min 8 Max 30	Min 8 Max 30
TWIST ON TOP / ON SIDE		L	Min 28 Max 60	Min 22 Max 60
		W	Min 18 Max 25	Min 18 Max 35
		H	Min 8 Max 30	Min 8 Max 30
PROTECTED DUBLETWIST (SEAL)	Ø	-	-	Min 15 Max 40
	H	-	-	Min 8 Max 22





# CW 1005

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Double twist round



Double twist flat



Protected double twist  
(only for flat products)

Automatic wrapping machine equipped with belt infeed system for soft and delicate products like chocolate or candies wrapped on double twist style with inner and outer wrapping material.

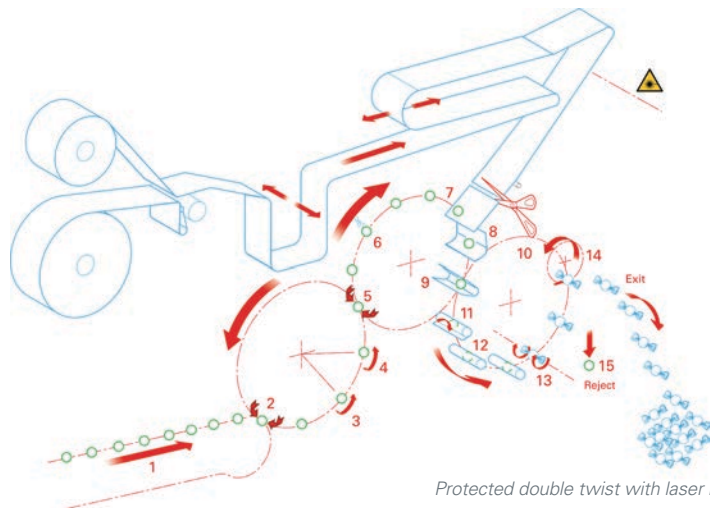


## MACHINE TECHNICAL FEATURES

- Gentle product handling even at high speed thanks to three continuous motion wrapping heads
- High accuracy product timing system driven by brushless motors
- Cantilevered machine design
- Servo driven independently motorized reel unwinding system with patented automatic splicer
- Clean wrapping material handling: contact with rollers only on the external surface
- Saving of wrapping material thanks to no product - no paper device even at high speed
- Modular machine design: capability to make periodical or extraordinary maintenance with minimum machine downtime by using modular spare unit (cutting system and twisting unit) and working off line
- Servo driven wrapping material cutting system
- Protected double twist with cold seal and application of easy opening cut
- Infeed system:
  - Automated pick up infeed system (VL) for round shape products
  - Automated timing belt infeed for flat base products
  - Patented centrifugal (GM) infeed system for flat base products

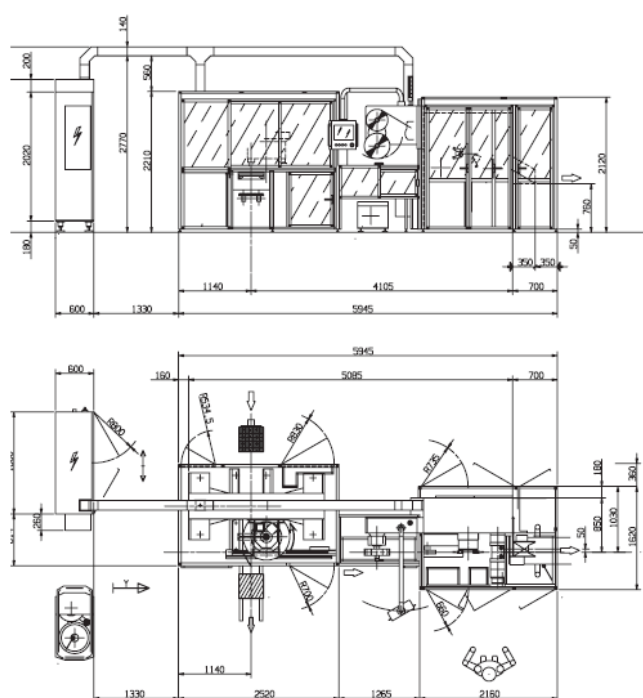
## PROCESS FLOW

1. Feeding unit
2. 1st station of wrapping wheel
3. Rotating unit to turn 90 degrees the product
4. 2nd rotating unit to place the product
5. 2nd station of wrapping wheel
6. Product settling
7. Cutting unit for the film material
8. 1st fold station
9. 2nd fold station
10. 3rd station of wrapping wheel
11. 3rd fold station
12. 4th fold station
13. 5th fold station
14. Exit slide
15. Reject of non-conform products



*Protected double twist with laser marker*

## TECHNICAL DATA



Max. speed	Up to 1000 ppm for the double twist Speed reduction for protected double twist depending by the product shape and reels materials	
Wrapping style	Double twist, Protected double twist (only for flat products)	
Wrapping material	For double twist: Plastic material (PP, PVC), Cellophane, wax paper, multilayer films For protected double twist: Polypropylene film (PP-OPP), foil laminations, paper / polyethylene laminations	
Machine technical features	Installed power	33 kW
	Compressed air	6 bar/160 NI/1'
	Weight	5800 kg
Optionals	Provision for laser coding unit model Markem Smart-Lase C350 (coding unit excluded) Predictive maintenance kit Print centering device	



# CW 850 F - M

## TECHNOLOGY



*Fold wrapping*

Patented multistyle automatic wrapping machine suitable for a wide range of preformed products, both chocolates and candies.

## PACK TYPE



Double twist



Bunch



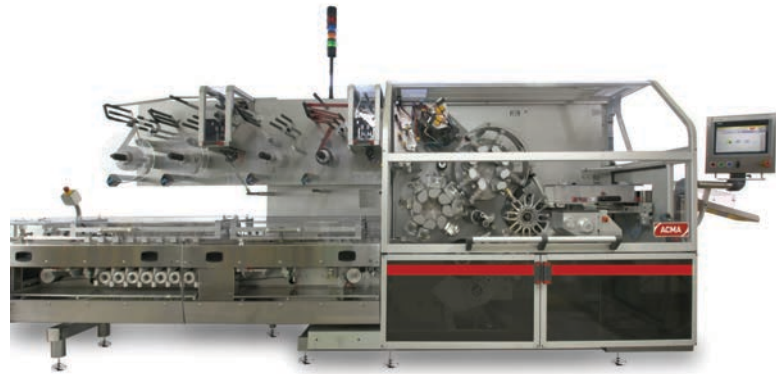
Fancy



Bon-bon  
viennoise



Twist on top

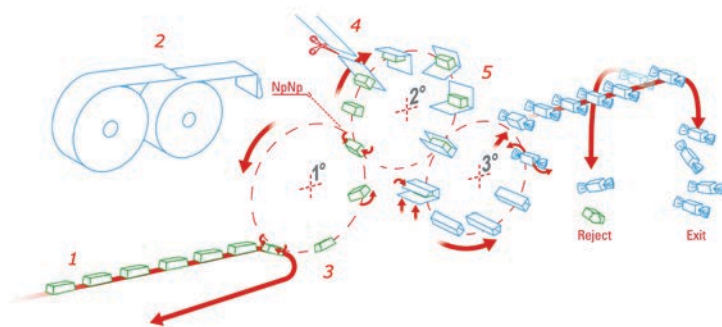


## MACHINE TECHNICAL FEATURES

- Continuous motion infeed system
- Delicate products handling
  - Accumulation module to grant continuous feeding
  - Vacuum supported phasing belt to keep correct products registration
  - Continuous motion, to allow low stress /acceleration on the product
  - Double pincers able to offset potential product size deviation
- Indexing last wrapping head
- High flexibility: easy and quick style changeover
- Independent unwinding for inner and outer wrap
- Different cutoff length for better appearance and material saving

## PROCESS FLOW

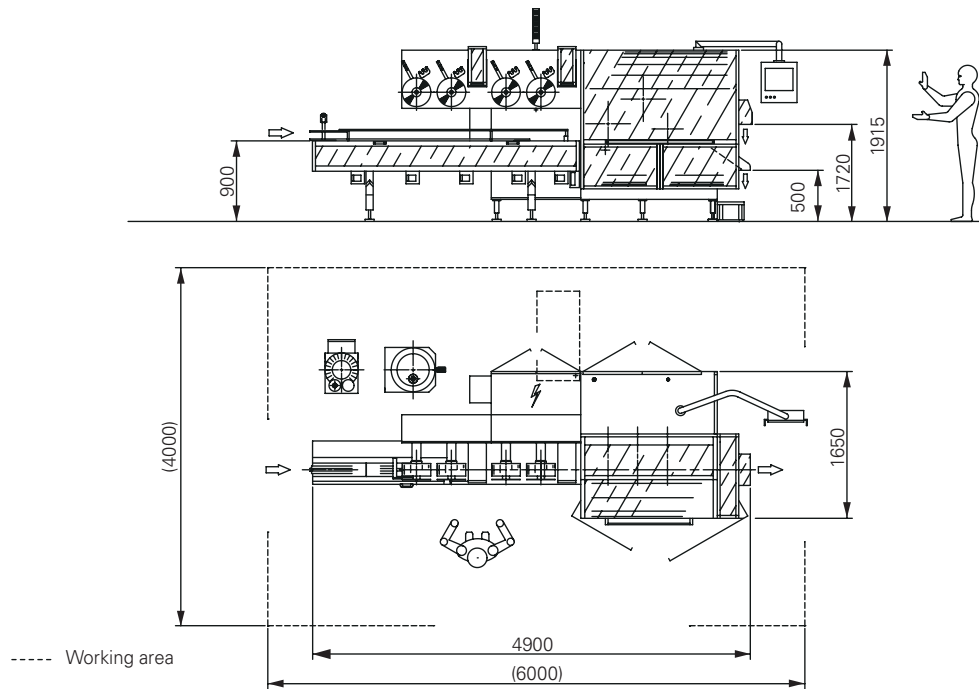
1. Feeding unit
2. Paper level
3. Product picking
4. Cutting unit
5. Wrapping unit



*Double twist*



## TECHNICAL DATA



<b>Max. speed</b>	850 ppm	
<b>Wrapping style</b>	Bunch, Double twist, Fancy, Viennese, Twist on top	
<b>Wrapping material</b>	Plastic material (PP, PVC), Cellophane, Wax paper, other multilayer materials	
<b>Reel size</b>	Outer	300 mm
	Inner	70 mm
<b>Machine technical features</b>	Installed power	6 kW
	Compressed air	100 NI/1'
	Weight	3500 kg
<b>CW 850 F - M Feeding Systems</b>	NCF (No Contact Feeder), LCF (Low Contact Feeder)	
<b>Optionals</b>	Automatic reel splicing	
	Print centering device	
	Additional double reel holder	
	Product reject system	
	Different cut off lenght	
	ARA (Advanced Remote Assistance)	

# CW 800 R

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Rolled aluminium



Double twist

Automatic wrapping machine equipped for spherical and egg shaped chocolate products in double twist and rolled aluminium style.

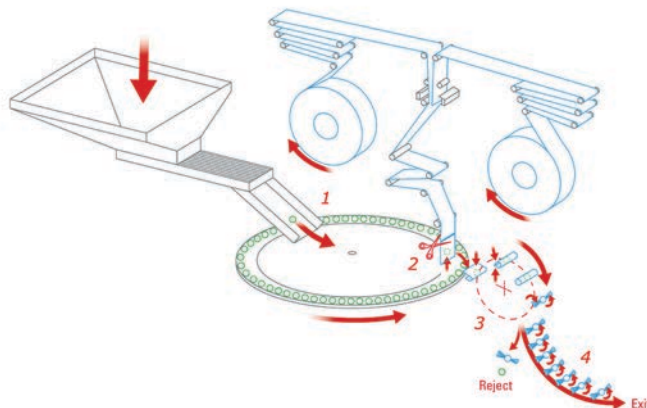


## MACHINE TECHNICAL FEATURES

- Easy cleaning thanks to quickly removable hopper device
- Less product residues on plate thanks to vibrating rods
- Higher disk feeding efficiency enabled by innovative disk motion
- Wide range of potential wrapping materials thanks to film unwinder
- Easily removable cutting elements for quick adjustment
- Movable grippers for higher product tolerance
- Paper platform motion inside the machine frame
- Machine available with twisting or rolled aluminium unit or both
- Quick size and style change over in about 60 min
- Aluminium casting machine frame in a reduced footprint

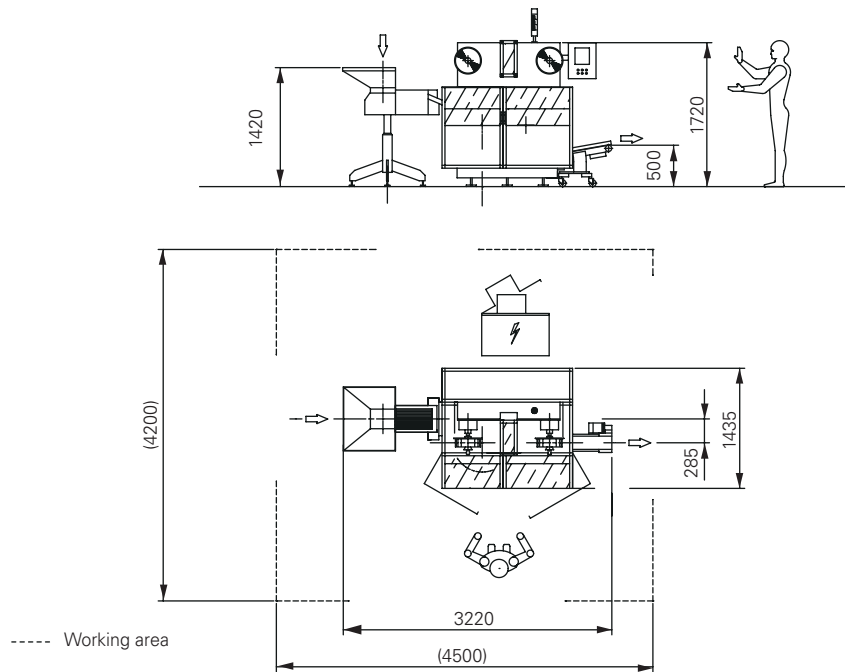
## PROCESS FLOW

1. Feeding disk
2. Paper level
3. Wrapping wheel
4. Outfeed belt



*Double twist*

## TECHNICAL DATA



<b>Max. speed</b>	800 ppm	
<b>Wrapping style</b>	Double twist, rolled aluminium	
<b>Wrapping material</b>	Cellophane, PVC, Wax paper, Polypropylene, Aluminium and multi layer wrapping materials	
<b>Reel size</b>	Outer	300 mm
	Inner	70 mm
	Max width	120 mm
<b>Machine technical features</b>	Installed power	5 kW
	Compressed air	100 NI/1'
	Weight	1340 kg
<b>Optionals</b>	Automatic reel splicing Print centering device Additional double reel holder Product reject system ARA (Advanced Remote Assistance) Laser marker Markem	



# CW 600 F

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Double twist



Bunch



Portfolio



Twist on top



Twist on side



Napolitains



Portfolio with  
banderol

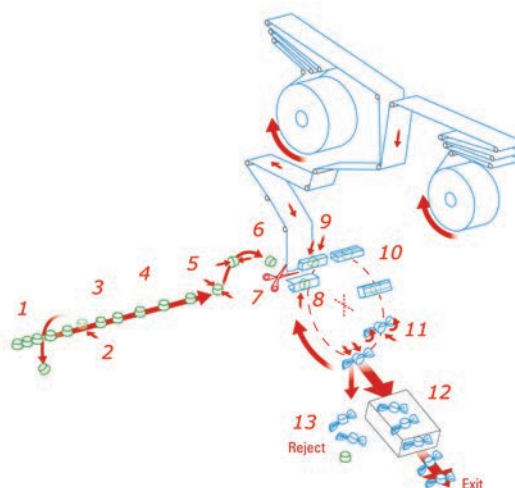


## MACHINE TECHNICAL FEATURES

- Flexibility
  - 5 wrapping styles thanks to modular design
  - Rapid changeover (max 60 min)
- Gentle and accurate product handling enabled by:
  - Accumulation infeed module electronically controlled by servodrive
  - Timing system with toothed belt for perfect product positioning
- Usability & Maintainability
  - Right-hand and left-hand product out-flow solution available
- Compact and simple design with integrated electrical cabinet
- Easy and direct access to all machine modules by the front

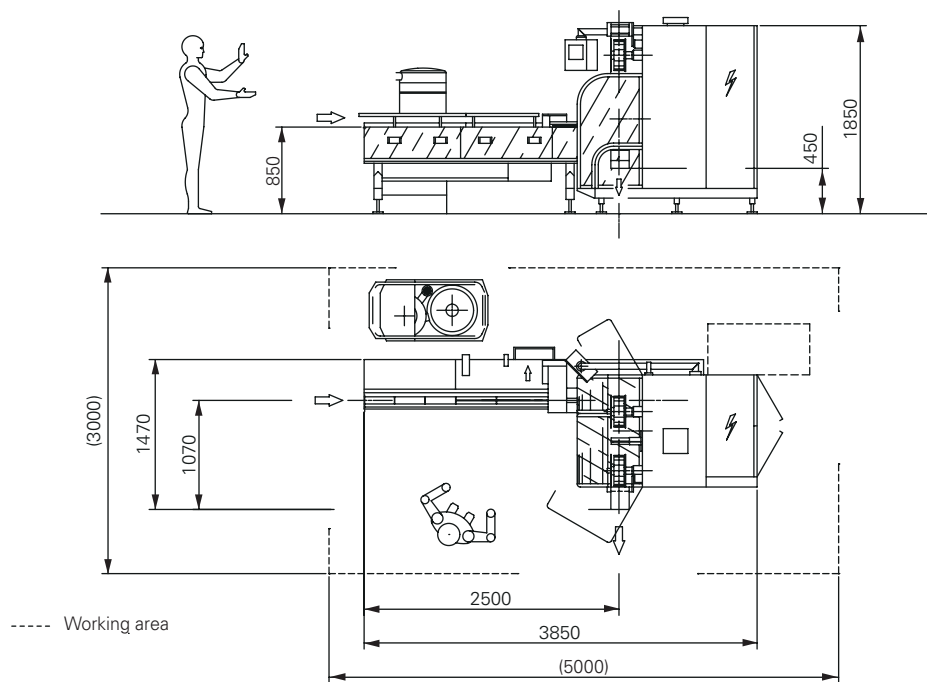
## PROCESS FLOW

1. Accumulation feeding - LCF4
2. Reject system
3. Phasing system
4. Photocell - No Product No Paper
5. Rotating unit to turn 45 degrees the product
6. Second rotating unit to place the product
7. Cutting unit for the film material
8. 1st fold station
9. 1st station of wrapping wheel
10. 2nd fold station
11. 3rd fold station
12. Exit slide
13. Reject of non-conform products



*Double Twist*

## TECHNICAL DATA



<b>Max. speed</b>	600 ppm (depending on wrapping style)	
<b>Wrapping style</b>	Bunch, Double twist, Fancy, Twist on top, Twist on side, Wallet	
<b>Wrapping material</b>	Plastic material (PP, PVC), Cellophane, Wax paper, other multilayer materials	
<b>Machine technical features</b>	Installed power	11 kW
	Absorbed Power	7,5 kW
	Compressed air	30 NI/1'
	Weight	2210 kg
	Electrical connections	TN/380 V - 50 Hz
	Relative pressure	6 bar
<b>Optionals</b>	Automatic reel splicing Print centering device Wrapping material differential unwinding device Dedicated size changeover group	



# CF 1000

## TECHNOLOGY



*Flow wrapping*

Continuous motion horizontal form-fill and seal machine to flowwrap products with heatsealing (or coldsealing) material taken from reel.

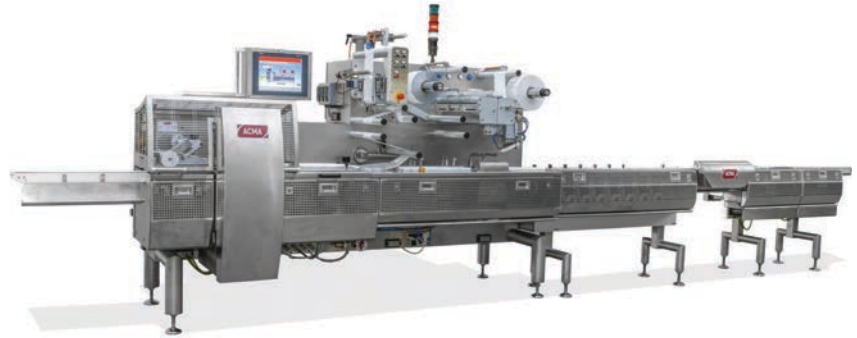
## PACK TYPE



Pillow pack



Pillow bag

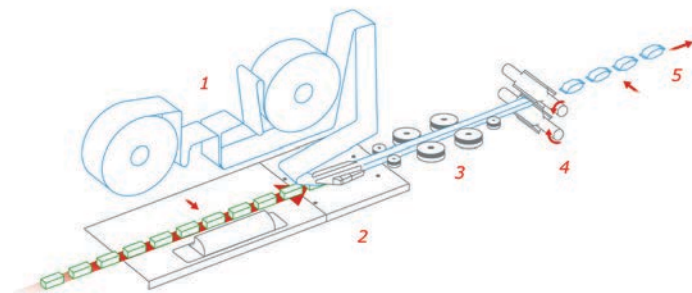


## MACHINE TECHNICAL FEATURES

- Cantilevered ergonomic main frame for easy cleaning
- 5 brushless servo-motors
- Double reel-holder up to 400 mm web width (optional 600 mm)
- Self centering film reel holder with pneumatic locking
- Servo driven film unwinder
- Automatic splicer
- Longitudinal Film Sealing Unit composed of 4 sets of wheels
- 10" Touch Screen high-definition control panel
- Integrated electrical cabinet
- Schneider automation

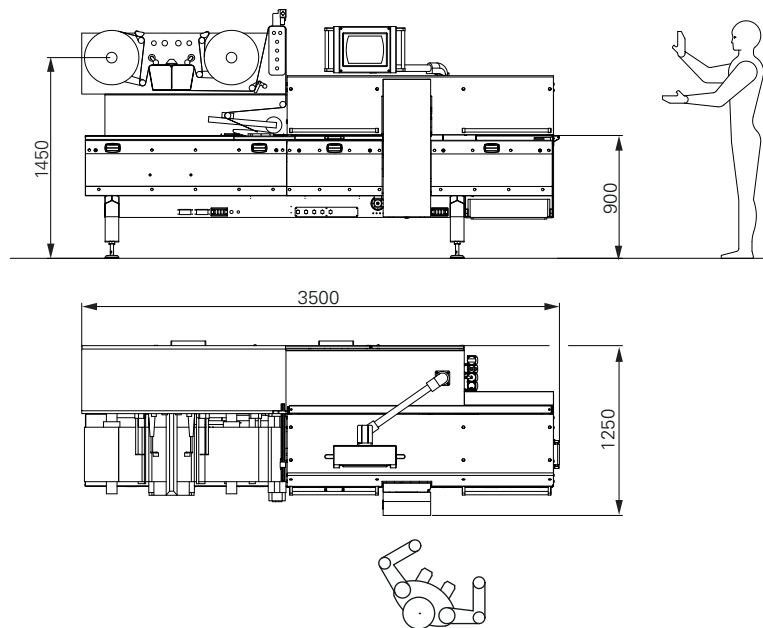
## PROCESS FLOW

1. Reels with automatic splicer
2. Forming box
3. Longitudinal film seal unit
4. Rotary crimper
5. Automated outfeed belt





## TECHNICAL DATA



<b>Max speed</b>	Max. production speed	1000 ppm
	Max. paper speed	100 m/min
<b>Wrapping style</b>	Pillow pack - 3 seals	
<b>Wrapping material</b>	Polypropylene film (PP-OPP), foil laminations, paper/polyethylene laminations	
<b>Main technical data</b>	Film width Max.	400 mm
	Film thickness	30 - 65 micron
<b>Machine technical features</b>	Installed power	12 kW
	Compressed air	20 NI/1'
	Weight	2100 kg
<b>CF 1000 Feeding systems</b>	LCF (Low Contact Feeder), NCF (No Contact Feeder), Customized solutions	
<b>Optional</b>	Longitudinal Film Seal Control Unit for precise flap alignment	
	Rotary gusseting unit	
	Longdwell crimper	
	Cantilevered rotary crimper	
	Count and cut function	
	Gas Flushing unit	
	Air suction unit	
	Longitudinal tear strip tape unit	
	Flap closing unit (fold down device)	
	Carton feeder unit	
	Rockwell automation	

# CF 1200

## TECHNOLOGY



*Flow wrapping*

## PACK TYPE



Pillow pack

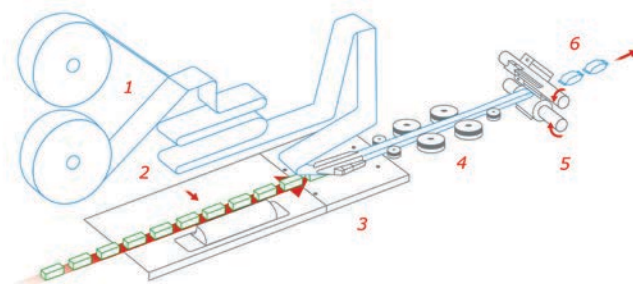


## MACHINE TECHNICAL FEATURES

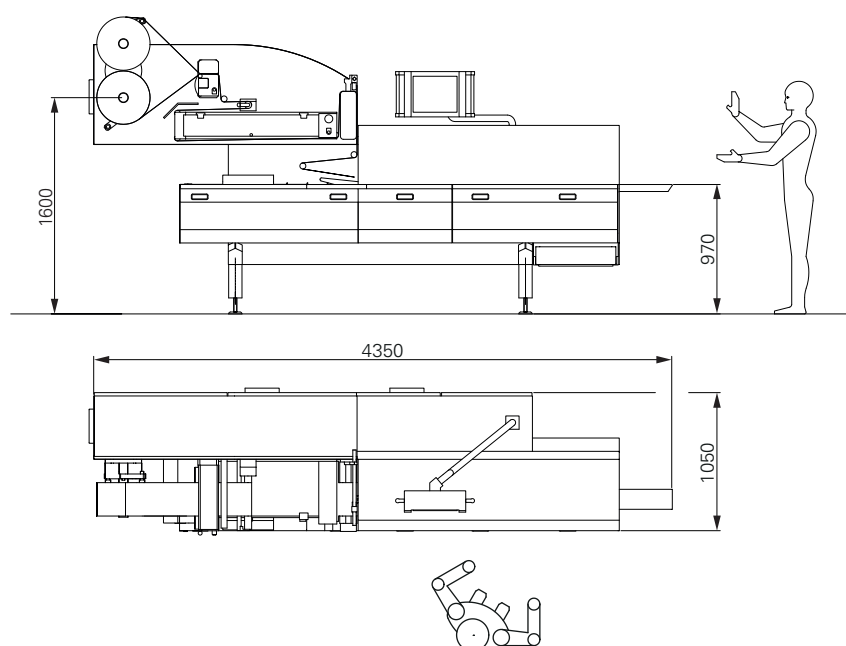
- Cantilevered ergonomic main frame for easy cleaning
- 5 brushless servo-motors
- Double reel-holder up to 400 mm web width (optional 600 mm)
- Self centering film reel holder with pneumatic locking
- Automatic splicer
- Longitudinal Film Sealing Unit composed of 2 sets of wheels
- 10" Touch Screen high-definition control panel
- Integrated electrical cabinet
- Cantilevered crimper for easy change over

## PROCESS FLOW

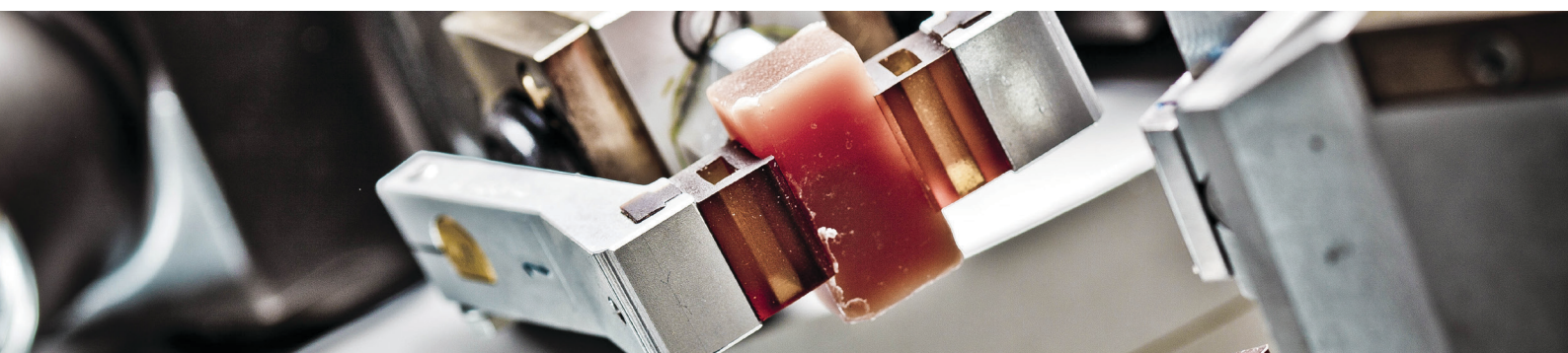
1. Reels with automatic splicer
2. Pneumatic film tensioning
3. Forming box
4. Longitudinal film seal unit
5. Cantilevered rotary crimper
6. Automated outfeed belt



## TECHNICAL DATA



<b>Max speed</b>	Max. production speed	1200 ppm
	Max. paper speed	120 m/min
<b>Wrapping style</b>	Pillow pack - 3 seals	
<b>Wrapping material</b>	Cold seal material	
<b>Main technical data</b>	Film width Max	600 mm
	Film thickness	25 - 40 micron
<b>Machine technical features</b>	Installed power	12 kW
	Compressed air	20 NI/1'
	Weight	2400 kg
<b>CF 1200 Feeding systems</b>	LCF (Low Contact Feeder), NCF (No Contact Feeder)	
<b>Optional</b>	Longitudinal Film Seal Control Unit for precise flap alignment	
	Rotary gusseting unit	
	Gas Flushing unit	
	Air suction unit	





# BF 450

## TECHNOLOGY



*Flow wrapping*

## PACK TYPE



Pillow pack



Pillow bag



Pillow sack

Continuous motion horizontal form-fill and seal machine to flowwrap products with heatsealing material taken from reel.

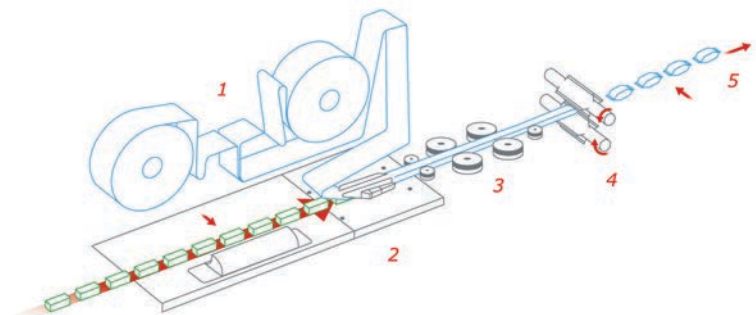


## MACHINE TECHNICAL FEATURES

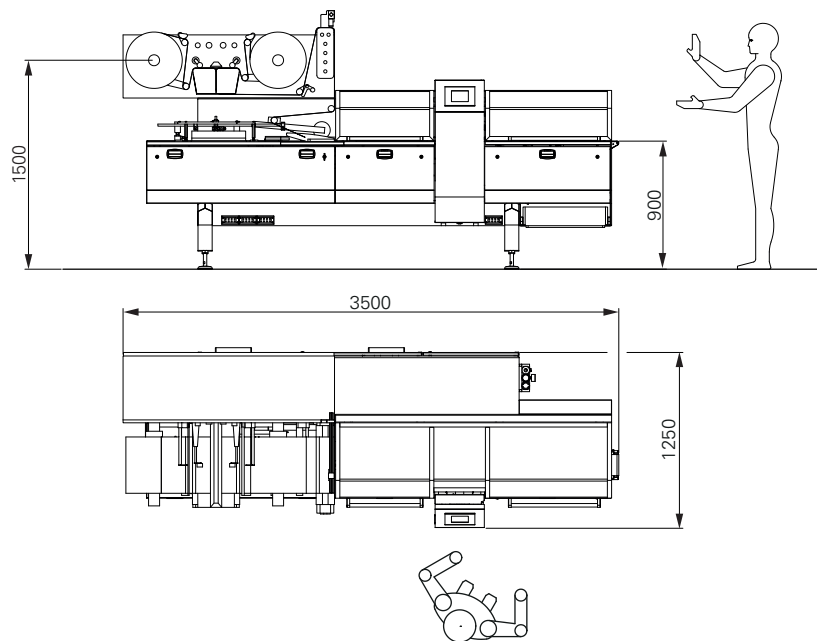
- Cantilevered ergonomic main frame for easy cleaning
- Four brushless servo-motors
- Double reel-holder up to 400mm web width (optional 600mm)
- Self centering film reel holder with pneumatic locking
- Servo driven film unwinder - Automatic splicer
- Rotary crimper
- Longitudinal Fin Sealing Unit composed of 4 sets of wheels
- 6" Touch Screen high-definition control panel
- Integrated electrical cabinet
- Schneider automation

## PROCESS FLOW

1. Reels with automatic splicer
2. Forming box
3. Longitudinal film seal unit
4. Rotary crimper
5. Outfeed belt



## TECHNICAL DATA

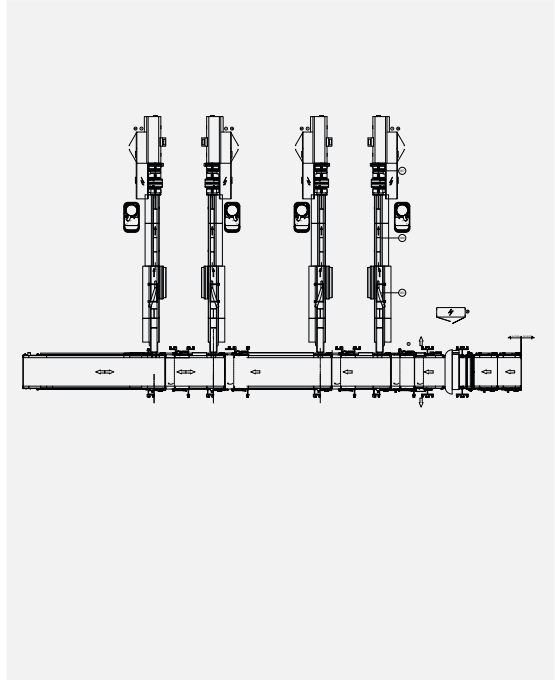


<b>Max speed</b>	Max. production speed	450 ppm
	Max. paper speed.	45 m/min
<b>Wrapping style</b>	Pillow pack - 3 seals	
	Special crimper for product strings with easy tearing between each single pack	
<b>Wrapping material</b>	Polypropylene film (PP-OPP), foil laminations, paper/polyethylene laminations	
<b>Main technical data</b>	Film width Max.	600 mm
	Film thickness	30 - 65 micron
<b>Machine technical features</b>	Installed power	12 kW
	Compressed air	20 NI/1'
	Weight	1800 kg
<b>BF 450 Feeding systems</b>	LCF (Low Contact Feeder), NCF (No Contact Feeder), Wafer side loader pusher, Parallel belt with 90° insertion system, WLCF (Wafer Low Contact Feeder), Slug system, RFW (Rotary Feeder Wafer), Customized solutions	
<b>Optional</b>	Longitudinal Fin Seal Control Unit for precise flap alignment Longdwell crimper specifically designed for the bakery segment Product rejection/detection system on infeed chain Product detection system for empty/double/spleced packages whit rejection on exit belt Rotary gusseting unit Servo driven outfeed conveyor Count and cut function No product no bag function Gas Flushing unit Air suction unit Longitudinal tear strip tape unit Flap closing unit (fold down device) Carton feeder unit Rockwell automation 10" Touch Screen high-definition control panel Allen Bradley Automation	

# DISTRIBUTION SYSTEM

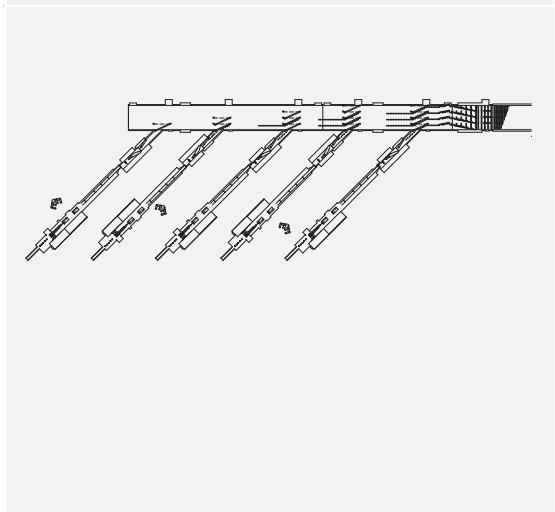
## RDS

- A. Up to 178 rank/min
- B. Main conveyor width available 800-1000-1200 mm
- C. Two configurations available, one for chocolate and one for bakery, both of them could be delivered with different frame execution:
  - 1. Full stainless steel
  - 2. Film coated or painted cover
- D. Buffer belt between the main conveyor and the distribution belt
- E. Exit belt with longitudinal movement to accompaing the product on the distribution belt
- F. Extractable trolley for easy cleaning and maintenance
- G. Schneider/Rockwell automation



## Chicanes

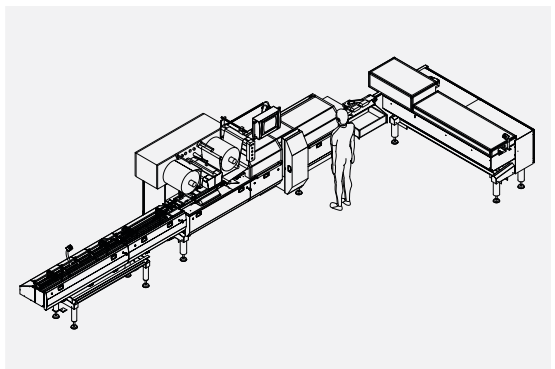
- A. Distribution system with belt and flow deviators followed by an alignment system
- B. Main conveyor width from 400-600-800-1000-1200-1400-1600 mm
- C. Two possible frame executions:
  - 1. Full stainless steel
  - 2. Film coated or painted cover
- D. Schneider/Rockwell automation
- E. Automatic adjustable chicanes system to manage different product's flow for each machine



# MACHINE'S EXTRA

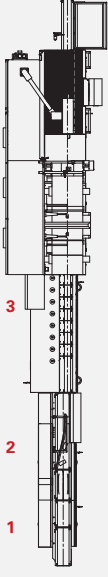
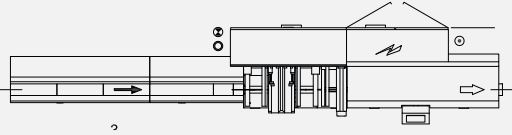
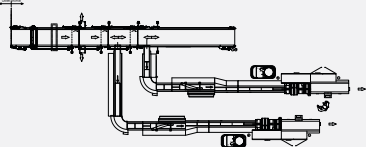
## CROSS SEALING FOLDING AND CLOSING UNIT

Device to close the flowpack cross sealing, with thermal folding





# FEEDING SYSTEM

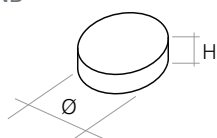
<b>GAP CLOSING MODULE (1)</b>	System to close gaps between ranks arriving in the feeding leg	
<b>BAR TURNING UNIT (2)</b>	Device to turn products from long side leading to short side leading	
<b>NO CONTACT FEEDER (3)</b>	Phasing system to phase products that are coming into the machine without contact between products	
<b>DOUBLE LOW CONTACT FEEDER</b>	Phasing system to accumulate and phase products that are coming into the machine. Designed for bakery products	
<b>LOW CONTACT FEEDER WITH AIR SUCTION</b>	Phasing system to accumulate and phase products that are coming into the machine granting gentle product handling. Designed for chocolate products	
<b>SLUG SYSTEM</b>	Feeding system to collect slugs of biscuits and bring them inside the flow pack machine	
<b>ROBOTIC P&amp;P</b>	Feeding system to pick products with a robotic head and place them directly on the machine chain	

# TECHNICAL DATA

## PRODUCTS SIZES

### PRODUCT

#### ROUND



Ø

MACHINE  
HW 950

mm

MACHINE  
JW 700 - HW 900

mm

MACHINE  
GW 1000

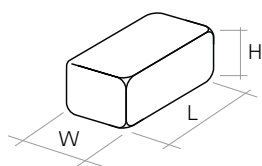
mm

Min 16  
Max 32

Min 12  
Max 28

-

#### SQUARE



L

Min 16  
Max 32

Min 14  
Max 28

Min 15  
Max 40

W

Min 12  
Max 26

Min 12  
Max 26

Min 13  
Max 25

H

Min 7  
Max 18

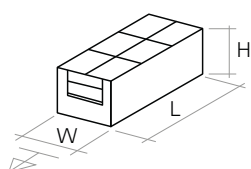
Min 6  
Max 18

Min 6  
Max 18

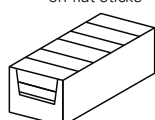
### PRODUCT

#### TRAY

on flat products



on flat sticks



L

Min 100  
Max 235

**With Lid**  
Min 100  
Max 280

**Without Lid**  
Min 80  
Max 280

W

Min 55  
Max 130

**With Lid**  
Min 75  
Max 155

**Without Lid**  
Min 75  
Max 155

H

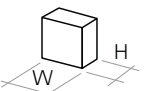
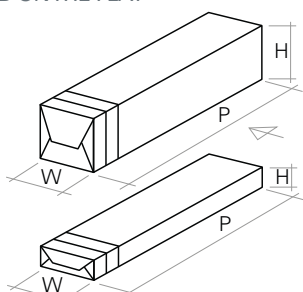
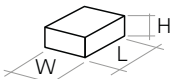
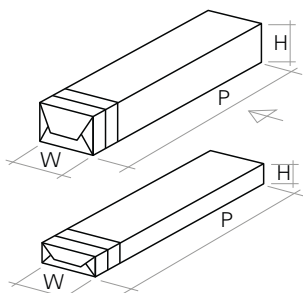
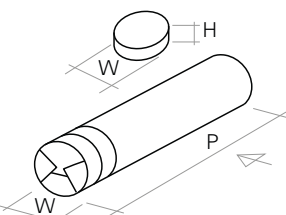
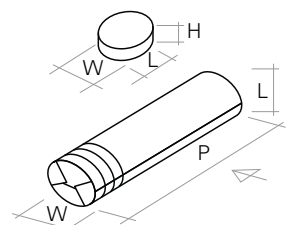
Min 30  
Max 90

**With Lid**  
Min 60  
Max 110

**Without Lid**  
Min 30  
Max 110



## PRODUCT

	MACHINE HS 1000		MACHINE GS 1000	
	mm		mm	
<b>SQUARE</b>				
	<b>H</b>	Min 7 Max 18	Min 6 Max 18	
	<b>W</b>	Min 16 Max 25	Min 15 Max 26	
<b>PACKET SQUARE ON EDGE AND ON THE FLAT</b>				
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 120 - 130	SOAP STYLE END-FOLD Min 40 Max 130
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 125 - 130	SOAP STYLE END-FOLD Min 40 Max 130
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 125 - 130	SOAP STYLE END-FOLD Min 40 Max 130
<b>RECTANGULAR</b>				
	<b>H</b>	Min 7 Max 18	Min 6 Max 18	
	<b>W</b>	Min 12 Max 26	Min 12 Max 26	
	<b>L</b>	Min 16 Max 32	Min 15 Max 32	
<b>PACKET RECTANGULAR ON EDGE AND ON THE FLAT</b>				
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 115 - 130	SOAP STYLE END-FOLD Min 40 Max 130
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 125 - 130	SOAP STYLE END-FOLD Min 40 Max 130
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 125 - 130	SOAP STYLE END-FOLD Min 40 Max 130
<b>PACKET ROUND</b>				
	<b>H</b>	Min 7 Max 18	-	
	<b>W</b>	Min 18 Max 30	-	
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 115 - 130	-
<b>PACKET OVAL</b>				
	<b>H</b>	Min 7 Max 18	-	
	<b>W</b>	Min 12 Max 26	-	
	<b>L</b>	Min 16 Max 32	-	
	<b>P</b>	SOAP STYLE END-FOLD Min 40 Max 130	SOAP STYLE FIN SEAL Min 40 Max 120 - 130	-



# HW 900

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Double Twist

Automatic wrapping machine for preformed products (hard boiled candies) in double twist style.

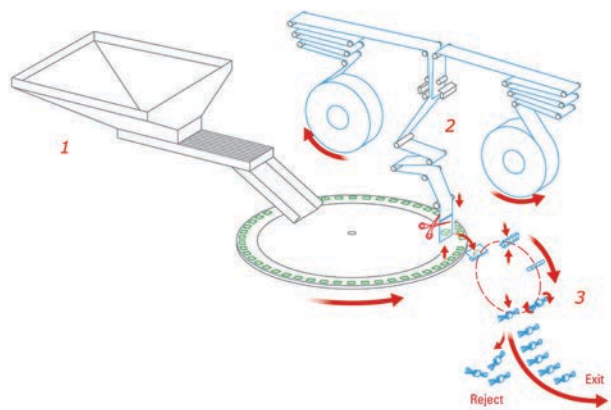


## MACHINE TECHNICAL FEATURES

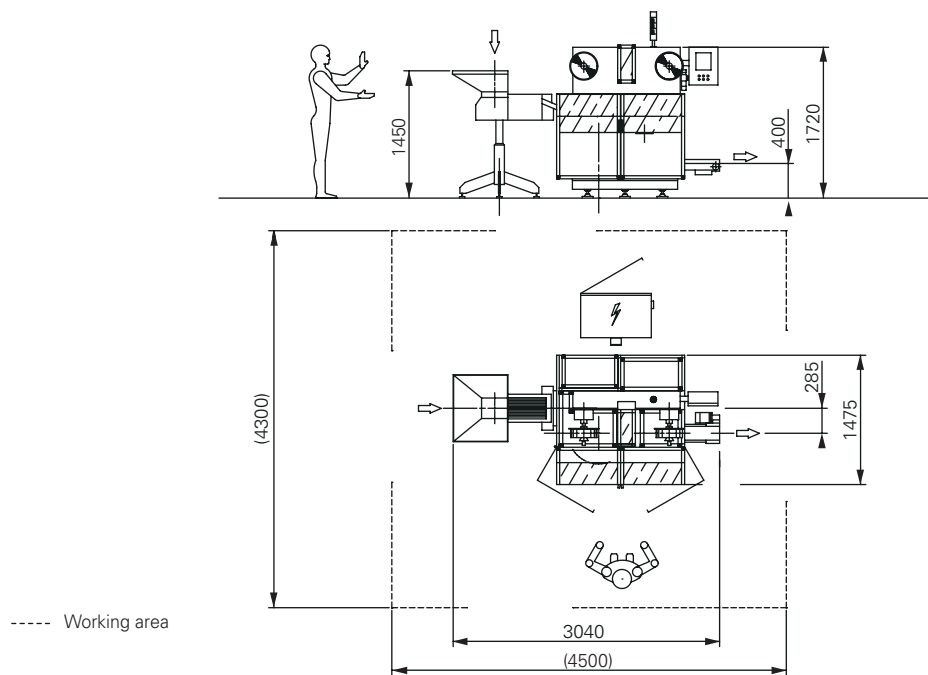
- Innovative disk motion optimizing feeding process
- Wide range of potential wrapping materials thanks to vertical servo driven film unwinding system
- Easily and rapidly removable cutting elements for quick adjustment and periodic maintenance
- Double movable grippers for higher product tolerance
- Paper platform motion in the machine frame for easy adjustment
- Direct and easy access to twisting elements by the machine front side
- Cam driven units movements
- Aluminium casting frame for high precisions and reduced footprint

## PROCESS FLOW

- 1. Infeed unit**  
Removable feeding hopper device  
Vibrating rods sorting double pcs  
Feeding disk sidewise positioned
- 2. Wrapping unit**  
Six stations wheel
- 3. Twisting unit**  
Independent double twist unit



## TECHNICAL DATA



<b>Production speed</b>	950 ppm	
<b>Wrapping style</b>	Double twist	
<b>Wrapping material</b>	Plastic film (PP, PVC), cellophane, wax paper and others	
<b>Reel size</b>	Outer	300 mm
	Inner	70 mm
	Max width	120 mm
<b>Machine technical features</b>	Installed power	5 kW
	Compressed air	20/100 NI/1'
	Weight	1340 kg
	Electrical cabinet weight	180 kg
<b>Optionals</b>	Print centring device Automatic material splicing with reject system Additional double reel holder	



# HW 950

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Bunch



Point end fold

Automatic wrapping machine for preformed products (hard boiled candies, drajée and compressed tablets) in bunch and point end fold style.

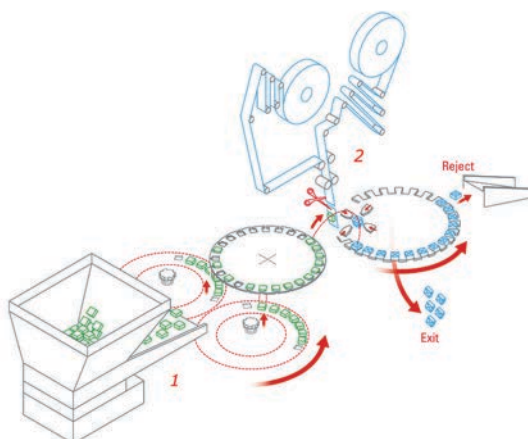


## MACHINE TECHNICAL FEATURES

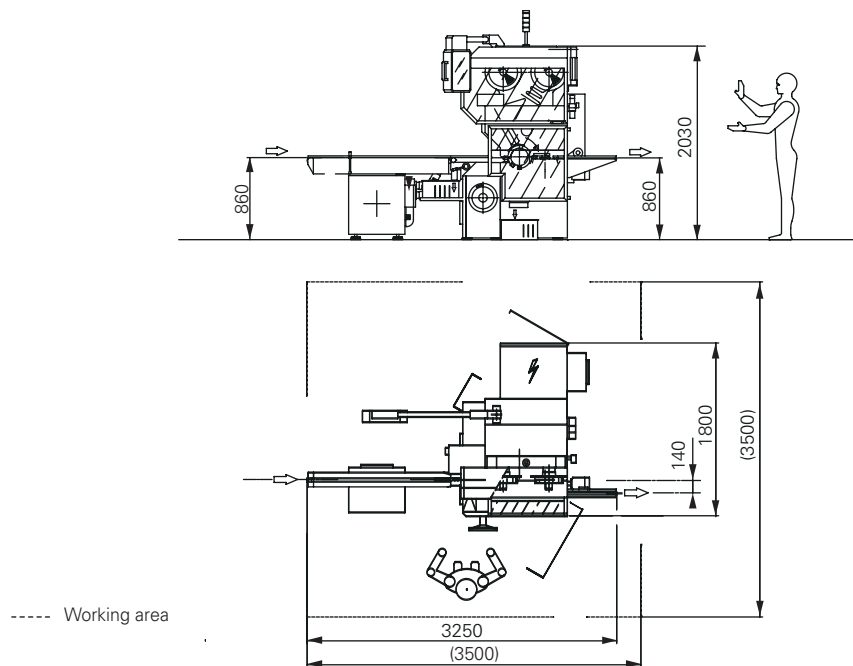
- Product feeding hopper device mounted on pivoting support
- Patented disk feeding system (2+1) for delicate product handling
- 6 stations wrapping wheel
- Double reel carrier for inner wrapping material with automatic splicer
- No product / No wrapping feature
- Possibility to be connected and integrated with ACMA stick packing machine to form stickpacks
- Reject system for defective single products

## PROCESS FLOW

1. Infeed unit
2. Wrapping unit



## TECHNICAL DATA



<b>Production speed</b>	950 ppm	
<b>Wrapping style</b>	Bunch, point end fold	
<b>Wrapping material</b>	Various types of composites or foils, wax paper, alu-paper	
<b>Reel size</b>	Outer	300 mm
	Inner	70 mm
	Max width	100 mm
<b>Machine technical features</b>	Installed power	8 kW
	Compressed air	50 NI/1'
	Weight	2500 kg
	Electrical cabinet weight	520 kg
<b>Optionals</b>	Dedicated product feeding systems Print centring device Heat sealing system for single wrapped products	





# JW 700

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Double Twist

Automatic wrapping machine for preformed products (preformed soft products jellies) in double twist style.

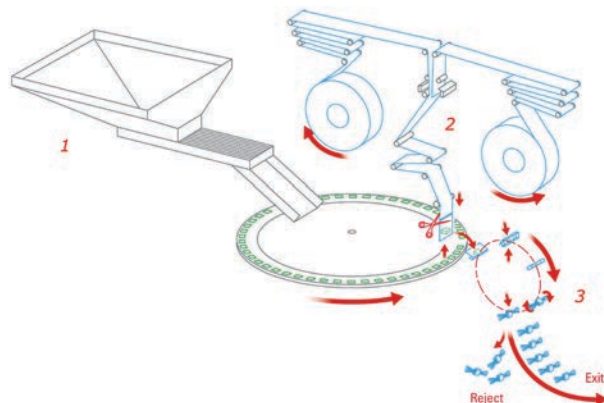


## MACHINE TECHNICAL FEATURES

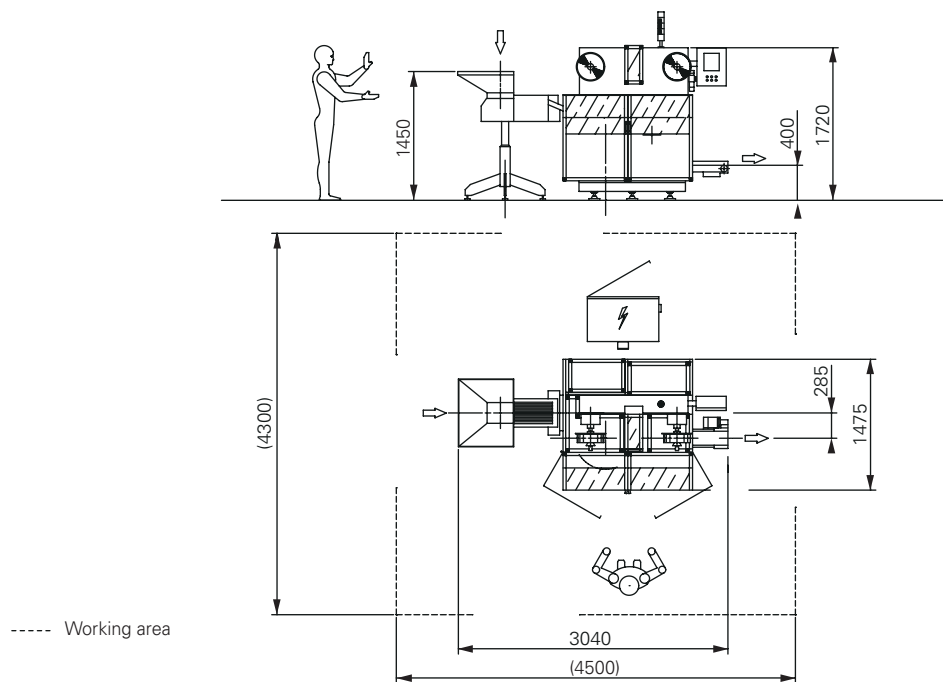
- Innovative disk motion optimizing feeding process
- Wide range of potential wrapping materials thanks to vertical servo driven film unwinding system
- Easily and rapidly removable cutting elements for quick adjustment and periodic maintenance
- Double movable grippers for higher product tolerance
- Paper platform motion in the machine frame for easy adjustment
- Direct and easy access to twisting elements by the machine front side
- Cam driven units movements
- Aluminium casting frame for high precisions and reduced footprint

## PROCESS FLOW

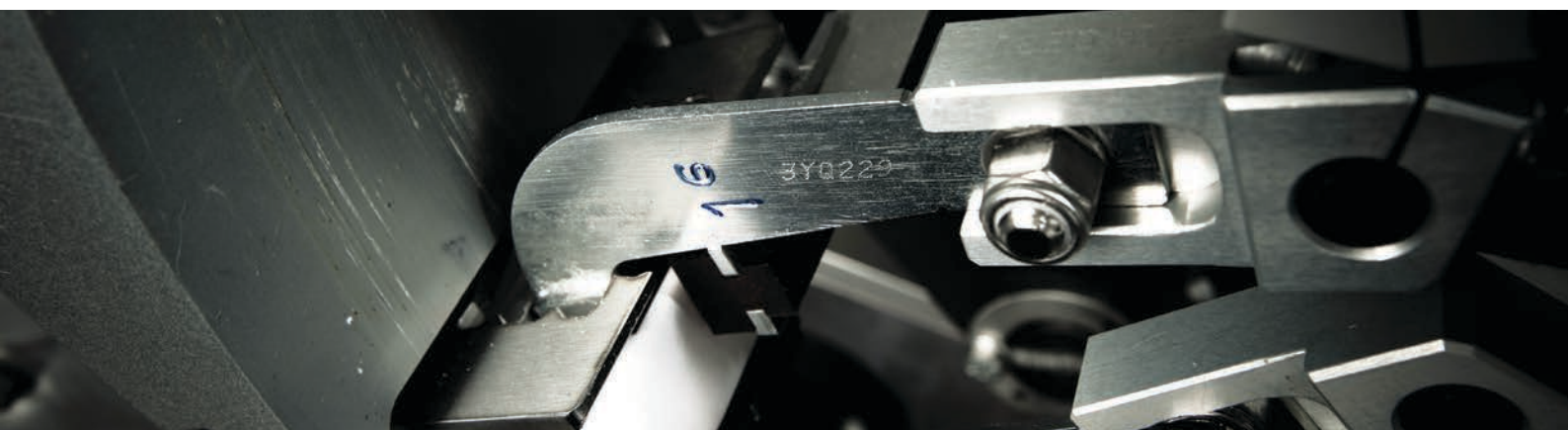
- 1. Infeed unit**  
Removable feeding hopper device  
Vibrating rods sorting double pcs  
Feeding disk sidewise positioned
- 2. Wrapping unit**  
Six stations wheel
- 3. Twisting unit**  
Independent double twist unit



## TECHNICAL DATA



<b>Production speed</b>	700 ppm	
<b>Wrapping style</b>	Double twist	
<b>Wrapping material</b>	Plastic film (PP, PVC), cellophane, wax paper and others	
<b>Reel size</b>	Outer	300 mm
	Inner	70 mm
	Max width	120 mm
<b>Machine technical features</b>	Installed power	5 kW
	Compressed air	20/100 NI/1'
	Weight	1340 kg
	Electrical cabinet weight	180 kg
<b>Optionals</b>	Print centring device	
	Automatic material splicing with reject system	
	Additional double reel holder	



# GW 1000

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Double Twist



Point end Fold

Automatic cut&wrap machine for soft candies (toffees, chews and gums) in double twist and point end fold style.

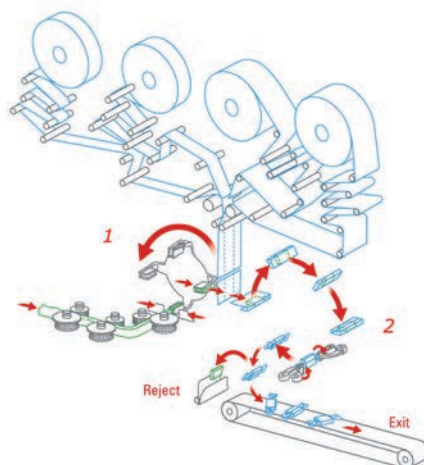


## MACHINE TECHNICAL FEATURES

- In line infeed unit with two pre-sizer wheels
- Scissor's knife cutting on pause
- 6 stations wrapping wheel
- Double reel carrier for wrapping material with automatic splicer
- No product / No wrapping feature
- Direct and easy access to twisting elements by the machine front side

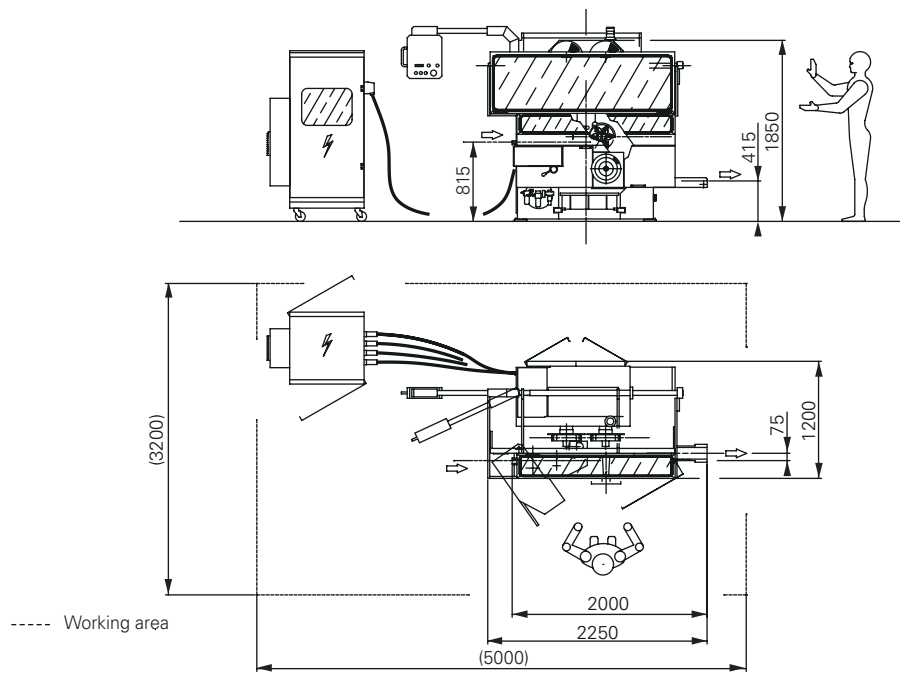
## PROCESS FLOW

1. Infeed unit
2. Wrapping unit



*Double twist*

## TECHNICAL DATA



<b>Production speed</b>	1000 ppm	
<b>Wrapping style</b>	Double twist, point end fold, Bazooka	
<b>Wrapping material</b>	Various types of composites or foils, with or without heat sealing characteristics	
<b>Reel size</b>	Outer	350 mm
	Inner	70 mm
	Max width	100 mm
<b>Machine technical features</b>	Installed power	9 kW
	Compressed air	50 NI/1'
	Weight	2300 kg
	Electrical cabinet weight	450 kg
<b>Optionals</b>	Additional double reel holder for inner wrapping with automatic splicer Longitudinal sealing for double-twist Exit belt for double-twist Double-twist and point end fold style existing on the same machine Reject system for defective single products Stacking group for connection to stickpack machine	





# HS 1000

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Stick

Automatic single wrapping and stick packing machine for preformed products (hard boiled candies).

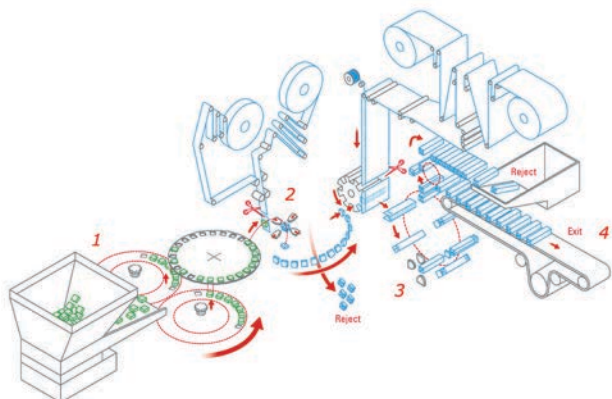


## MACHINE TECHNICAL FEATURES

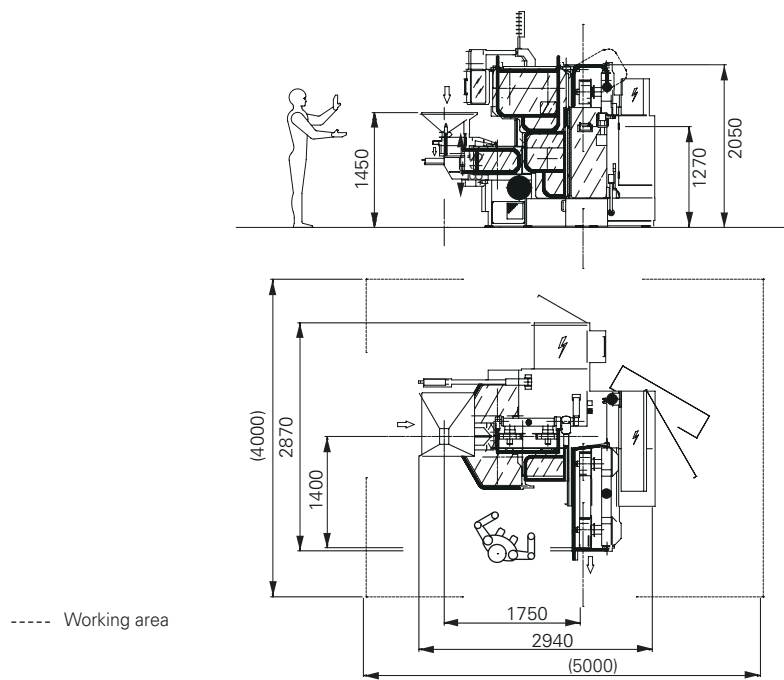
- Product feeding hopper device mounted on pivoting support
- Patented disk feeding system (2+1) for delicate product handling
- Single product wrapping unit with 6 stations wrapping wheel
- No product/No wrapping feature
- Double reel carrier for inner wrapping material with automatic splicer
- Reject system for defective single products
- Stickpack unit with 8 stations wrapping wheel
- Double reel carrier for stick wrapping material with automatic splicer
- Reject system for defective stickpack

## PROCESS FLOW

1. Infeed unit
2. Single product wrapping unit
3. Stickpack unit
4. Exit unit



## TECHNICAL DATA



<b>Production speed</b>	1000 ppm	
<b>Wrapping style</b>	Single wrap: point end fold style Stickpack: point end fold style, "soap style"; Fin Seal version available	
<b>Wrapping material</b>	Single wrap: Cellophane, Wax paper, Polypropylene, Alu-paper Stickpack: various types of composites or foils with heat sealing	
<b>Reel size (single product)</b>	Outer	300 mm
	Inner	70 mm
	Max width	100 mm
<b>Reel size (stick)</b>	Outer	300 mm
	Inner	70 mm
	Max width	170 mm
<b>Machine technical features</b>	Installed power	15 kW
	Compressed air	100 NI/1'
	Weight	4800 kg
	Electrical cabinet weight	450 kg
<b>Optionals</b>	Print centring device Teartape device De-touchable feeding hopper Heat sealing system for single wrapped products Product coding system	

# GS 1000

## TECHNOLOGY



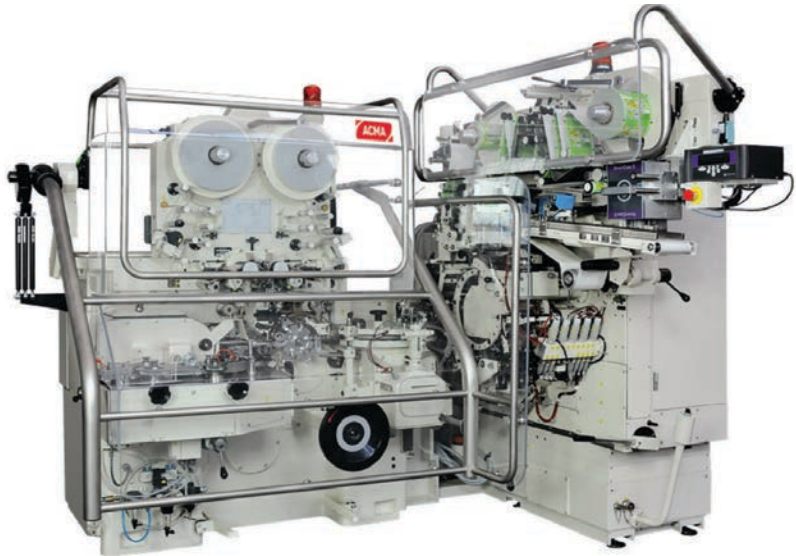
*Fold wrapping*

## PACK TYPE



Stick

Automatic cut&wrap and stickpack machine for soft candies (toffees, chews and gums).

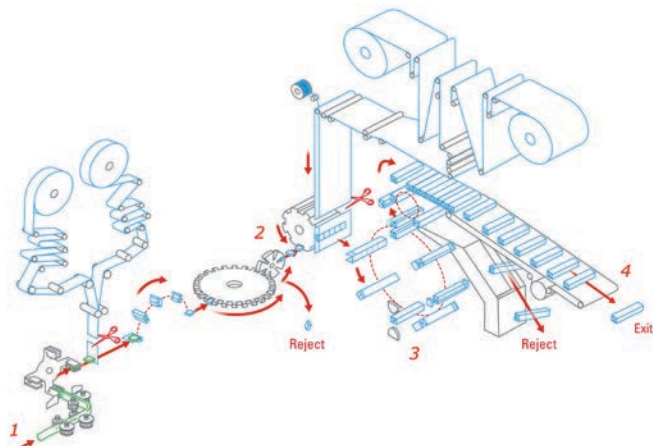


## MACHINE TECHNICAL FEATURES

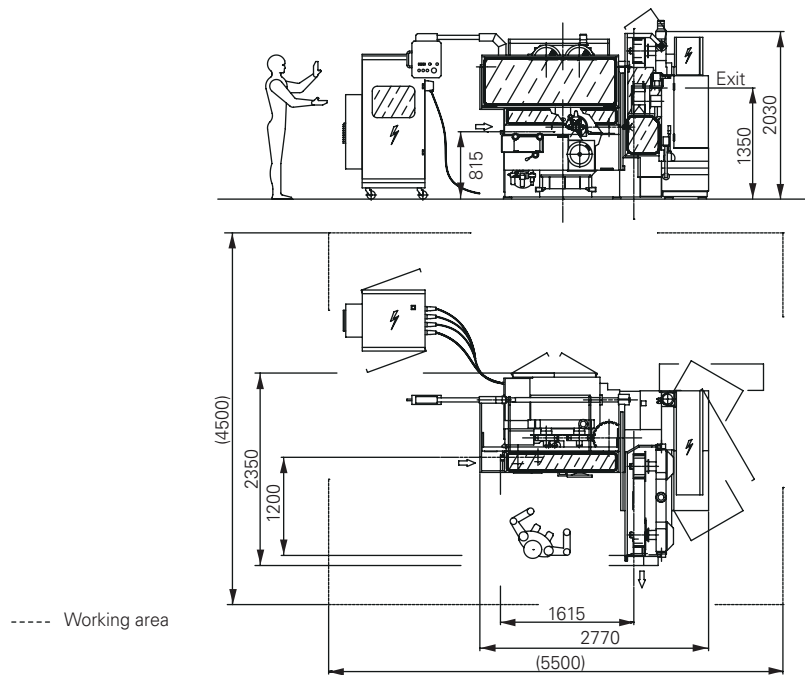
- In line infeed unit with two presizer wheels
- Scissor's knife cutting on pause
- Single product wrapping unit with 6 stations wrapping wheel
- Double reel carrier for inner wrapping material with automatic splicer
- No product / No wrapping feature
- Reject system for defective single products
- Stickpack unit with 8 stations wrapping wheel
- Double reel carrier for stick wrapping material with automatic splicer
- Reject system for defective stickpack

## PROCESS FLOW

1. Infeed unit
2. Single product wrapping unit
3. Stickpack unit
4. Exit unit



## TECHNICAL DATA



<b>Production speed</b>	1000 ppm	
<b>Wrapping style</b>	Single wrap: point end fold style Stickpack: point end fold style, "soap style"; Fin Seal version available	
<b>Wrapping material</b>	Single wrap: Cellophane, Wax paper, Polypropylene, Alu-paper Stickpack: various types of composites or foils with heat sealing	
<b>Reel size (single product)</b>	Outer	300 mm
	Inner	70 mm
	Max width	100 mm
<b>Reel size (stick)</b>	Outer	300 mm
	Inner	70 mm
	Max width	170 mm
<b>Machine technical features</b>	Installed power	15 kW
	Compressed air	50 NI/1'
	Weight	5000 kg
	Electrical cabinet weight	440 kg
<b>Optionals</b>	Print centring device Teartape device Automatic speed adjustment Product coding system	



# HT 40

## TECHNOLOGY



Tray & Sleeve packing

## PACK TYPE



Display Box

Automatic tray forming and filling machine.

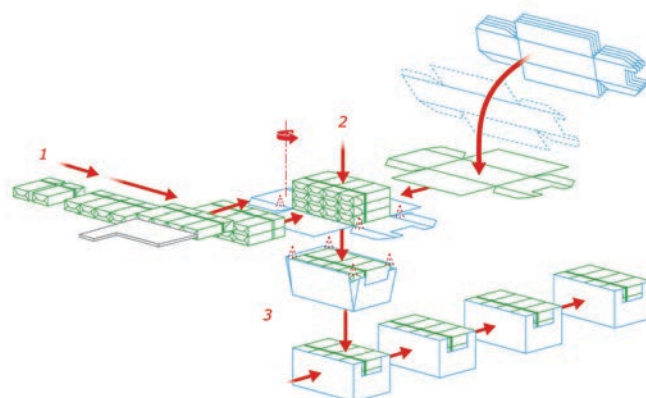


## MACHINE TECHNICAL FEATURES

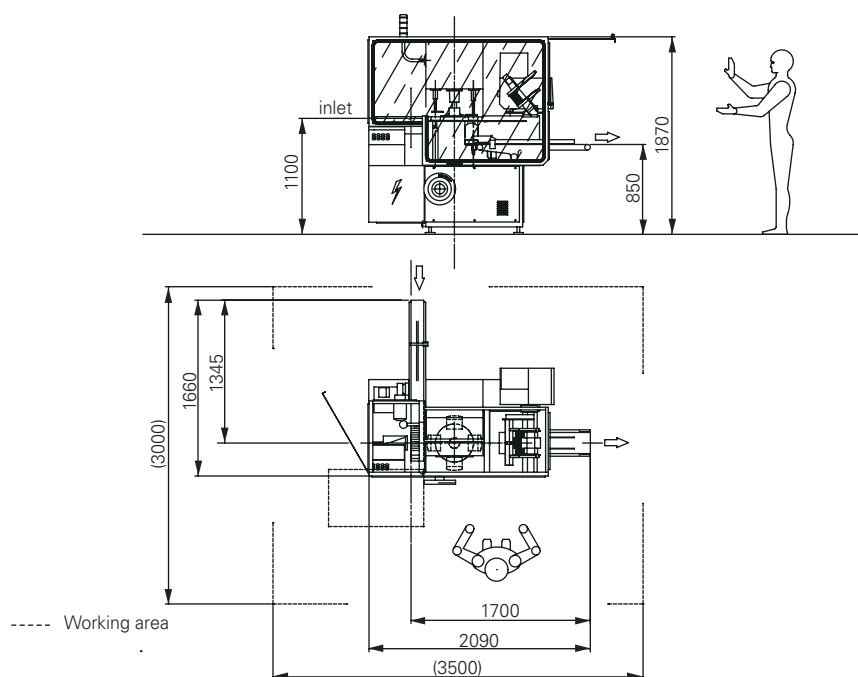
- Infeed belt for products and sticks with rectangular or square section
- Single or double lane infeed
- Product divider in Forming & Filling unit
- Bundle configuration
- Hopper for trays loading and transfer system of the trays in correspondence of the turret for tray loading and forming
- Tray forming turret with 2/4 stations to introduce the bundle into the carton blank
- Hot melt device for tray closing
- Product outfeed conveyor

## PROCESS FLOW

1. Infeed unit
2. Forming & Filling unit
3. Closing unit



## TECHNICAL DATA



<b>Production speed</b>	u.d.m. 40/min (trays), u.d.m. 80/min (layers)	
<b>Packaging style</b>	Display box with or without lid	
<b>Packaging material</b>	Flat or corrugated carton	
<b>Products</b>	Cartons, packets with oval or rectangular section and similar ones	
<b>Machine technical features</b>	Installed power (hot-melt excluded)	2,5 kW
	Compressed air	30 NI/1'
	Weight (electrical cabinet included)	1900 kg
<b>Optionals</b>	Feeding system for round products	



# HT 50

## TECHNOLOGY



Tray & Sleeve packing

## PACK TYPE



Display Box

Automatic tray forming and filling machine.

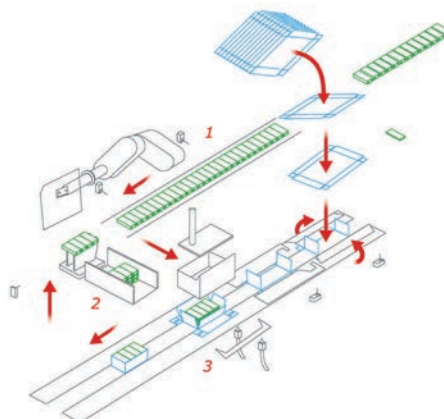


## MACHINE TECHNICAL FEATURES

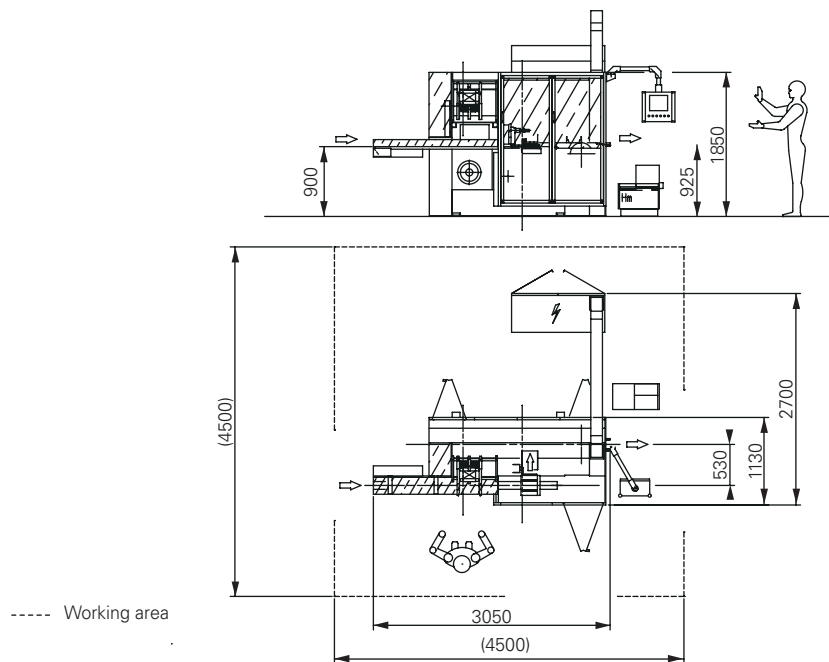
- In line infeed system for single or double lanes
- Blanks pick-up system from carton magazine with mechanic arm with suction cup
- Tray formation around a forming die thus ensuring correct positioning and gentle handling of delicate products
- Products transfer into the tray forming die by means of an independently driven pusher
- Movements driven by servo motors
- Rapid size change over
- Possibility of forming display trays with top cover

## PROCESS FLOW

1. Infeed unit
2. Forming unit
3. Closing unit



## TECHNICAL DATA



<b>Production speed</b>	u.d.m 50/min (trays), u.d.m 120/min (layers)	
<b>Packaging style</b>	Display box with or without lid	
<b>Packaging material</b>	Flat or corrugated carton	
<b>Products</b>	Cartons, packets with oval or rectangular section and similar ones	
<b>Machine technical features</b>	Installed power (hot-melt excluded)	5 kW
	Compressed air	30 NI/1'
	Weight	2800 kg
	Electrical cabinet	330 kg
<b>Optionals</b>	Feeding system for round products	
	Hot Melt lid closing system	





# HC 450

## TECHNOLOGY



Cartoning & Box filling

## PACK TYPE



Zip Top



Flip Top

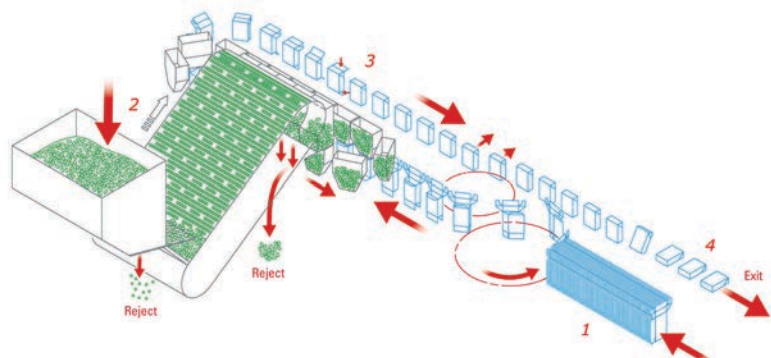


## MACHINE TECHNICAL FEATURES

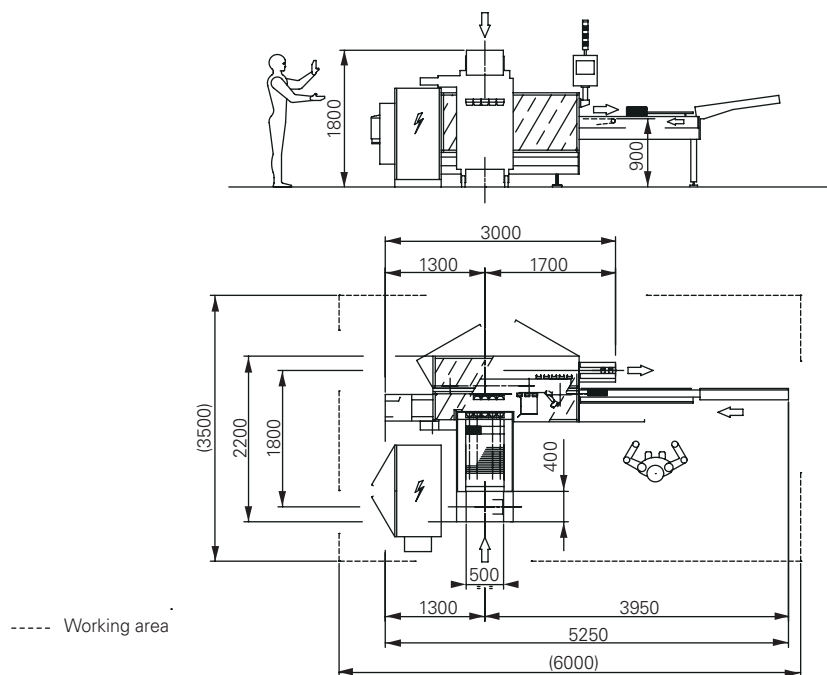
- Pre-glued cartons magazine
- Cartons extraction system by means of a six arms rotating turret
- Magazine length 1.6 meters - approx. 1200 cartons
- Independent counting unit fit on wheels for easy cleaning and access
- 84 counting bars with 5 or 8 channels
- Independent brushless motorization
- Easy removable plastic slats
- Carton vibrating group
- Carton presence check, carton opening control and carton reject
- Cartons belt outfeed in a single row and on flat

## PROCESS FLOW

1. Carton infeed unit
2. Product counting unit
3. Filling & Closing unit
4. Exit unit



## TECHNICAL DATA



<b>Production speed</b>	Up to 450 ppm (FT401)	
<b>Packaging style</b>	Flip Top, Shaker box, Zip Top, 4 sides	
<b>Packaging material</b>	Pre-glued cartons	
<b>Products</b>	Cartons, packets with oval or rectangular section and similar ones	
<b>Machine technical features</b>	Installed power	3,5 kW
	Compressed air	50 NI/1'
	Weight	1600 kg
	Electrical cabinet weight	300 kg
<b>Optionals</b>	Coding unit	
	Carton magazine extension	
	Provision for scales connection	



# HO 300

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Overwrapper

Automatic high speed overwrapping machine to wrap boxes, stickpacks and parallelepiped products.

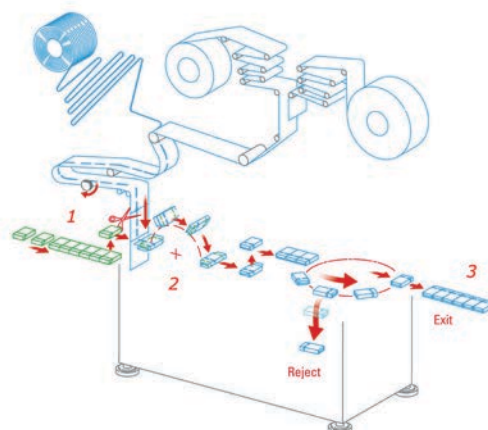


## MACHINE TECHNICAL FEATURES

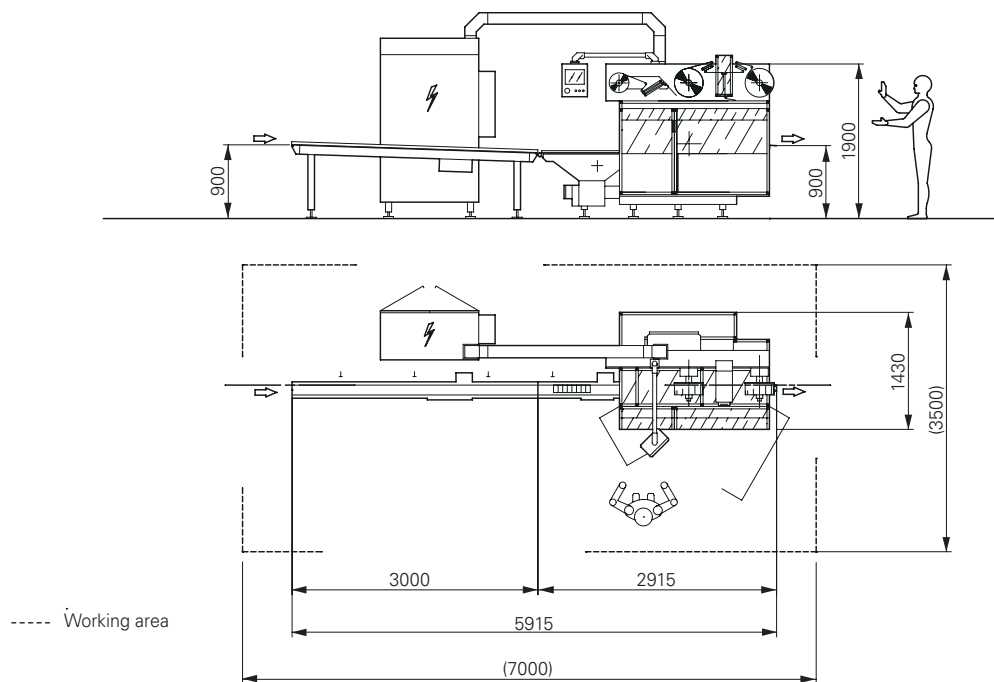
- Product accumulation, lifting and pushing with safety feeding control
- Pushing arm with overload clutch
- Single or multipack capability
- Servo driven unwinding system with patented air blow film guiding
- Longitudinal folding arm
- Six stations wrapping head
- Tear tape motorization for Jumbo reels
- Electronic controls of axial film position, tear tape presence and position, print centering and reel joints
- In line outfeed with reject capability

## PROCESS FLOW

1. Infeed unit
2. Wrapping unit
3. Exit unit



## TECHNICAL DATA



<b>Production speed</b>	300/min	
<b>Packaging style</b>	X-fold style; Fin Seal version available (hermetic)	
<b>Packaging material</b>	Heatsealing materials (PP, PVC, Cellophane etc.)	
<b>Products</b>	Cartons, packets with oval or rectangular section and similar ones	
<b>Machine technical features</b>	Installed power	5 kW
	Compressed air	20 NI/1'
	Weight	1700 kg
	Electrical cabinet weight	400kg
<b>Reel size</b>	Outer	300
	Inner	70
	Max width	105
<b>Optionals</b>	Double reel holder with tape splicing device	
	Print centring device	
	Infeed unit available in two version: 'in line' or '90°'	





# HO 500

## TECHNOLOGY



*Fold wrapping*

## PACK TYPE



Overwrapper

Automatic high speed overwrapping machine to wrap boxes, stickpacks and parallelepiped products.

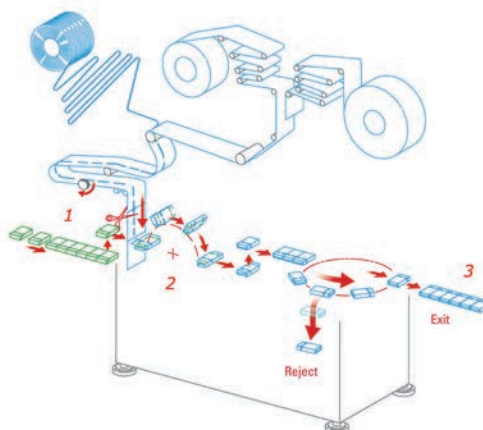


## MACHINE TECHNICAL FEATURES

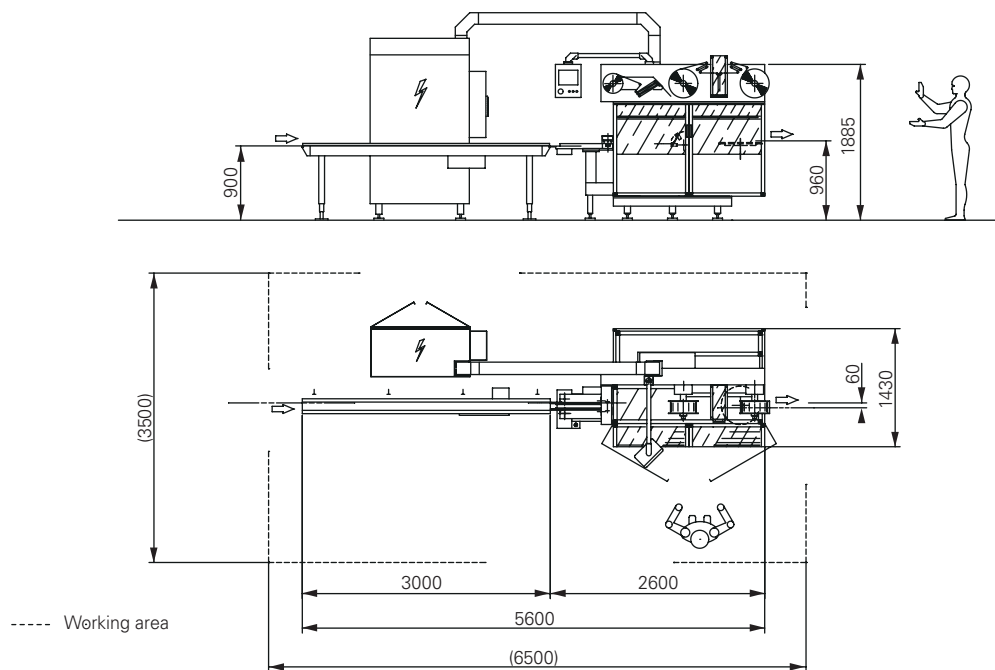
- In line infeed system with side belts to time product into the machine
- Electronic control of the feeding speed by brushless motor
- Servo driven unwinding system with patented air blow film guiding
- Longitudinal folding arm
- Six station wrapping head with vacuum facility improving wrap adhesion
- Tear tape application taken from Jumbo reel
- Electronic controls of axial film position, tear tape presence and position, print centering and reel joints
- Multiple head sealing stations
- Disk outfeed with reject capability

## PROCESS FLOW

1. Infeed unit
2. Wrapping unit
3. Exit unit



## TECHNICAL DATA



<b>Production speed</b>	500 pcs/min	
<b>Packaging style</b>	X-fold	
<b>Packaging material</b>	Heatsealing materials (PP, PVC, Cellophane etc.)	
<b>Products</b>	Cartons, packets with oval or rectangular section and similar ones	
<b>Machine technical features</b>	Installed power	5,5 kW
	Compressed air	20 NI/1'
	Weight	1840 kg
	Electrical cabinet weight	400 kg
<b>Reel size</b>	Outer	300
	Inner	70
	Max width	105
<b>Optionals</b>	Destacking device	
	Print centring device	
	Integrated compact 90 degree turning device at machine exit	



# CUSTOMER SERVICE



## PARTS AND MATERIALS

Maintain your equipment in perfect conditions through certified new or refurbished original OEM components

- Spare parts
- Repairs

## MAINTENANCE SERVICE

Minimize your equipment downtime by leveraging on our Maintenance Services portfolio

- Troubleshooting
- Technical Services
- Machinery relocation & decommissioning
- Backups

## EQUIPMENT MODERNIZATION

Extend lifetime, improve performance and enhance functionalities of your equipment

- Kit & Upgrades
- Size Changes
- Rebuilding & Refurbishment
- Control System Replacement





---

#### **TRAINING & DOCUMENTATION**

Our knowledge at disposal for our customers

- **Training**
- **Technical Services**
- **Machinery relocation & decommissioning**



---

#### **EXPERT SOLUTIONS**

Create additional value from your equipment

- **Setting Optimization**



---

#### **PRODUCTION SUPPORT SERVICES**

Maximize the value of your equipment by running it in best possible conditions.

- **Maintenance**
- **Production Assistance**
- **Remote Assistance**
- **Machine Audit**

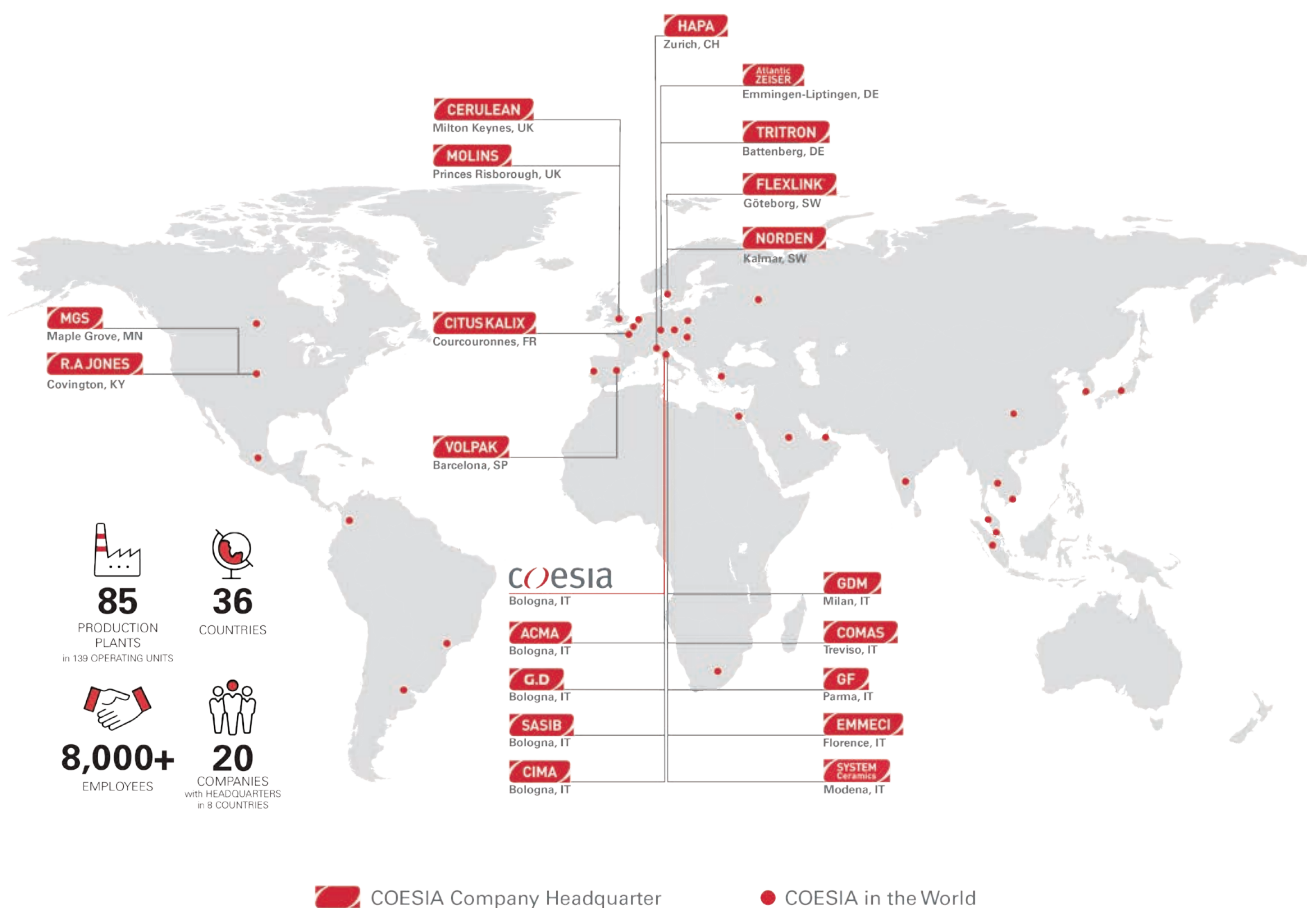


## NOTE

[illegible]



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



# coesia

coesia companies

ACMA - ATLANTIC ZEISER - CERULEAN - CIMA - CITUS KALIX - COMAS  
EMMECI - FLEXLINK - G.D - GDM - GF - HAPA - IPI - MGS - MOLLINS  
NORDEN - R.A JONES - SASIB - SYSTEM CERAMICS - TRITRON - VOLPAK

coesia.com

Coesia is a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.

Coesia's companies are leaders in the sectors of:

- **Advanced automated machinery and packaging materials**
- **Industrial process solutions**
- **Precision gears**

Coesia customers are leading players in a broad range of industries, including Aerospace, Ceramics, Consumer Goods, Electronics, Healthcare, Luxury Goods, Pharmaceutical, Recing & Automotive and Tobacco.



www.acma.it

ACMA S.p.a.  
Via C. Colombo, 1  
40131 Bologna - Italy  
T (+39) 051 634 9111  
PEC. acmaspa@legalmail.it  
info@acma.it