



# IN- PACK MACHINERY

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## PRODUCT CATALOGUE



CHI SIAMO

# IN. PACK MACHINERY

Innovation since 1956

## ABOUT US

**Our three brands Amutec, Mober and SCAE completely cover the wide range of bags packaging currently produced on the market.**

The **In.Pack Machinery group**'s story goes back to **1956**. It was born out of a group of entrepreneurs' passion and desire to find the best solutions for their clients. Our group's name reflects our constant and continuous drive towards technological and product innovation which matches the constant **evolution of materials** (bio-compostable, recycled and mono-materials).







## SOLUTIONS FOR THE FUTURE

We manufacture innovative and highly technological machinery to offer our customers the possibility to produce any type of bag and pouch with ecological and sustainable materials.



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## WHY CHOOSE US FOR YOUR PROJECT?

- Wide range of bag-making machines and equipment from one single Partner to cover most of the market requests. Flexible bag-making machine and flexible equipment since 1956.
- Worldwide assistance and technical service. Industry 4.0 smart features such as remote real-time monitoring capabilities, machine diagnostic and notifications.
- Continuous innovation to allow converters to run recycle ready film and biofilm efficiently and maintain production speed (while the converting industry is challenged by the new recycle ready structures, our Company has been running PE structures for decades)







Your special product? We may have a solution for bringing your idea to life! You are always welcome to contact our Sales Department for more informations.

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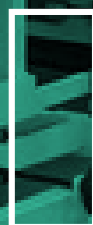
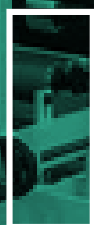
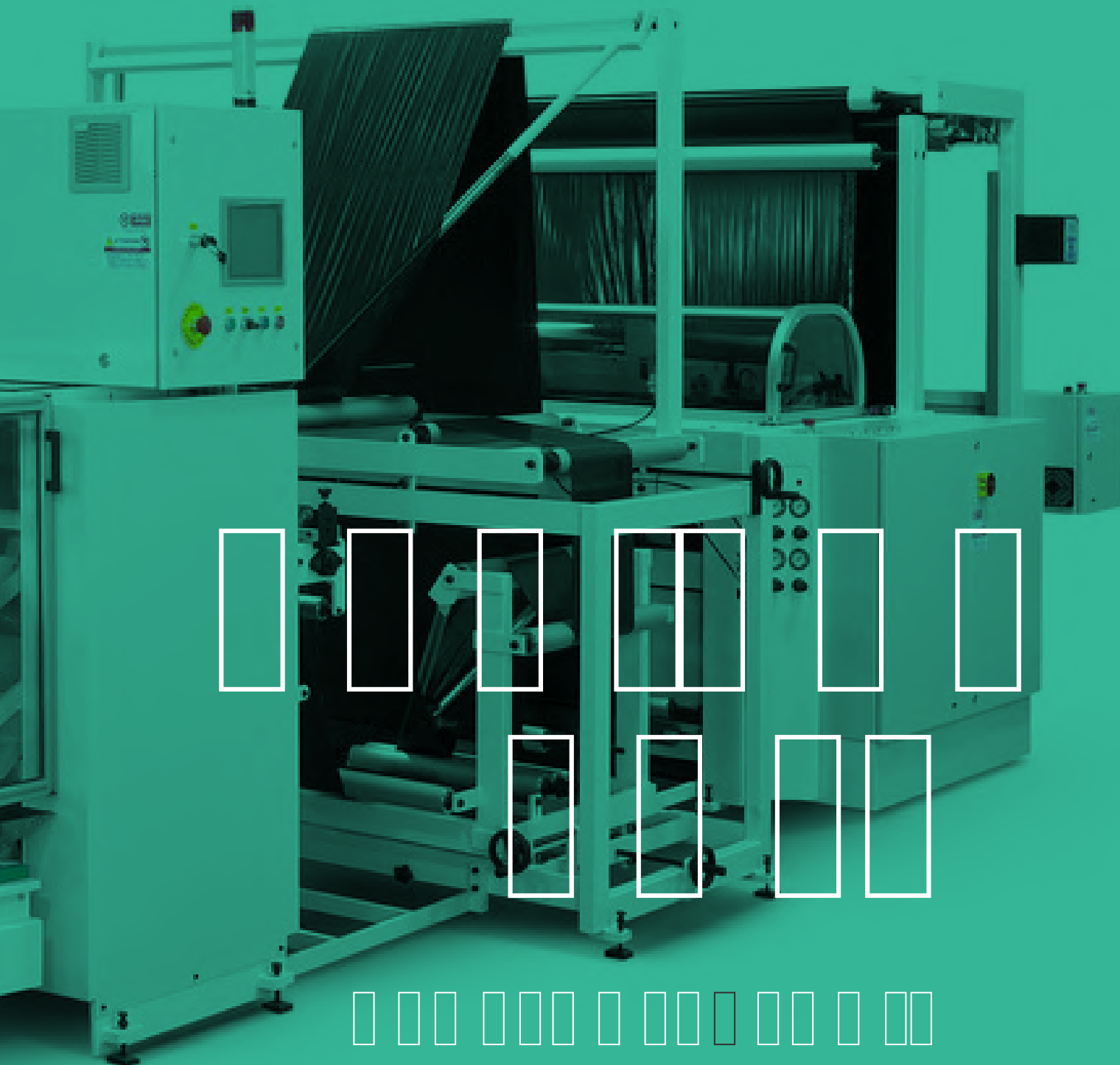
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# TSA-SHA 840/1240

## MACHINES FOR PRODUCE

- 'non-stop' automatic rewinder
- Production of bags with handle (Shopping bag type)
- Bottom or round bottom seal (Star seal bottom bag type)
- Wrapped on cardboard core

Automatic high speed welding machine for the production of bags with handles (shopping bags) with 3/4 lanes from a large reel that can be divided into various lanes with the aid of cutting/sealing blades, blown and die-cut with scrap removal by means of a suction system to be wound onto plastic or cardboard cores on fully automatic continuous cycle including the insertion of the cores taken from a large capacity hop-

per which allows an autonomy of up to 40 changes without operator intervention. Automatic unloading of finished reels onto a collection table or conveyor belt. The machine can also be equipped with a unit with single folding triangles and reversing bars for the production of star seal bags as well as with a bottom sealing bar to be used for the production of handle-less bags, both flat and gusseted.



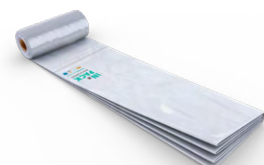
R2 - C



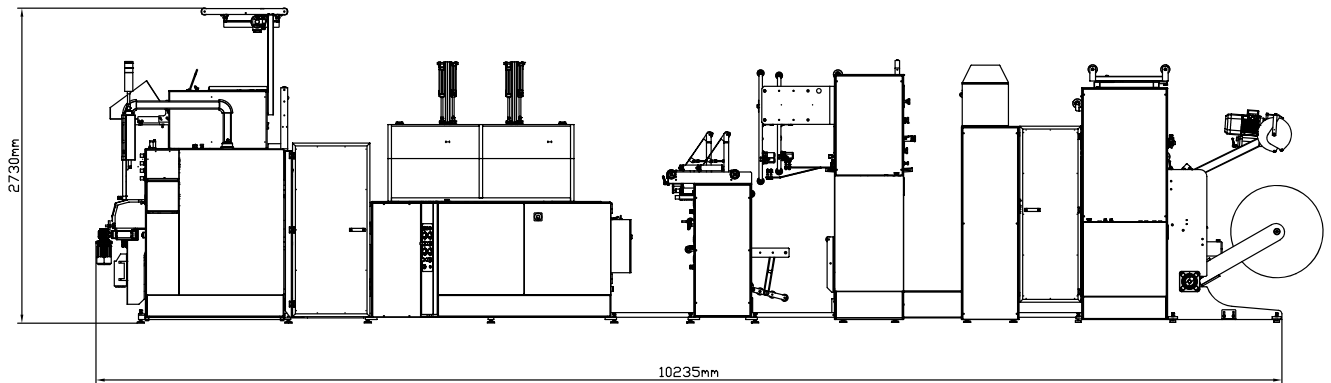
R6 - C



R8 - C



R9 - C

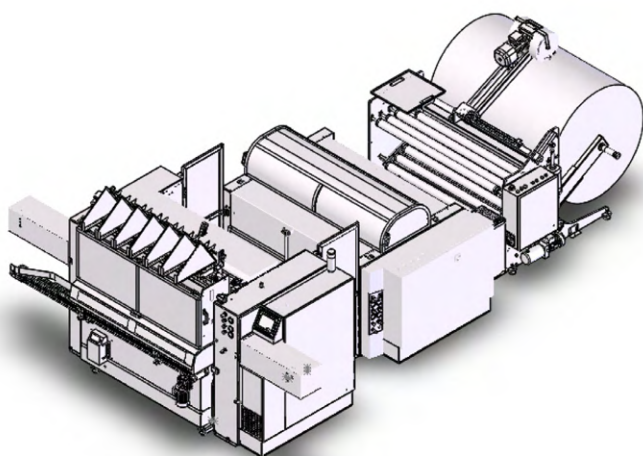


| Technical Characteristics         | Format 1240    | Format 1640    |
|-----------------------------------|----------------|----------------|
| Master reel width                 | 1200 mm        | 1640 mm        |
| Number of tracks                  | 2/3            | 3/4            |
| Minimum material thickness        | 2x6 $\mu$      | 2x6 $\mu$      |
| Maximum material thickness        | 4x30 $\mu$     | 4x30 $\mu$     |
| Minimum length                    | 50 mm          | 50 mm          |
| Maximum length                    | unlimited      | unlimited      |
| Maximum speed (m. / min)          | 150 (m. / min) | 150 (m. / min) |
| Maximum speed (cycles / min)      | 300            | 300            |
| Cardboard / plastic core diameter | 30 standard    | 30 standard    |
| Maximum roll diameter             | 240 mm         | 240 mm         |



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# TSA-CA-P 1240/1440

## MACHINES FOR PRODUCE

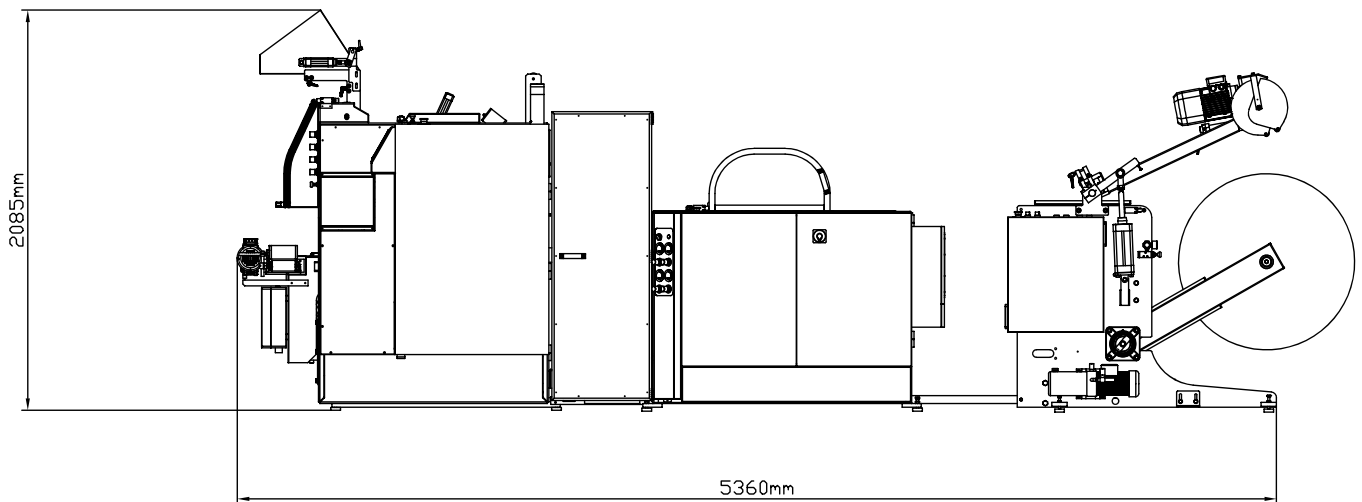
- 'non-stop' automatic rewinder
- Production of bottom seal and pre-cut bags
- Wrapped on cardboard or plastic cores

High speed automatic sealing machine (up to 350 cycles/min) for the production of small and medium sized bags starts from large sized reels wrapped on plastic or cardboard cores that can be divided into various lanes (up to 8) with the aid of cutter/sealer blades. Its fully automatic 'non stop' cycle includes the cores taken from a large capacity hopper which allows an autonomy of up to 40 changes without any

operator intervention as well as the automatic unloading of the finished reels onto a special collection table or conveyor belt.

The machine can also be equipped with a multi-stage balloon filler for the production of gusseted bags and with a unit with single-folding triangles and reversing bars for the production of star seal bags.

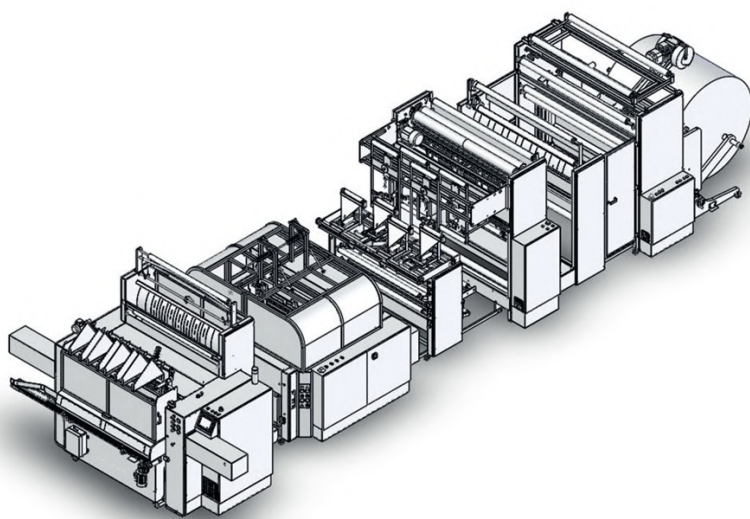




| Technical Characteristics    | Format 1240    | Format 1380    | Format 1440    |
|------------------------------|----------------|----------------|----------------|
| Master reel width            | 1200 mm        | 1300 mm        | 1400 mm        |
| Maximum number of tracks     | 7              | 7              | 8              |
| Minimum material thickness   | 2x6 $\mu$      | 2x6 $\mu$      | 2x6 $\mu$      |
| Maximum material thickness   | 2x50 $\mu$     | 2x50 $\mu$     | 2x50 $\mu$     |
| Minimum length               | 100 mm         | 100 mm         | 100 mm         |
| Maximum length               | 20.000 mm      | 20.000 mm      | 20.000 mm      |
| Maximum speed material       | 150 (m. / min) | 150 (m. / min) | 150 (m. / min) |
| Maximum cadence              | 350            | 350            | 350            |
| Maximum roll diameter finiti | 240 mm         | 240 mm         | 240 mm         |

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# TSA-D-CA-P 1340

## MACHINES FOR PRODUCE

- Modular machine
- 550 strokes per minute
- Up to 8 lanes for flat or gusseted bags
- Wrapped on cardboard or plastic core

High speed automatic sealing machine (up to 550 cycles/min) for the production of small and medium sized bags starts from large sized reels wrapped on plastic or cardboard cores that can be divided into various lanes (up to 8) with the aid of cutter/sealer blades. Its fully automatic 'non stop' cycle includes the cores taken from a large capacity hopper which allows an autonomy of up to 60 changes without any

operator intervention as well as the automatic unloading of the finished reels onto a special collection table or conveyor belt.

The machine can also be equipped with a multi-stage balloon filler for the production of gusseted bags and with a unit with single-folding triangles and reversing bars for the production of star seal bags.



R8 - C

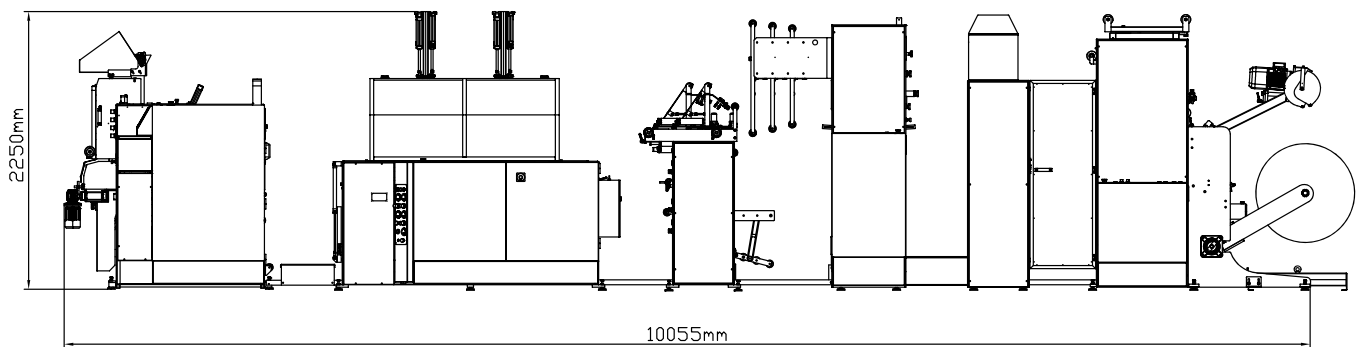


R9 - C



R6 - C





| Technical Characteristics  | Format 1340      |
|----------------------------|------------------|
| Master reel width          | 1840 mm          |
| Number of tracks           | Max 8            |
| Minimum material thickness | 2x6 $\mu$        |
| Maximum material thickness | 2x50 $\mu$       |
| Minimum length             | 100 mm           |
| Maximum length             | unlimited        |
| Maximum speed (m /min)     | 180 (m / min)    |
| Maximum speed (cicli /min) | 550 (cycles/min) |
| Maximum roll diameter      | 240 mm           |

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# Roller SHP 110 2M Auto

## MACHINES FOR PRODUCE

- Electronic roller sealer
- Special anti-stretch film handling system
- Film and raffia blocking system patented by Mober
- Exclusive patented system for automatic correction of the tension of each track

### Version – AUT 2M:

Line for the production of Open Mouth bags on up to 5 lanes (Roller 110/130); welding cutter device is adjustable in width. Automatic wrapping unit with 2 stations with expandable mandrels for continuous film wrapping with flying grip.

- Carton loading on expandable mandrel carried out Automatically
- Warehouse with spare expandable mandrels
- Automatic device for film tearing at the end of the roll and insertion on cardboard core

### Version – SHP:

Device for the production of Shopping bags on up to 4 lanes; exclusive patented system for automatic correction of the tension of each single lane; patented system for die-cutting the handles with through-cut.

### Version – ECO 2M:

Line for the production of Open Mouth bags on up to 5 lanes (Roller 110) or up to 8 lanes (Roller 130);

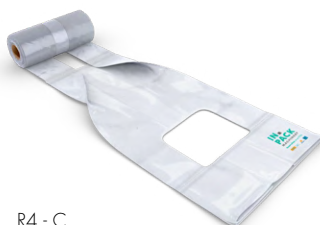
Adjustable width cutter device

Semi-automatic winding unit with two stations suitable for the formation of reels with a diameter of max. 200 mm

- Cardboard loading on expandable mandrel carried out manually by the operator
- Spare expandable mandrel collection table
- Automatic device for film tearing at the end of roll and insertion on cardboard core



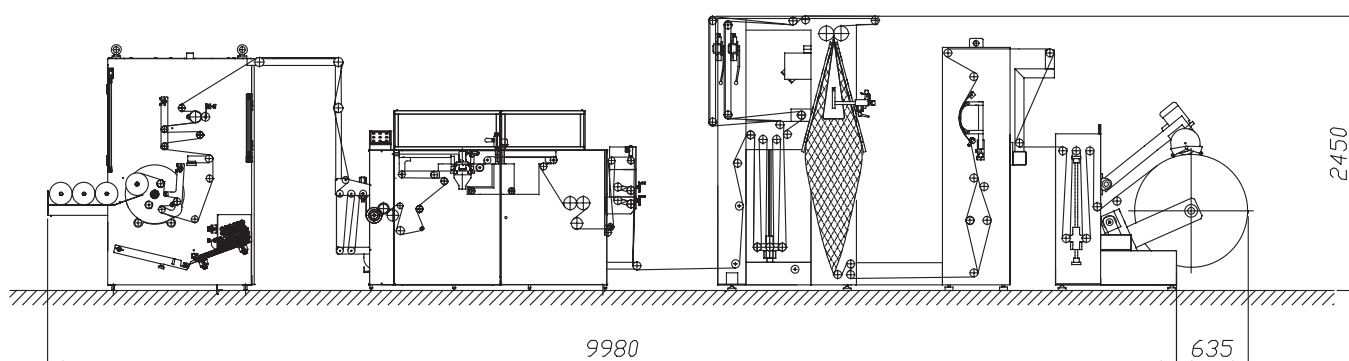
R2 - C



R4 - C



R6 - C



| Technical Characteristics                 | Roller 110 E / 2M | Roller 130 E / 2M |
|---|-------------------|-------------------|
| Min. bag width - Open-Mouth/Shopping bag  | 100/220 mm        | 100/220 mm        |
| Maximum width                             | 230 mm            | 300 mm            |
| Min. bag length - Open-Mouth/Shopping bag | 250/800 mm        | 250/800 mm        |
| Max. bag length - Open-Mouth/Shopping bag | 1500/650 mm       | 1500/650 mm       |
| Maximum roll diameter                     | 180 mm            | 180 mm            |
| Cardboard core internal diameter          | 33 mm             | 33 mm             |
| Minimum film thickness (HPDE)             | 0,010 mm          | 0,010 mm          |
| Maximum film thickness (LPDE)             | 0.060 mm          | 0.060 mm          |
| Maximum mechanical speed                  | 250 cycles/min    | 250 cycles/min    |
| Maximum film speed                        | 150 mt/min        | 150 mt/min        |
| Total power consumption                   | 20 Kw             | 22 Kw             |
| Compressed air consumption                | 800 lit/min       | 800 lit/min       |



R8 - C



R9 - C





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# Roller 110/130 SHP / 6M

## MACHINES FOR PRODUCE

- Packaging: in taped rolls with paper band
- Electronic roller sealing machine with brushless servo-motors with integrated management
- Special anti-stretch film handling system; sealing also designed for very thin films
- Stabilised sealing unit with Ni-Cr plate resistance to seal Shopping bags and Open Mouth bags; closed circuit liquid cooling.
- Film clamping and raffia clamping with patented Moberl system with self-adapting elastic clamps
- Cold pre-cutting with adjustable toothed blade
- Patented die-cutting system for through-cut handles

Digitally set production data and bag length on monitor with possibility to store production 'recipes'. This makes it possible to quickly change the type of processing by recalling the previously stored data set at the touch of a button. Automatic 6-spindle winder for continuous operation at high production speeds.

### VERSION WITHOUT CARDBOARD CORE:

- Line for production in 2 or 3 lanes
- Automatic compensating parallel

### VERSION WITH AND WITHOUT CARDBOARD CORE:

- Line for production in 2 independent lanes
- Independent track control by means of compensating dancer

Equipment for the production of rolls with cardboard core composed of:

- Cardboard core holders with adjustable bulkheads suitable to accommodate cardboard cores with a width between 200 and 300 mm
- Device for transferring the cardboard cores from the container to the centre of the rolling clamp. Cardboard core diameter mm  $30 \pm 0,10$



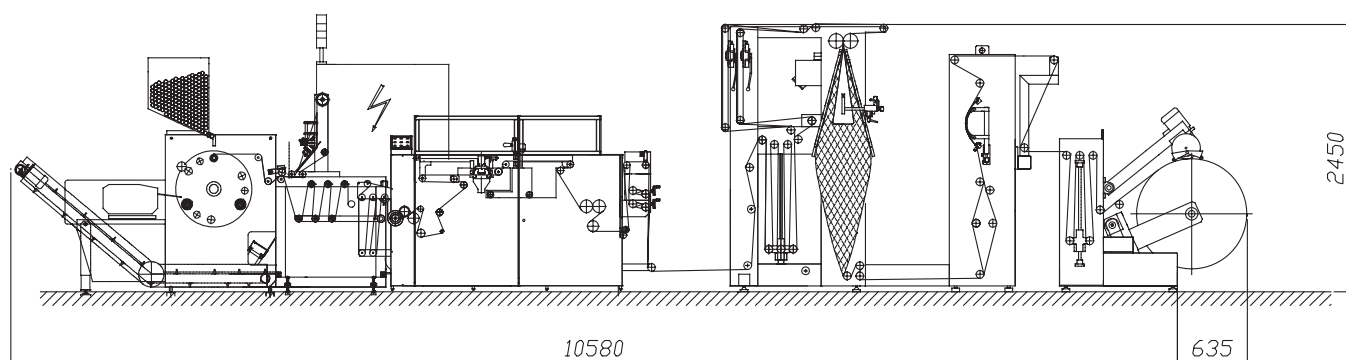
R1 - CL



R2 - C



R7 - CL



| Technical Characteristics        | Open-Mouth Shopping Bag   | Shopping Bag  |
|----------------------------------|---|---|
| Number of tracks                 | 2-3 (without cardboard core)<br>3 (with cardboard core)         | 3 (without cardboard core)<br>2 (with cardboard core)           |
| Min. bag width                   | 150 mm (without cardboard core)<br>200 mm (with cardboard core) | 220 mm (without cardboard core)<br>220 mm (with cardboard core) |
| Maximum width                    | 420 mm (a 2 piste)<br>300 mm (a 3 piste)                        | 270 mm  |
| Minimum bag length               | 250 mm  | 450 mm  |
| Maximum bag length               | 1500 mm   | 800 mm  |
| Maximum roll diameter            | 110 mm  | 110 mm  |
| Cardboard core internal diameter | 30 mm   | 30 mm   |
| Minimum film thickness (HDPE)    | 0,010 mm  | 0,010 mm  |
| Maximum film thickness (LPDE)    | 0,060 mm  | 0,030 mm  |
| Maximum mechanical speed         | 250 cycles/min  | 250 cycles/min  |
| Maximum film speed               | 150 metres/min  | 150 metres/min  |
| Total power consumption          | 16 Kw   | 20 Kw   |
| Compressed air consumption       | 500 lit/min   | 800 lit/min   |



R8 - C



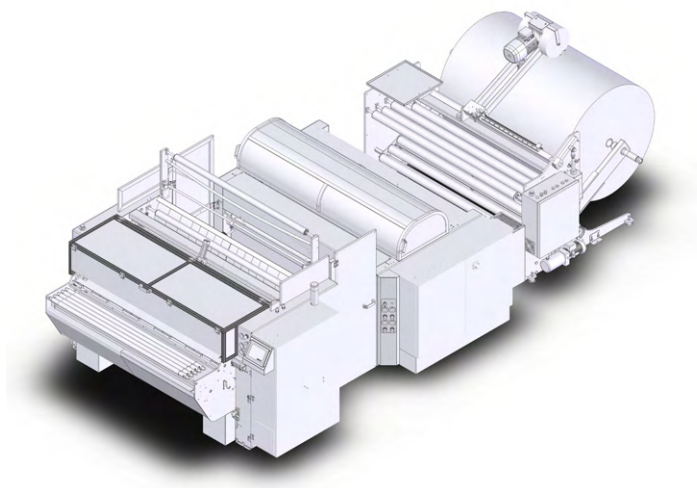
R9 - C



R20 - CL



R22 - CL



# TSA-MP

## MACHINES FOR PRODUCE

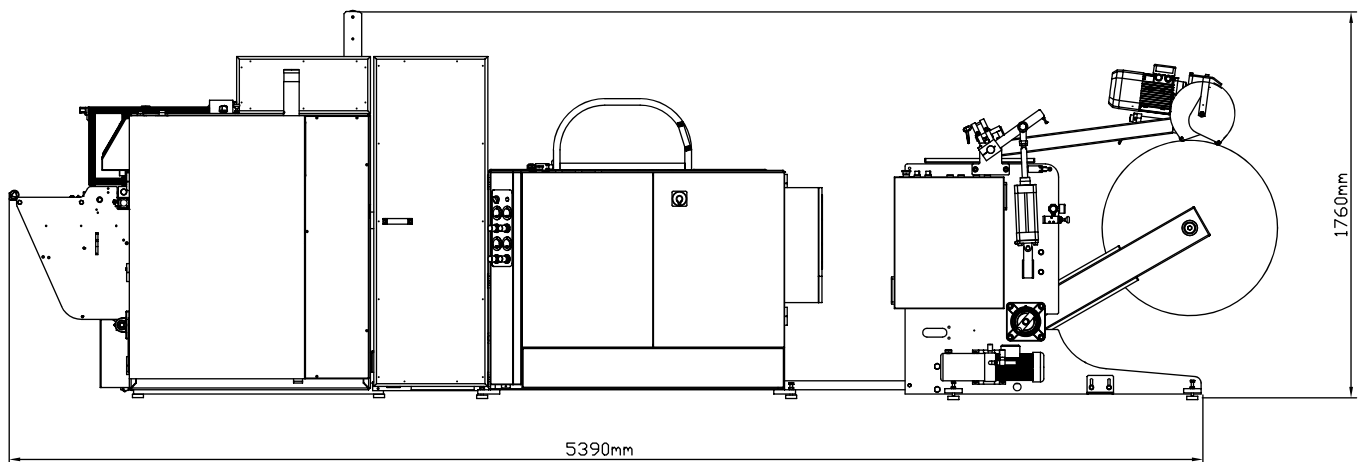
High speed automatic bag making machine (up to 350 cycles/min) for the production of small and medium sized bags from large format reels that can be divided into various tracks (up to 8) with the help of cutter/sealer blades.

Winding on plastic or cardboard cores pre-inserted on pneumatically expanding shafts which are arranged by the operator in a special distributor to allow operation with automatic 'non-stop' changeover.

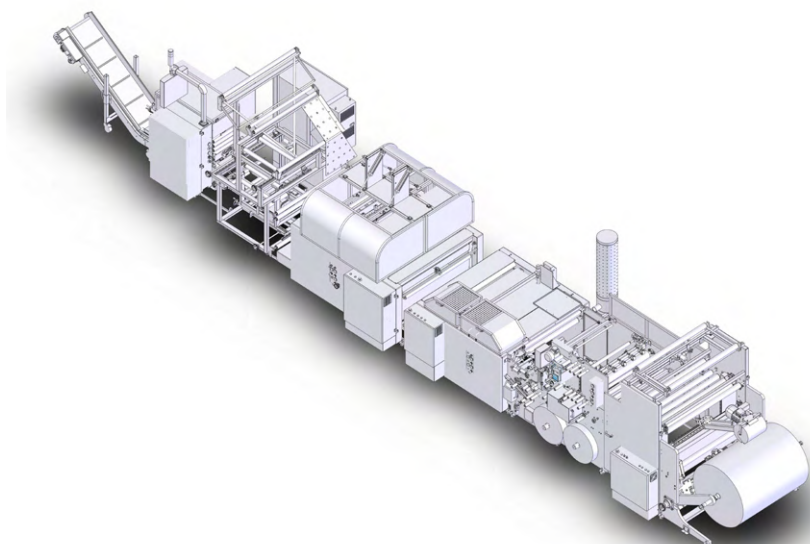
The machine can be equipped with an air balloon filler for the production of gusseted bags as well as with a longitudinal cutter system in case of sheet production.







| Technical Characteristics  | Format 1380  | Format 1640  |
|----------------------------|--------------|--------------|
| Master reel width          | 1300 mm      | 1600 mm      |
| Maximum number of tracks   | 7            | 9            |
| Minimum material thickness | 2x6 $\mu$    | 2x6 $\mu$    |
| Maximum material thickness | 2x50 $\mu$   | 2x50 $\mu$   |
| Minimum bag length         | 100 mm       | 100 mm       |
| Minimum length             | Unlimited    | Unlimited    |
| Maximum speed              | 150 (m./min) | 140 (m./min) |
| Cycles per minute          | 350/min      | 330/min      |
| Maximum roll diameter      | 240 mm       | 240 mm       |



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# TSA-D-SHS 1300

## MACHINES FOR GARBAGE BAGS

The TSA-D-SHS model, designed mainly for the production of bags with closing tape or drawstrings, uses numerous innovative systems that allow this machine to achieve high performance in production while also simplifying its use in terms of adjustments and maintenance.

The peripheral unwinder with a vertical dancer with high accumulation capacity allows the use of large diameter reels and an accurate braking control even in cases of rapid stop.

The additional folding and inserting module including the automatic 'non-stop' changeover of the string forming reel avoids machine downtime with obvious production advantages.

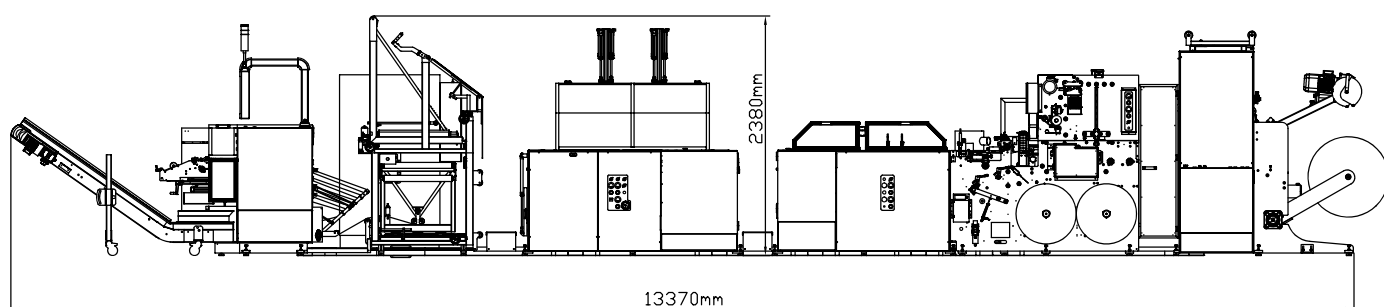
The innovative (patented) channel sealing system in which the strings are inserted with intermittent segmented sealing bars at a constant temperature (not

the hot air system) to allow any air that may form in the channels to escape, while at the same time considerably increasing the vertical tensile strength of the bags.

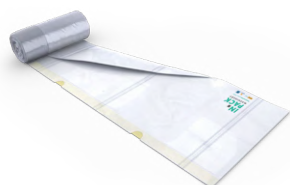
The sealing module with two separate sealing bars allows the machine to reach a rate of over 350 bags/min

The triangle group of single folders with an automatic edge guiding system allows all possible folding combinations to be made in order to always obtain the required roll width.

Finally, the finished rolls, Automatically labelled with an adhesive paper band, can be conveyed to the automatic boxing line (forming of cardboard boxes, filling, closing of the boxes and palletising), making the TSAD-SHS machine unique on the market in terms of both production and technological solutions.



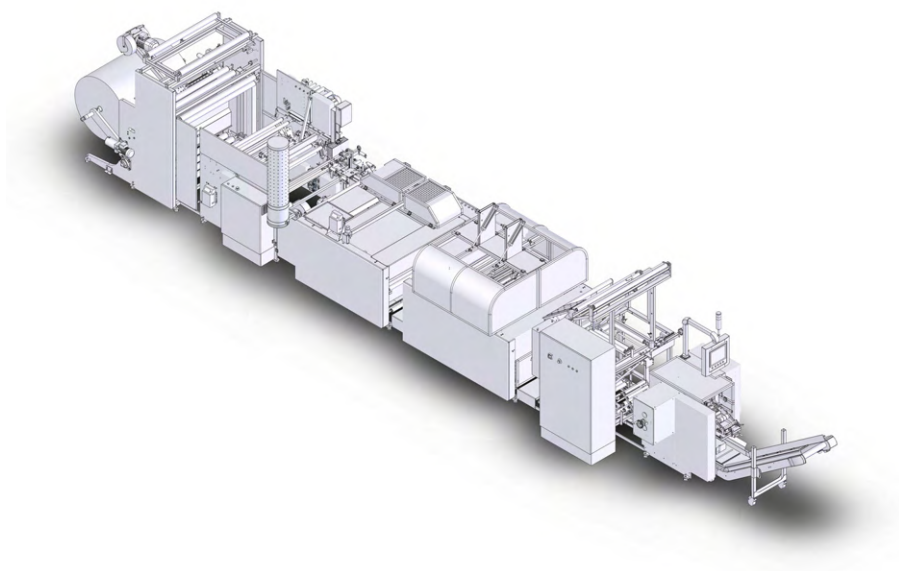
| Technical Characteristics   | Format1300 |
|-----------------------------|------------|
| Cycles per minute           | 350/min    |
| Maximum linear speed        | 180 m/min  |
| Minimum film                | 2x10 $\mu$ |
| Maximum film                | 2x70 $\mu$ |
| Minimum bag length          | 300mm      |
| Maximum width               | 1500mm     |
| Minimum roll width          | 150mm      |
| Maximum rewindable diameter | 110mm      |
| Maximum number of changes   | 25/min     |



R13 - CL



R14 - CL



# TSA-SHS 1300

## MACHINES FOR GARBAGE BAGS

- Production of bags with drawstrings (anti-drip)
- Patented welding system of the string-holding flaps
- 'non-stop' automatic changeover

The TSA-SHS model, designed mainly for the production of bags with closing tape or drawstrings, uses numerous innovative systems that allow this machine to achieve high performance at the production level while also simplifying its use in terms of adjustments and maintenance.

The peripheral unwinder with vertical dancer with high accumulation capacity allows the use of large diameter reels and an accurate braking control even in the case of a rapid stop.

The additional folding and inserting module including the automatic 'non-stop' change of the string forming reel avoids machine downtime with obvious production advantages.

The innovative (patented) channel sealing system in which the strings are inserted with intermittent segmented sealing bars at a constant temperature

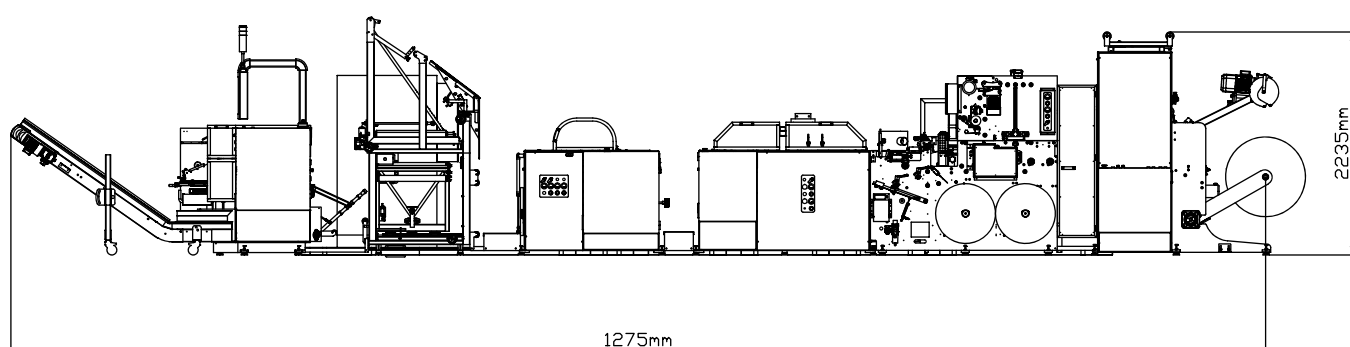
(not the hot air system) to allow any air that may form in the channels to escape, while at the same time considerably increasing the vertical tensile strength of the bags.

The sealing module with two separate sealing bars allows the machine to reach a rate of over 350 bags/min

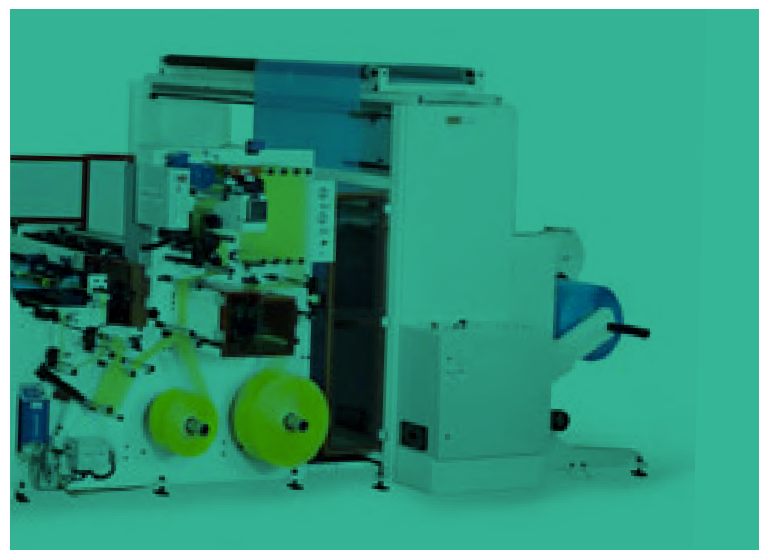
The triangle group of single folders with an automatic edge guiding system allows all possible folding combinations to be made in order to always obtain the required roll width.

Finally, the finished rolls, Automatically labelled with an adhesive paper band, can be conveyed to the automatic boxing line (forming of cardboard boxes, filling, closing of the boxes and palletising), making the TSA-SHS machine unique on the market in terms of both production and technological solutions.





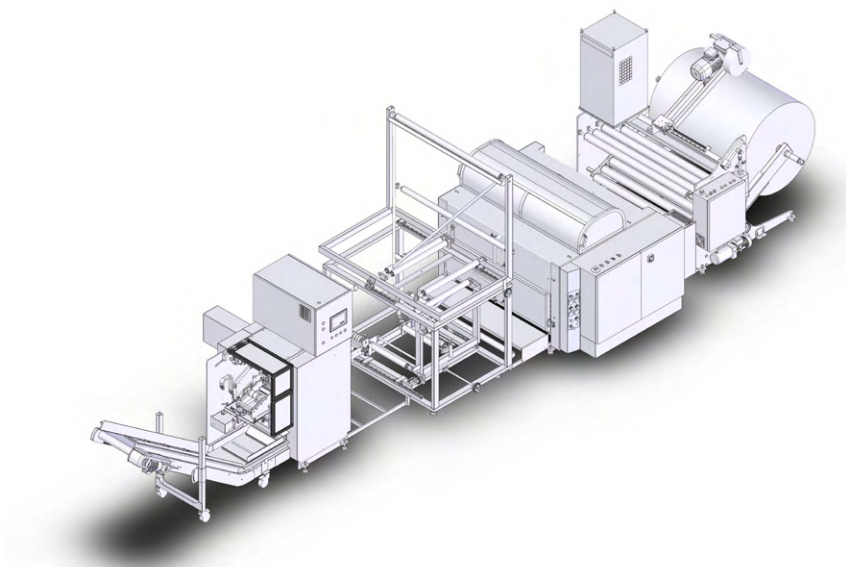
| Technical Characteristics   | Format 1300 |
|-----------------------------|-------------|
| Cycles per minute           | 280/min     |
| Material speed              | 180 m/min   |
| Minimum thickness           | 2x10 $\mu$  |
| Maximum thickness           | 2x70 $\mu$  |
| Minimum bag length          | 300 mm      |
| Maximum width               | 1500 mm     |
| Minimum roll width          | 150 mm      |
| Maximum rewindable diameter | 110 mm      |
| Maximum number of changes   | 25/min      |



R13 - CL



R14 - CL



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# TSA ROLLER 1240 / 1380

## MACHINES FOR GARBAGE BAGS

- Production of bottom- or side-welded bags (anti-drip)
- Rolls without inner core
- Automatic 'non-stop' changeover
- Automatic labelling of finished rolls

Machine model suitable for the production of bottom- or side-seal bags or pre-cut pieces wrapped without an inner core (coreless) in one lane from flat or gusseted reels.

This model is also designed for in-line operation with an extruder.

Non-stop' automatic changeover system, rolls

wrapped by means of adhesive paper labels, and finished rolls collected by conveyor belt.

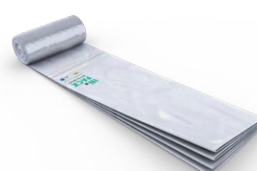
Possibility of equipping the machines with air-balloon fillers, raffia inserters, binding applicator for closure as well as folding units to form bags with round bottoms (star bottom seal).



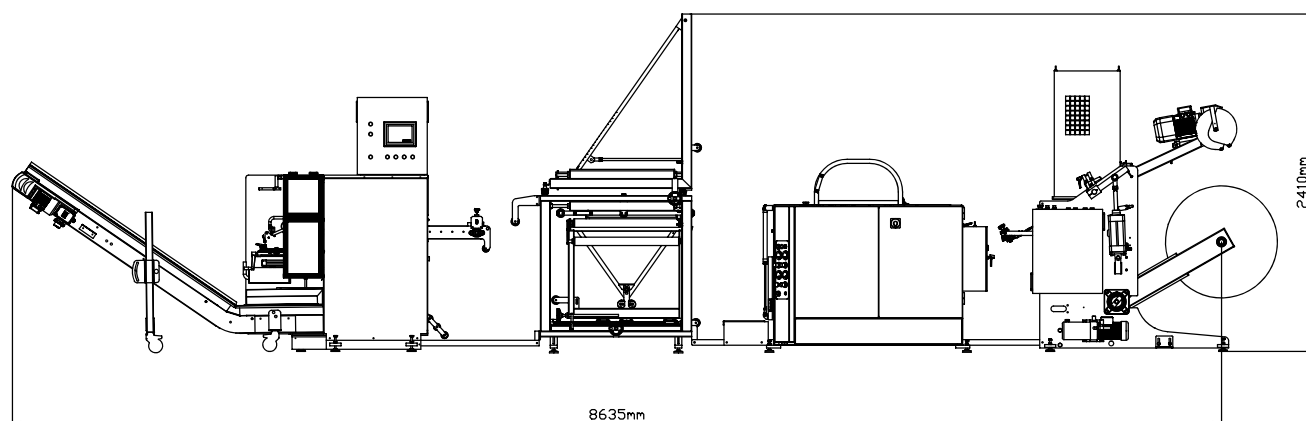
R5 - CL



R7 - CL



R21 - CL



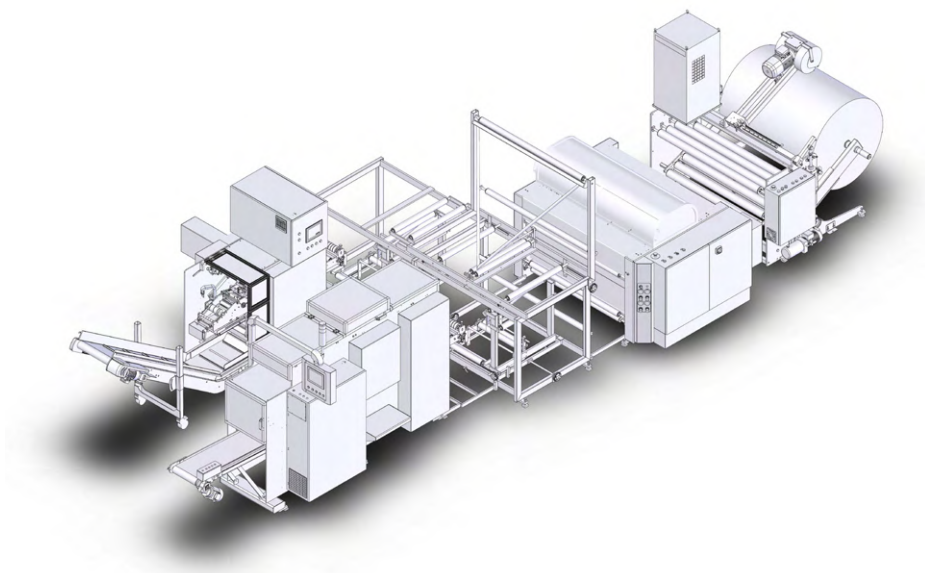
| Technical Characteristics  | Format 1240        | Format 1380        |
|----------------------------|--------------------|--------------------|
| Min. material width        | 200 mm             | 300 mm             |
| Max. material width        | 1200 mm            | 1300 mm            |
| Minimum bag length         | 200 mm             | 200 mm             |
| Max. bag width             | Unlimited          | Unlimited          |
| Minimum weldable thickness | 2x8 $\mu\text{m}$  | 2x8 $\mu\text{m}$  |
| Maximum weldable thickness | 4x80 $\mu\text{m}$ | 4x80 $\mu\text{m}$ |
| Maximum cadence            | 320/min            | 300/min            |
| Maximum linear speed       | 180 m/min          | 180 m/min          |
| Maximum roll diameter      | 120 mm             | 120 mm             |
| Minimum roll width         | 100 mm             | 100 mm             |
| Maximum roll width         | 440/510 mm         | 440/510 mm         |
| Maximum number of changes  | 22/min             | 22/min             |



R29 - C



R30 - C



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AMU **TEC**  
FOR WASTE MACHINES

# TSA-P-Roller 1240

## MACHINES FOR GARBAGE BAGS

- Production of bottom- or side-seal bags (anti-drip)
- Rolls without inner core
- Automatic 'non-stop' changeover
- Automatic labelling of finished rolls
- Sacks with bottom seal folded
- individually 4 times length-wise

Machine model suitable for the production of bottom, side or core-less bags wrapped on one track from flat or gusseted reels.

The machine is designed for the production of bags in roll form (Roller) or individually folded and stacked (Fender), also suitable for in-line operation with extruder. Possibility to produce non-drip bags using the double sealing bar (shopping bag type) with a cut-out for a side opening when using the Roller version, while for the Fender version the bottom seal bags are folded longitudinally (2/3/4 times the width of the reel) by means of the single folding triangles and are then

individually separated and folded transversely by the folding unit and collected in pre-folded bundles to be sent to the operator by means of a special conveyor belt.

'Non-stop' automatic changeover system in the Roller version with bundling of the rolls by means of adhesive paper labels and collection of the finished rolls by means of a conveyor belt.

Possibility of equipping the machines with reel guide, side and/or central slitters, air-balloon fillers, raffia inserters, and binding applicator for closure.



SS3

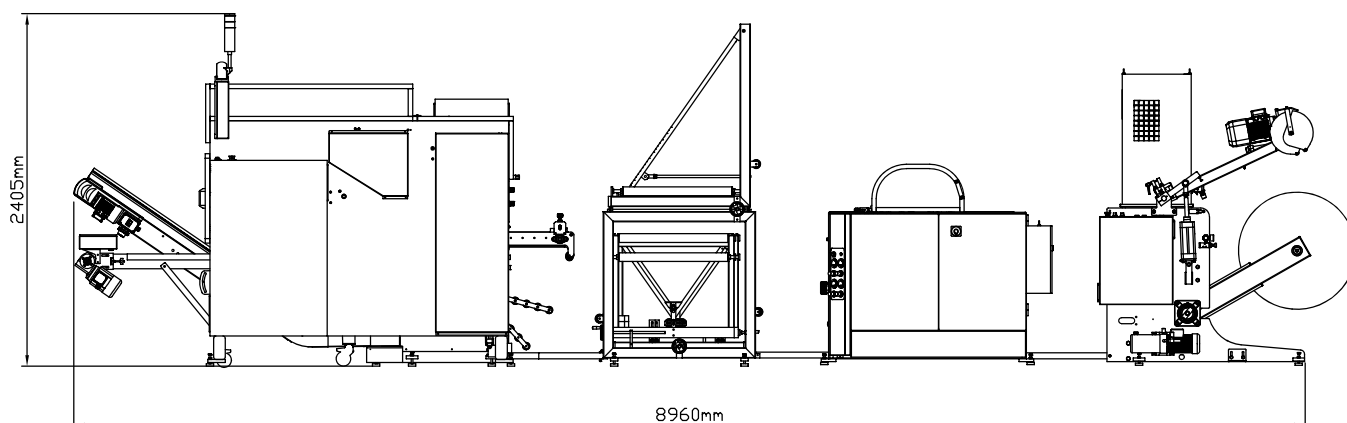


R14 - CL

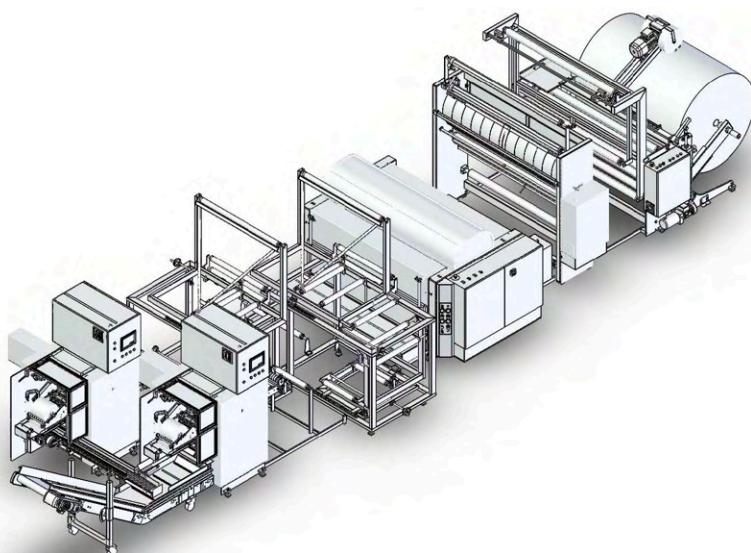


FB5





| Technical Characteristics       | Format 1240 Roller | Folder       |
|---------------------------------|--------------------|--------------|
| Min. material width             | 200mm              | 200mm        |
| Max. material width             | 1200mm             | 1200mm       |
| Minimum bag length              | 200mm              | 500mm        |
| Maximum bag length              | 50.000 mm          | 1300 mm      |
| Minimum weldable thickness      | 2x8 $\mu$ m        | 2x8 $\mu$ m  |
| Maximum weldable thickness      | 4x80 $\mu$ m       | 2x80 $\mu$ m |
| Maximum cadence                 | 300/min            | 200/min      |
| Maximum linear speed            | 180 m/min          | 160 m/min    |
| Maximum roll diameter           | 120 mm             |              |
| Minimum roll width              | 100 mm             |              |
| Maximum roll width              | 440 mm             |              |
| Maximum number of changes       | 22/min             |              |
| Minimum width of the folded bag |                    | 100 mm       |
| Maximum width of the folded bag |                    | 300 mm       |



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# TSA-D-Roller 1380/1840

## MACHINES FOR GARBAGE BAGS

- Production of bottom- or side-seal bags (anti-drip)
- Rolls without inner core
- Automatic 'non-stop' changeover
- Automatic labelling of finished rolls

Machine model suitable for the production of bags with bottom, side or core-less seals in one or two lanes from flat or gusseted reels.

The machine is designed to operate from two separate reels using the double unwinder model, from a single reel divided into two separate tracks by means of the cut/seal accessory or from a central cutter in the case of anti-drip bag production.

'Non-stop' automatic changeover system with roll wrapped with adhesive paper labels and collection of finished rolls by means of conveyor belt.

Possibility of equipping the machines with a reel guide, cutter/welding blade, side and/or central cutters, air balloon filler, raffia inserter, binding applicator for closure as well as folding units for the formation of bags with a round bottom (star bottom seal).



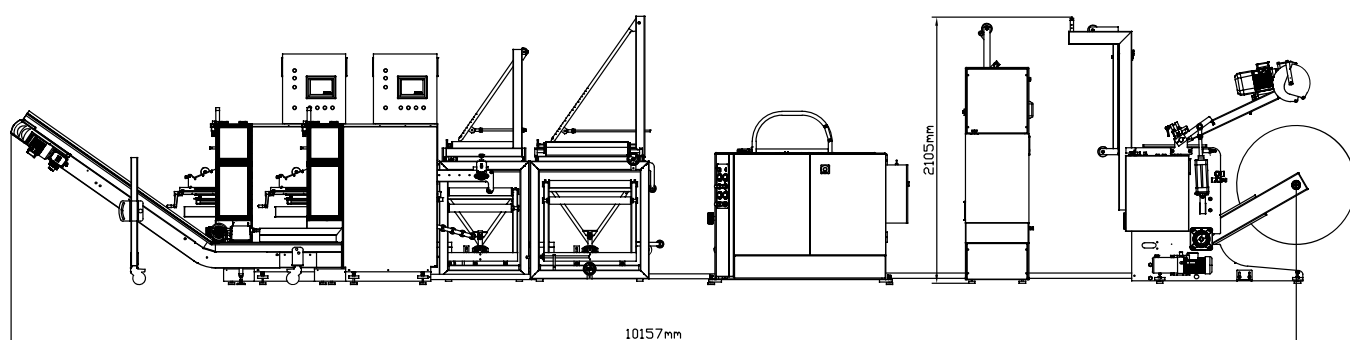
R5 - CL



R14 - CL



R16 - CL



| Technical Characteristics  | Format 1380  | Format 1640  | Format 1840  |
|----------------------------|--------------|--------------|--------------|
| Min. material width        | 200 mm       | 200 mm       | 200 mm       |
| Max. material width        | 1300 mm      | 1600 mm      | 1800 mm      |
| Minimum bag length         | 200 mm       | 200 mm       | 200 mm       |
| Maximum bag length         | 50.000 mm    | 50.000 mm    | 50.000 mm    |
| Minimum weldable thickness | 2x8 $\mu$ m  | 2x8 $\mu$ m  | 2x8 $\mu$ m  |
| Maximum weldable thickness | 4x80 $\mu$ m | 4x80 $\mu$ m | 4x80 $\mu$ m |
| Maximum cadence            | 300/min      | 250/min      | 240/min      |
| Maximum linear speed       | 180 m/min    | 180 m/min    | 180 m/min    |
| Maximum roll diameter      | 120 mm       | 120 mm       | 120 mm       |
| Minimum roll width         | 100 mm       | 100 mm       | 100 mm       |
| Maximum roll width         | 440/510 mm   | 440 /510 mm  | 440 /510 mm  |
| Maximum number of changes  | 22/min       | 22/min       | 22/min       |





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# TSA-SHO 840/1240

## MACHINES FOR GARBAGE BAGS

- Up to 3 lanes
- Production of round bottom Shopping bags
- Wrapped without inner core

High-performance machine model for the production of two or three lane shopping bags starting from a single reel divided into the various lanes by means of sealing units with Nickel Chromium blades whose temperature, individually controlled by electronic temperature controllers, allows them to reach a high speed while maintaining a perfect sealing quality. Air balloon filler with automatic material tension con-

trol system to facilitate the adjustment and maintenance of correctly aligned bellows.

Folding triangles and reversing bars for the production of star seal bags, two or three lane die-cutting system with removal of die-cutting waste in case of production of bags with handles.

Automatic coreless winder with automatic labelling and collection of finished rolls by conveyor belt.



R14 - CL



R18 - CL

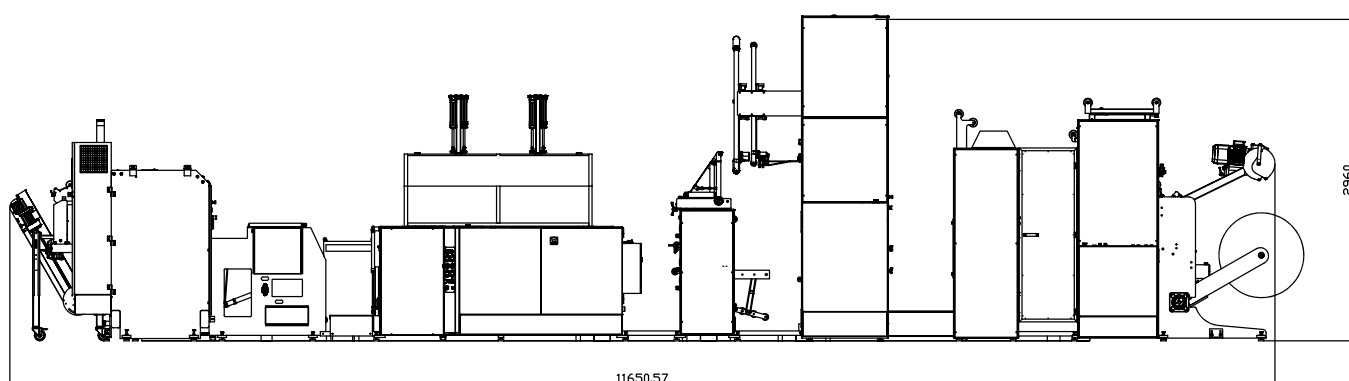


R19 - CL



R20 - CL





| Technical Characteristics      | Format 840 | Format 1040 | Format 1240 |
|--------------------------------|------------|-------------|-------------|
| Master reel width              | 1640 mm    | 1840 mm     | 2100 mm     |
| Maximum cadence                | 350 min    | 350 min     | 350 min     |
| Maximum speed material         | 200 m/min  | 200 m/min   | 200 m/min   |
| Minimum material thickness     | 2×10 μ     | 2×10 μ      | 2×10 μ      |
| Maximum material thickness     | 4×60 μ     | 4×60 μ      | 4×60 μ      |
| Minimum bag length             | 200 mm     | 200 mm      | 200 mm      |
| Maximum bag length             | 1500 mm    | 1500 mm     | 1500 mm     |
| Maximum finished roll diameter | 110 mm     | 110 mm      | 110 mm      |
| Maximum number of changes      | 28 /min    | 28 /min     | 28 /min     |



R21 - CL



R22 - CL



R23 - CL



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# Nastrosac 110-130 4M

## MACHINES FOR GARBAGE BAGS

- Single-strip line for the production of Open-Mouth bags with drawstring closure
- Packaging: rolls with pre-cut for tearing and taped with paper band
- Patented lip folding system
- 4-spindle automatic winder for continuous operation at high production speeds

Specialised line for the 1-lane production of Open-Mouth bags with drawstring closure taped in a roll and pre-cut for easy tearing.

The same machine can also produce Open-Mouth bags with side or bottom seal without closing tape. Packaging: in taped rolls with paper band insertion unit with Mober patented fold/loop and continuous thermoregulated hot air welding. NASTROSAC welding machine with brushless servo-motors with integrated management.

N.1 Double motorised single folder.

The line is completed with a new rolling unit with 4 spindles able to guarantee 25 changes per minute at a maximum speed of 350 cycles per minute. Stabilised welding unit with double Ni-Cr plate; welding temperature approx. 30 - 40 °C.

Auxiliary soldering for tape reinforcement, with independent temperature control.

Closed circuit liquid cooling.

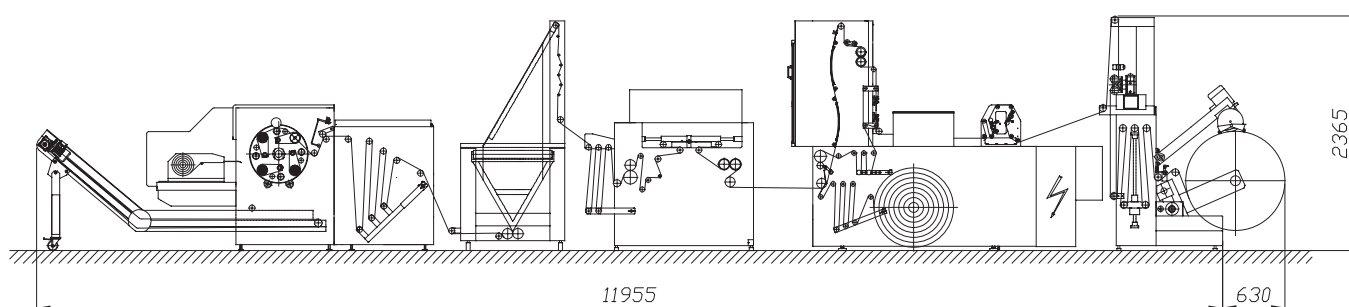
Continuous sealing system with film moving at constant speed.

Pre-cutting knurling unit with quick adjustment system depending on thickness and type of material incorporated in the sealing unit.

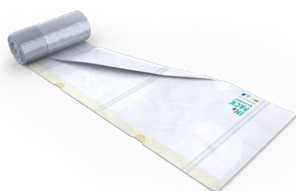
Mechanical film blocking system patented by Mober. Production data and bag length digitally set on monitor with possibility to store production 'recipes'. This allows the type of processing to be changed quickly by recalling the previously stored data set at the touch of a button.

Automatic taping machine to seal the rolls with gummed paper. Conveyor belt for roll extraction.

Computerised electronic management of the entire production cycle. General control of the main causes of stoppages with instructions displayed on the control monitor.



| Technical Characteristics       | Nastosac 110 E / 4M | Nastosac 130 E / 4M |
|---------------------------------|---------------------|---------------------|
| Min/max bag width - Nastosac    | 250/900 mm          | 250/900 mm          |
| Min/max bag width - Open-Mouth  | 200/1100 mm         | 200/1300 mm         |
| Min/max bag length - Nastosac   | 400/1050 mm         | 400/1250 mm         |
| Min/max bag length - Open-Mouth | 250/1500 mm         | 200/1500 mm         |
| Minimum film thickness (HPDE)   | 0.010 mm            | 0.010 mm            |
| Maximum film thickness (LPDE)   | 0.050 mm            | 0.050 mm            |
| Maximum mechanical speed        | 300 cycles/min      | 280 cycles/min      |
| Maximum film speed              | 150 mt/min          | 150 mt/min          |
| Maximum roll diameter           | 120 mm              | 120 mm              |
| Min/max roll width              | 150/350 mm          | 150/400 mm          |
| Total power consumption         | 20 Kw               | 24 Kw               |
| Compressed air consumption      | 1200 lit/min        | 1200 lit/min        |



R13 - CL



R14 - CL



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# Nastrosac 130 DUO

## MACHINES FOR GARBAGE BAGS

- Two-lane line for the production of Open-Mouth bags with drawstring closure and normal Open-Mouth bags.
- Packaging: rolls with pre-cut for tearing and taped with paper band

Specialised line for the 1 or 2-lane production of Open-Mouth bags with drawstring closure taped in a roll and pre-cut for easy tearing.

The same machine can also produce Open-Mouth bags with side or bottom seal without closing tape for the production of 1 or 2 lanes.

Packaging: in taped rolls with paper band N.2 insertion units with Mober patented fold/loop and continuous thermoregulated hot air welding. NASTRO-SAC welding machine with brushless servo-motors with integrated management.

N.2 Double motorised single folder.

The line is equipped with a new rolling unit with 8 spindles able to guarantee 20 changes per minute at a maximum speed of 280 cycles per minute.

Stabilised welding unit with double Ni-Cr plate; welding temperature approx. 30 - 40 °C.

Auxiliary soldering for tape reinforcement, with independent temperature control.

Closed circuit liquid cooling.

Continuous sealing system with film moving at constant speed.

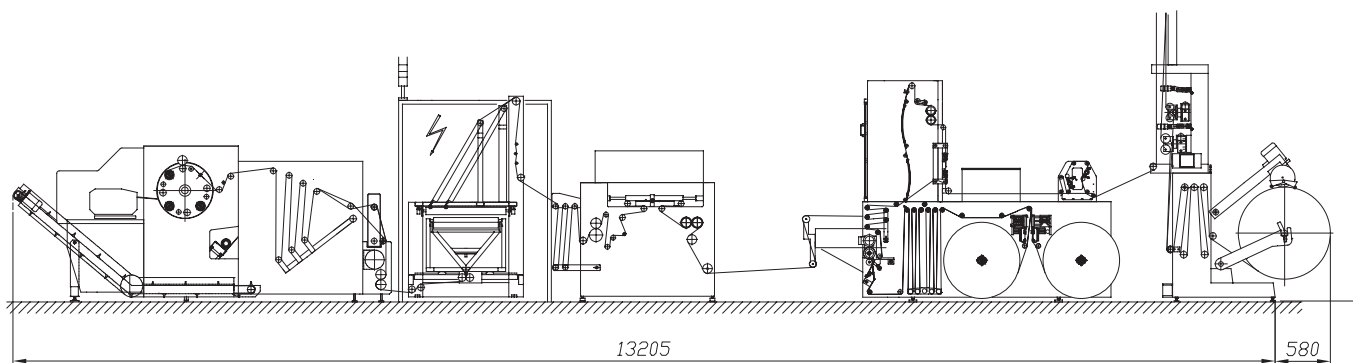
Pre-cutting knurling unit with quick adjustment system depending on thickness and type of material incorporated in the sealing unit.

Mechanical film blocking system patented by Mober. Production data and bag length digitally set on monitor with possibility to store production 'recipes'. This allows the type of processing to be changed quickly by recalling the previously stored data set at the touch of a button.

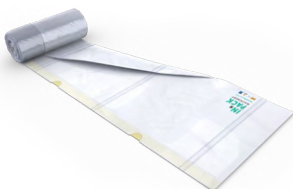
Automatic taping machine to seal the rolls with gummed paper. Conveyor belt for roll extraction.

Computerised electronic management of the entire production cycle. General control of the main causes of stoppages with instructions displayed on the control monitor.





| Technical Characteristics       | Nastosac 130 E / 8M |
|---------------------------------|---------------------|
| Min/max bag width - Nastosac    | 250/900 mm          |
| Min/max bag width - Open-Mouth  | 200/1250 mm         |
| Min/max bag length - Nastosac   | 450/1250 mm         |
| Min/max bag length - Open-Mouth | 250/1500 mm         |
| Minimum film thickness (HPDE)   | 0.010 mm            |
| Maximum film thickness (LPDE)   | 0.050 mm            |
| Maximum mechanical speed        | 280 cycles/min      |
| Maximum film speed              | 150 mt/min          |
| Maximum roll diameter           | 120 mm              |
| Min/max roll width              | 150/400 mm          |
| Total power consumption         | 26 Kw               |
| Compressed air consumption      | 1400 lit/min        |



R13 - CL



R14 - CL



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# Roller 110-130 6M

## MACHINES FOR GARBAGE BAGS

- Two to three-lane line for the production of Open-Mouth bags with pre-cut for easy tearing.
- Packaging: in taped rolls with paper band. Special anti-stretch film handling system also designed for very thin film.
- 6-spindle automatic winder (optional 8-spindle)

Specialised line for the production of Open-Mouth bags wrapped in rolls, pre-cut for easy tearing for 2 - 3 lane processing.

Electronic roller sealer with integrated brushless servo-motors. Special anti-stretch film handling system also designed for very thin film. Automatic compensator paralleliser.

Packaging: in taped rolls with paper band Stabilised sealant with Ni-Cr plate resistance;

Sealing temperature approx. 30 - 40 °C.

Closed circuit liquid cooling.

Film blocking and raffia blocking with patented MoBERT system with self-adapting elastic clamps.

Cold pre-cutting with adjustable toothed blade.

Production data and bag length digitally set on monitor with possibility to store production 'recipes'. This makes it possible to change the type of processing

quickly by recalling the previously stored data set at the touch of a button.

Automatic 6-spindle winder for continuous operation at high production speeds.

Automatic taping machine for sealing rolls with gummed paper. Conveyor belt for roll extraction.

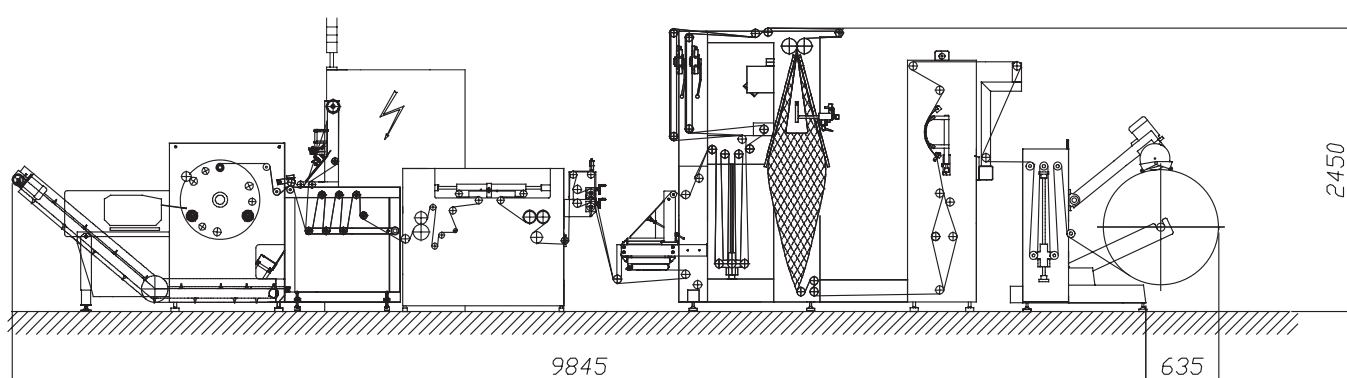
Computerised electronic management of the entire production cycle.

General control of the main causes of stoppages with instructions displayed on the control monitor.

Special equipment on request for :

Printed Films - Automatic Clips Insertion - Roll Holders - Weld Cutter - Blower - are available in various versions according to customer requirements.

Independent track control by means of a compensation dancer.



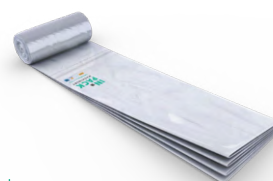
| Technical Characteristics   | Roller 110 E / 6M | Roller 130 E / 6M |
|-----------------------------|-------------------|-------------------|
| Useful welding width        | 1100 mm           | 1300 mm           |
| Min. bag width              | 150 mm            | 150 mm            |
| Maximum bag length          | 1500 mm           | 1500 mm           |
| Minimum film thickness HPDE | 0.010 mm          | 0.010 mm          |
| Maximum film thickness LPDE | 0.060 mm          | 0.060 mm          |
| Maximum mechanical speed    | 300 cycles/min    | 300 cycles/min    |
| Maximum film speed          | 160 mt/min        | 160 mt/min        |
| Maximum roll diameter       | 120 mm            | 120 mm            |
| Maximum roll width 2 lanes  | 450 mm            | 450 mm            |
| Maximum roll width 3 lanes  | 300 mm            | 350 mm            |
| Total power consumption     | 16 Kw             | 16 Kw             |
| Compressed air consumption  | 300 lit/min       | 300 lit/min       |



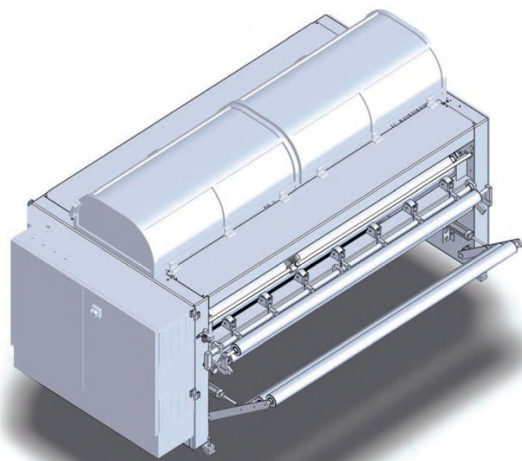
R14 - CL



R16 - CL



R21 - CL



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# TS 1000/2650

## IN-LINE WELDERS WITH EXTRUDER

- Welding machine for bottom or double seal
- In-line operation with extruder
- Automatic synchronisation with line speed
- Automatic material tension control

The TS machine series is designed for in-line operation with extruders by means of a special synchronisation dancer.

The machine is equipped with an automatic material tension control system to prevent excessive tension on the still hot welds from stretching the material and causing a weakening of the seal or a rupture of the material.

The TS machines are designed for the production of various types of bags such as bags with bottom seal, side seal (double seal with a pre-cut in the middle, Shopping bag type), shaped seal for garment bags, accessories for the production of car seat cover bags, side cutters, continuous perforators as well as other special applications based on customer request.



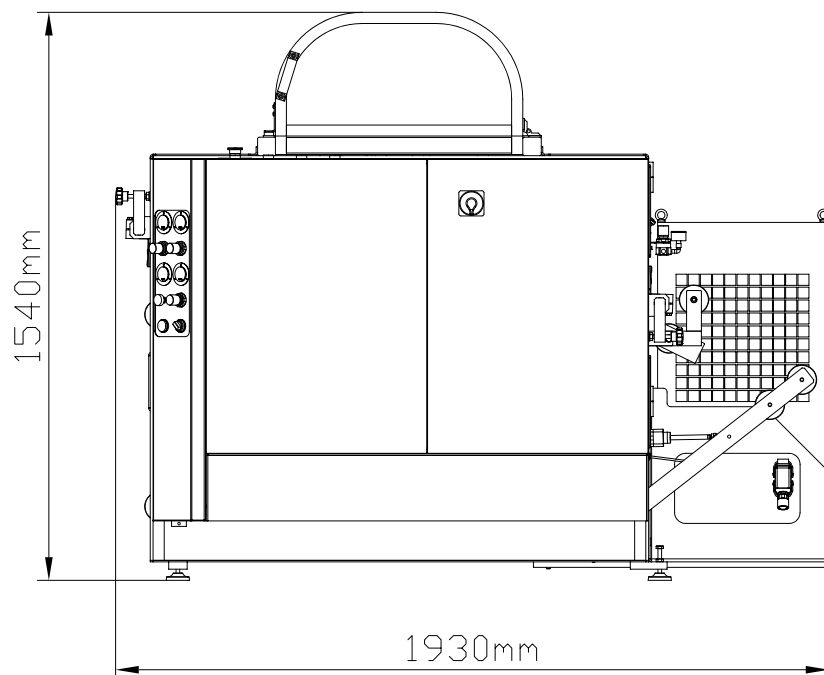
R15 - C



R25 - C



R26 - C



| Technical Characteristics | Format 1000 | Format 1240 | Format 1640 | Format 2000 | Format 2200 | Format 2450 | Format 2650 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Cycles per minute         | 140         | 140         | 140         | 130         | 130         | 110         | 110         |
| Maximum linear speed      | 110 m/min   | 110 m/min   | 110 m/min   | 110 m/min   | 110 m/min   | 110 m/min   | 110 m/min   |
| Minimum thickness         | 2x10 $\mu$  | 2x10 $\mu$  | 2x10 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  |
| Maximum thickness         | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ |
| Minimum bag length        | 150 mm      | 150 mm      | 150 mm      | 150 mm      | 150 mm      | 150 mm      | 150 mm      |
| Maximum width             | unlimited   | unlimited   | unlimited   | unlimited   | unlimited   | unlimited   | unlimited   |



R27 - C



R28 - C

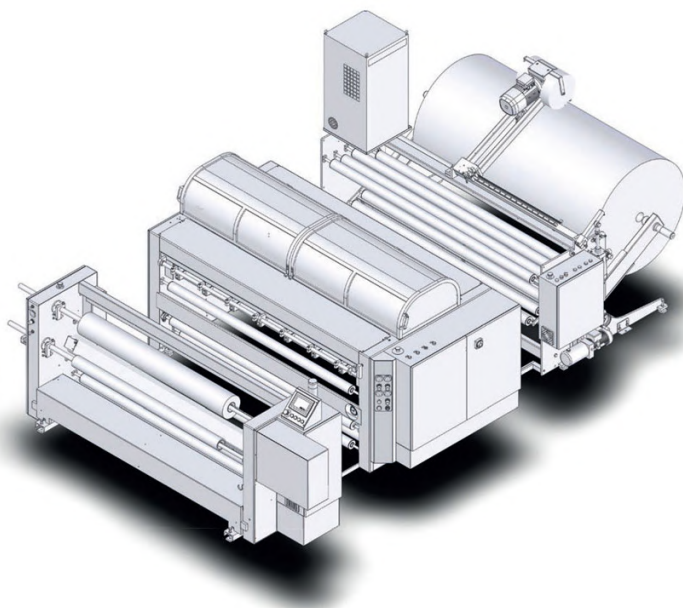


R29 - C



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# TS-R 1240/2450

## COIL TO COIL WELDING MACHINES

- Welding machine for bottom or double seal
- Coil-to-coil operation
- Single or double peripheral unwinder
- Semi-automatic winder

The TS-R machine series is designed for roll-to-roll operation with either a single or dual reel using dual track unwinders.

The machine is equipped with an automatic material tension control system to prevent excessive tension on the still hot seals from stretching the material and causing a weakening of the seal or a rupture of the material.

The TS-R machines are equipped with a two-station semi-automatic coreless winder and designed for the

production of various types of bags, such as bags with a bottom seal, side seal (double seal with a pre-cut in the middle, Shopping bag type), shaped seal for garment bags.

They also foresee the installation of accessories for the production of car seat cover bags, side cutters, continuous perforators, the possibility of installing cutter/sealer units, air balloon fillers on one or more lanes, longitudinal cutters as well as other special applications based on customer requirement.



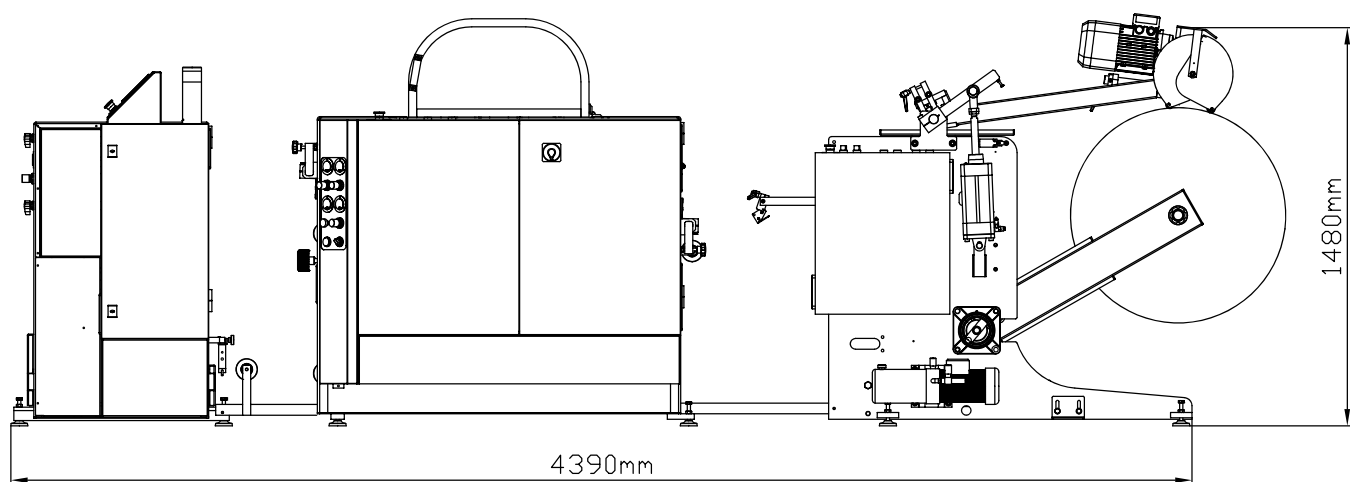
R15 - C



R25 - C



R26 - C



| Technical Characteristics   | Format 1240 | Format 1640 | Format 2000 | Format 2200 | Format 2450 |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Cycles per minute           | 140         | 140         | 130         | 130         | 110         |
| Maximum linear speed        | 140 m/min   | 140 m/min   | 140 m/min   | 140 m/min   | 140 m/min   |
| Minimum thickness           | 2x10 $\mu$  | 2x10 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  |
| Maximum thickness           | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ |
| Minimum bag length          | 150 mm      | 150 mm      | 150 mm      | 150 mm      | 150 mm      |
| Maximum width               | unlimited   | unlimited   | unlimited   | unlimited   | unlimited   |
| Maximum rewindable diameter | 420 mm      | 420 mm      | 420 mm      | 420 mm      | 420 mm      |



R27 - C



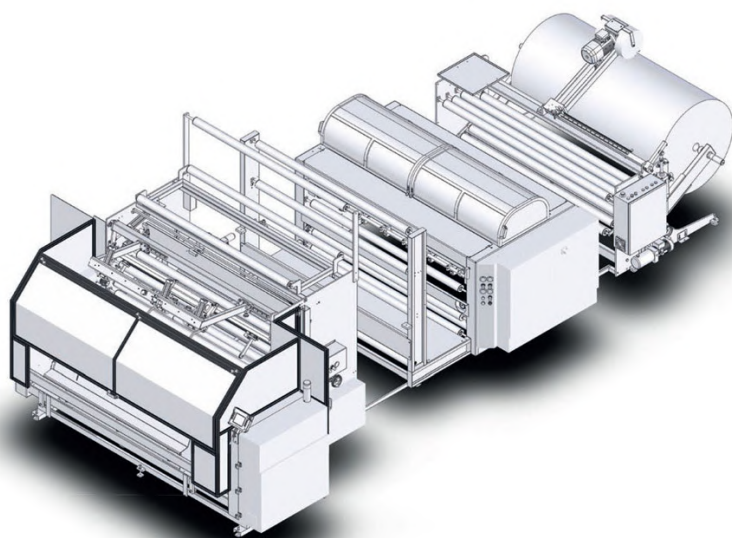
R28 - C



R29 - C

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# TS-RA 1240/2000

## REEL-TO-REEL WITH AUTOMATIC CHANGEOVER

- Winder with automatic 'non-stop' changeover
- Bottom or double seal (Shopping bag type)
- Tension control by brushless motors
- High capacity spindle feed hopper

The TS-RA machine series is designed for reel-to-reel operation with automatic 'non-stop' changeover, a high capacity spindle feed hopper and lift for unloading finished reels.

The machines are equipped with an automatic material tension control system to prevent excessive tension on the still hot seals from stretching the material and causing a weakening of the seal or the rupture of the material; a reel guide on the winding unit to ensure correct alignment of the edge of the reels; control of the winding tension by means of a pneumatically adjustable dancer based on

the thickness and width of the material being produced. The TS-RA Series allows the production of various types of bags such as bags with bottom seal, side seal (double seal with a pre-cut in the middle, Shopping bag type).

They also include accessories for the production of car seat covers, side cutters, continuous perforators, air balloon gusseting machines, single folding triangles, as well as special applications developed specifically for customer requirements, such as preformed bags for automatic packaging machines.



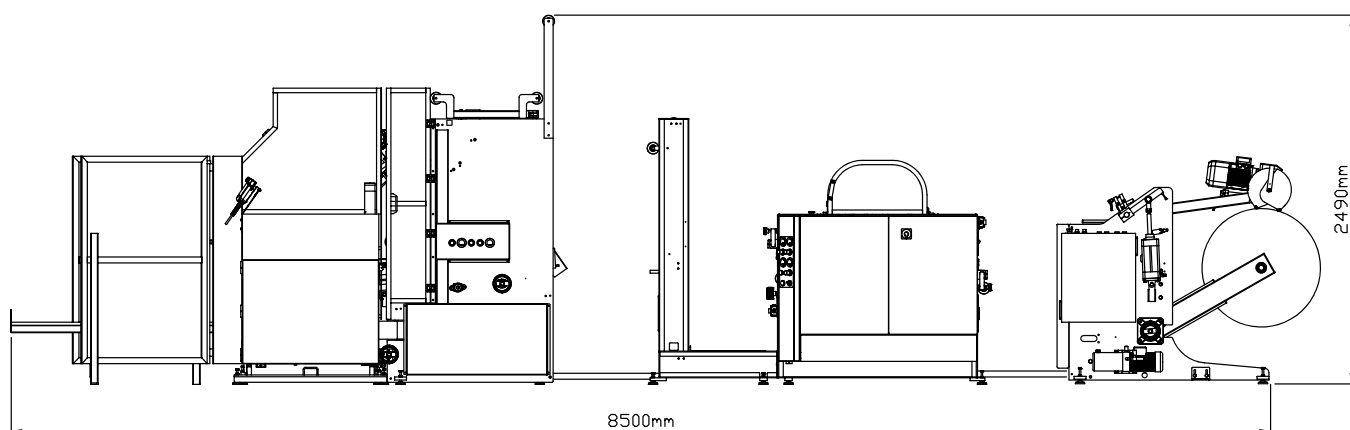
R24 - C



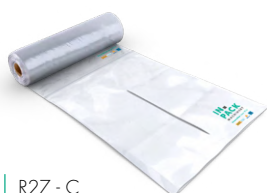
R25 - C



R26 - C



| Technical Characteristics   | Format 1240 | Format 1600 | Format 2000 |
|-----------------------------|-------------|-------------|-------------|
| Cycles per minute           | 150         | 150         | 140         |
| Maximum linear speed        | 140 m/min   | 140 m/min   | 140 m/min   |
| Minimum thickness           | 2x10 $\mu$  | 2x10 $\mu$  | 2x10 $\mu$  |
| Maximum thickness           | 4x180 $\mu$ | 4x180 $\mu$ | 4x180 $\mu$ |
| Minimum bag length          | 150 mm      | 150 mm      | 150 mm      |
| Maximum width               | 1000 mt     | 1000 mt     | 1000 mt     |
| Maximum rewindable diameter | 380 mm      | 380 mm      | 380 mm      |



R27 - C



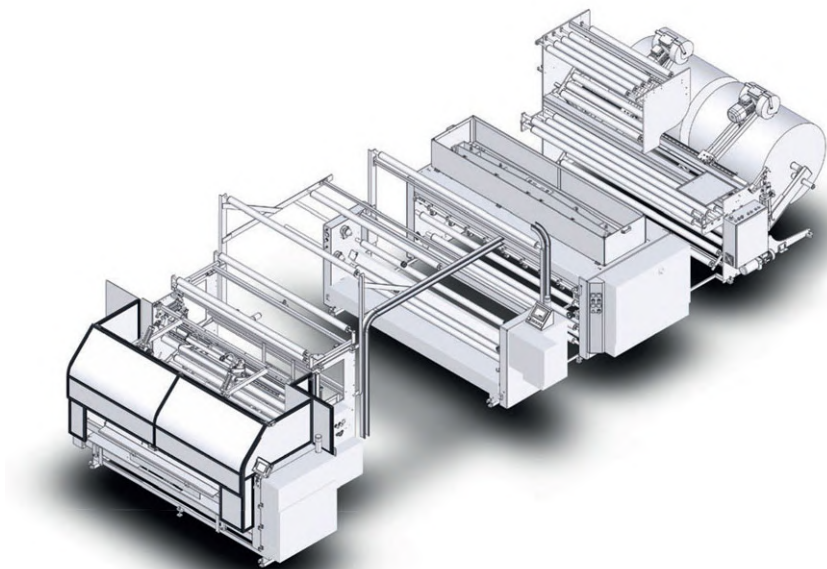
R28 - C



R29 - C



R30 - C



# TS-RA+R 1240/2450

## REEL-TO-REEL WITH AUTOMATIC AND SEMI-AUTOMATIC CHANGEOVER

- Winder with automatic 'non-stop' changeover
- Additional semi-automatic winder
- Bottom or double seal (Shopping bag type)
- Tension control by brushless motors
- High-capacity spindle feed hopper

The TS-RA\*R series, designed for reel-to-reel operation with 'non-stop' automatic changeover, high capacity spindle feed hopper and lift for unloading the finished reels, is additionally equipped with a two-station manual winder that allows, as an alternative to the automatic changeover system, to use the machine with two lanes, with material widths up to 2450mm and thicknesses up to 200 microns.

The machines are equipped with an automatic material tension control system to prevent excessive tension on the still hot seals from stretching the material causing a weakening of the seal or the rupture of the material.

Reel guide on the winding unit to ensure the correct alignment of the edge of the reels, control of the winding tension by means of a pneumatically adjustable dancer according to the thickness and width of the material being produced.

The TS-RA Series allows the production of various types of bags such as bags with bottom seal, side seal (double seal with a pre-cut in the middle, Shopping bag type). They also include accessories for the production of car seat covers, side cutters, continuous perforators, air balloon gusseting machines, single folding triangles, as well as special applications developed specifically for customer requirements.



R24 - C



R25 - C

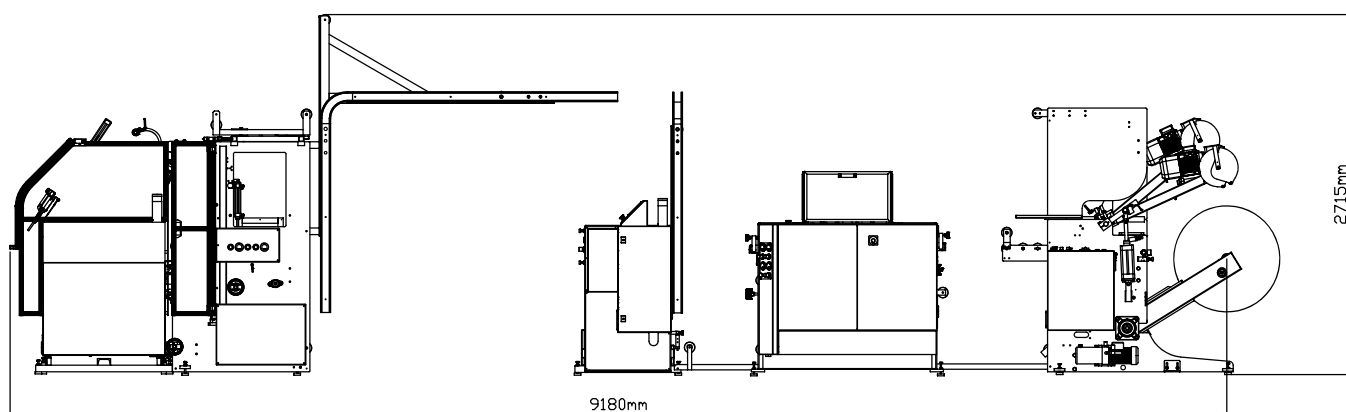


R26 - C



R29 - C





| Technical Characteristics   | Format 1240 | Format 1600 | Format 2000 | Format 2450 |
|-----------------------------|-------------|-------------|-------------|-------------|
| Cycles per minute           | 150         | 150         | 140         | 130         |
| Maximum linear speed        | 140 m/min   | 140 m/min   | 140 m/min   | 120 m/min   |
| Minimum thickness           | 2x10 $\mu$  | 2x10 $\mu$  | 2x10 $\mu$  | 2x15 $\mu$  |
| Maximum thickness RA        | 4x180 $\mu$ | 4x180 $\mu$ | 4x180 $\mu$ | 4x180 $\mu$ |
| Maximum thickness R         | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ | 4x200 $\mu$ |
| Minimum bag length          | 150 mm      | 150 mm      | 150 mm      | 150 mm      |
| Maximum width               | 1000 mt     | 1000 mt     | 1000 mt     | 1000 mt     |
| Maximum rewindable diameter | 380 mm      | 380 mm      | 380 mm      | 380 mm      |
| Minimum rewindable diameter | 420 mm      | 420 mm      | 420 mm      | 420 mm      |



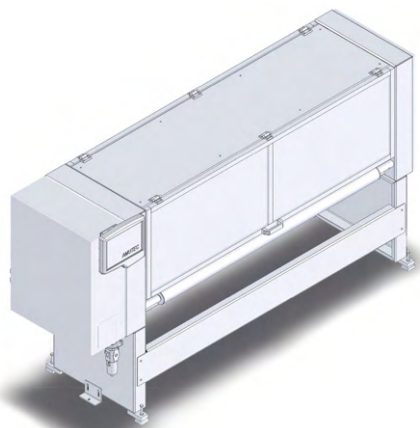
R30 - C



R31 - C



R32 - C

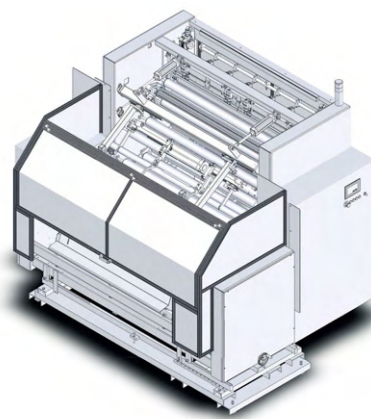


## PL-M 1300/2500

### IN-LINE PRE-CUTTING UNIT WITH EXTRUDER

- Automatic synchronisation with line speed
- Touch-screen operator panel

The pre-cutting unit PL-M is designed to be used in line with extruders to allow the formation of transversal pre-cuts on the material coming from the extruder before being rewound on the collection table. Pre-cutting is carried out by a special titanium-treated steel blade whose speed self-adjusts based on the speed of the extruder. The rotating blade and the contrast, driven by brushless servo-motors, move synchronously based on the feed's speed and the set length. The same operating principle is used in the PL-RA model for both in-line operation with extruder and from reel to reel. In the RA version the pre-cutting unit is inserted in the structure of an automatic winder with spindle feeding from a high capacity hopper, operating in a continuous 'non-stop' cycle with automatic unloading of the finished reels. For the reel-to-reel version there is a peripheral unwinder with hydraulic lift to take the reels to the ground. If the width of the finished reels has to be reduced, the machine can be equipped with a single folding triangle.



## PL-RA 1240/2000

### AUTOMATIC REWINDER WITH IN-LINE PRE-CUTTING UNIT WITH EXTRUDER

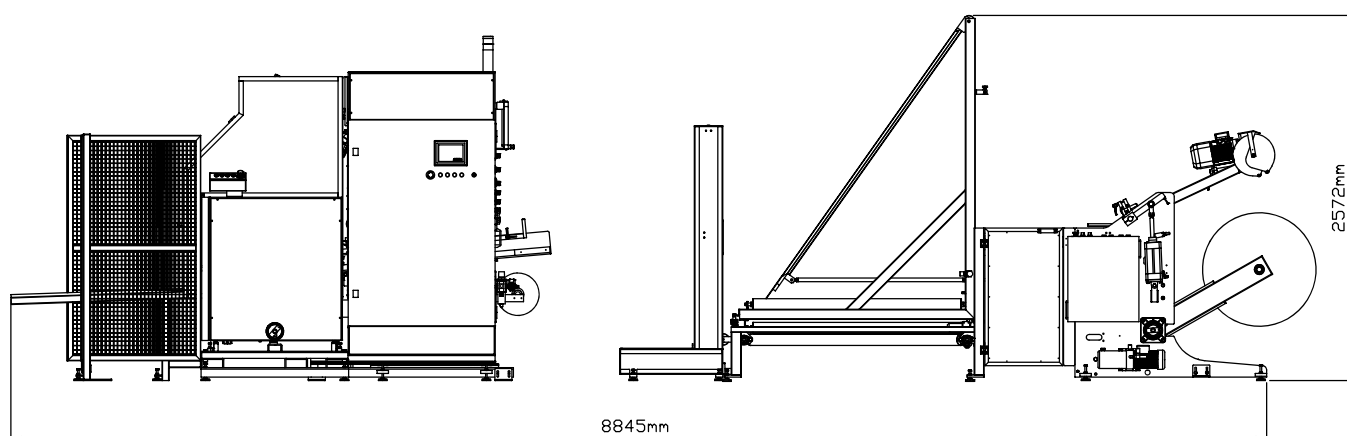
- Production of blanks of various lengths
- Winding on plastic or cardboard cores with automatic changeover cycle
- Automatic in-line reel change



R29 - C



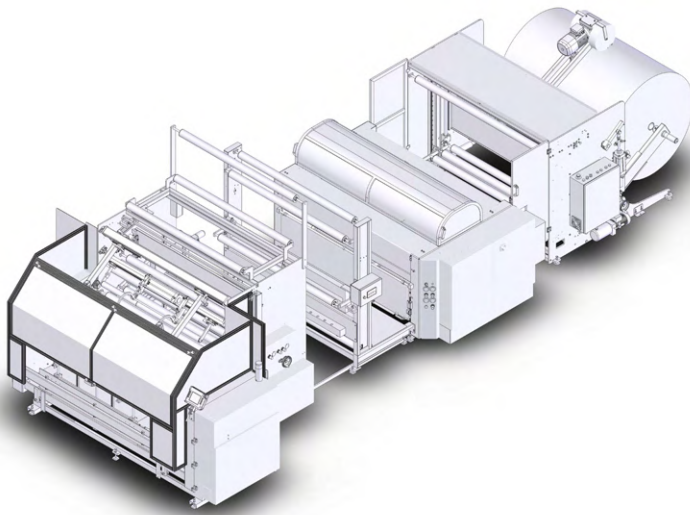
R30 - C



▲ PL-RA

| Technical Characteristics PL-M | Format 1300 | Format 1600 | Format 2000 | Format 2500 |
|--------------------------------|-------------|-------------|-------------|-------------|
| Cycles per minute              | 220         | 210         | 180         | 180         |
| Maximum linear speed           | 100 m/min   | 100 m/min   | 100 m/min   | 100 m/min   |
| Minimum thickness              | 2x10 $\mu$  | 2x10 $\mu$  | 2x15 $\mu$  | 2x15 $\mu$  |
| Maximum thickness              | 4x150 $\mu$ | 4x150 $\mu$ | 4x150 $\mu$ | 4x150 $\mu$ |
| Minimum cutoff distance        | 150 mm      | 150 mm      | 150 mm      | 150 mm      |
| Maximum cutoff distance        | 1000 mt     | 1000 mt     | 1000 mt     | 1000 mt     |

| Technical Characteristics PL-RA | Format 1240 | Format 1600 | Format 2000 |
|---------------------------------|-------------|-------------|-------------|
| Maximum number of changes       | 3 /min      | 3 /min      | 3 /min      |
| Minimum thickness               | 2x10 $\mu$  | 2x10 $\mu$  | 2x10 $\mu$  |
| Maximum thickness               | 4x180 $\mu$ | 4x180 $\mu$ | 4x180 $\mu$ |
| Minimum length                  | 200 mm      | 200 mm      | 200 mm      |
| Maximum length                  | 999 mt      | 999 mt      | 999 mt      |
| Minimum roll width              | 400 mm      | 600 mm      | 600 mm      |
| Maximum roll width              | 1200 mm     | 1600 mm     | 2000 mm     |
| Maximum rewindable diameter     | 360 mm      | 360 mm      | 360 mm      |



# TSA-RA 1240/1640

## REEL-TO-REEL WITH AUTOMATIC CHANGEOVER

- High-performance reel-to-reel machine
- Winder with automatic 'non-stop' changeover
- Bottom or double seal (Shopping bag type)
- High capacity spindle feed hopper

The TSA-RA machine series is designed for high performance reel to reel operation for low/medium thicknesses with automatic 'non-stop' changeover, high capacity spindle feed hopper and a lift for unloading finished reels.

The machine is equipped with an automatic material tension control system to prevent excessive tension on the still hot seals from stretching the material causing a weakening of the seal or the rupture of the material. Reel guide on the winding unit to ensure the correct alignment of the edge of the reels, control of the winding tension by means of a pneumatically adjustable dancer

according to the thickness and width of the material being produced.

The TSA-RA Series allows the production of various types of bags, such as bags with bottom seal, side seal (double seal with a pre-cut in the middle, Shopping bag type). They also allow the installation of accessories for the production of car seat cover bags, lateral cuts, continuous perforators, air balloon fillers, triangle monofolders, angular folding seams, 45° corner seals as well as other special applications based on customer requirements, e.g. preformed bags for automatic packaging machines.



R24 - C



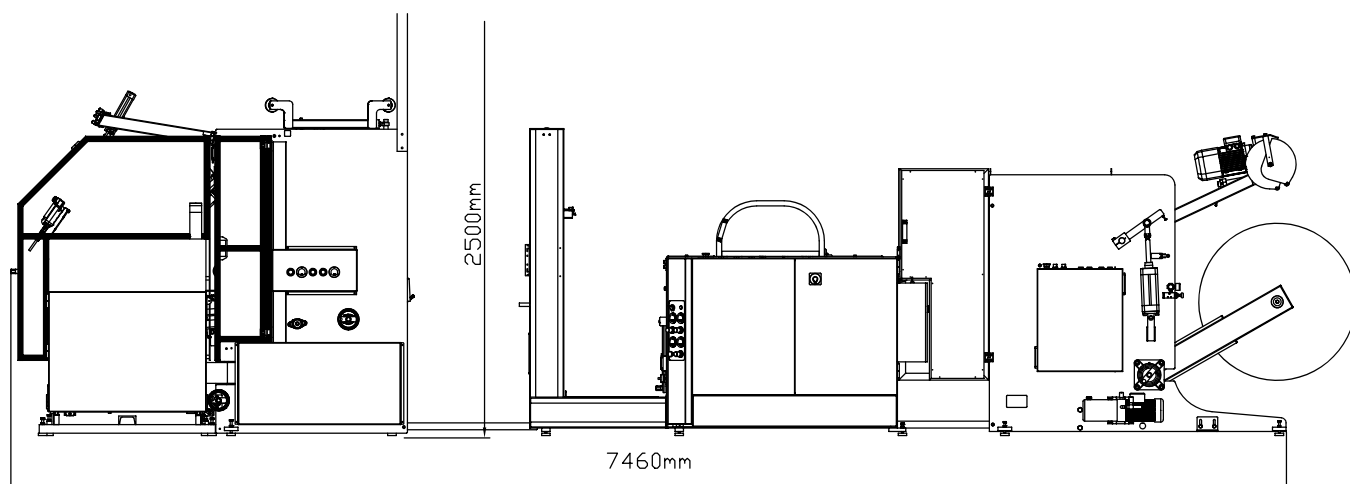
R25 - C



R26 - C



R27 - C



| Technical Characteristics   | Format 1240 | Format 1640 |
|-----------------------------|-------------|-------------|
| Cycles per minute           | 300         | 250         |
| Maximum linear speed        | 180 m/min   | 180 m/min   |
| Minimum thickness           | 2x10 $\mu$  | 2x10 $\mu$  |
| Maximum thickness           | 4x120 $\mu$ | 4x120 $\mu$ |
| Minimum bag length          | 150 mm      | 150 mm      |
| Maximum width               | unlimited   | unlimited   |
| Maximum rewindable diameter | 380 mm      | 380 mm      |



R28 - C



R29 - C



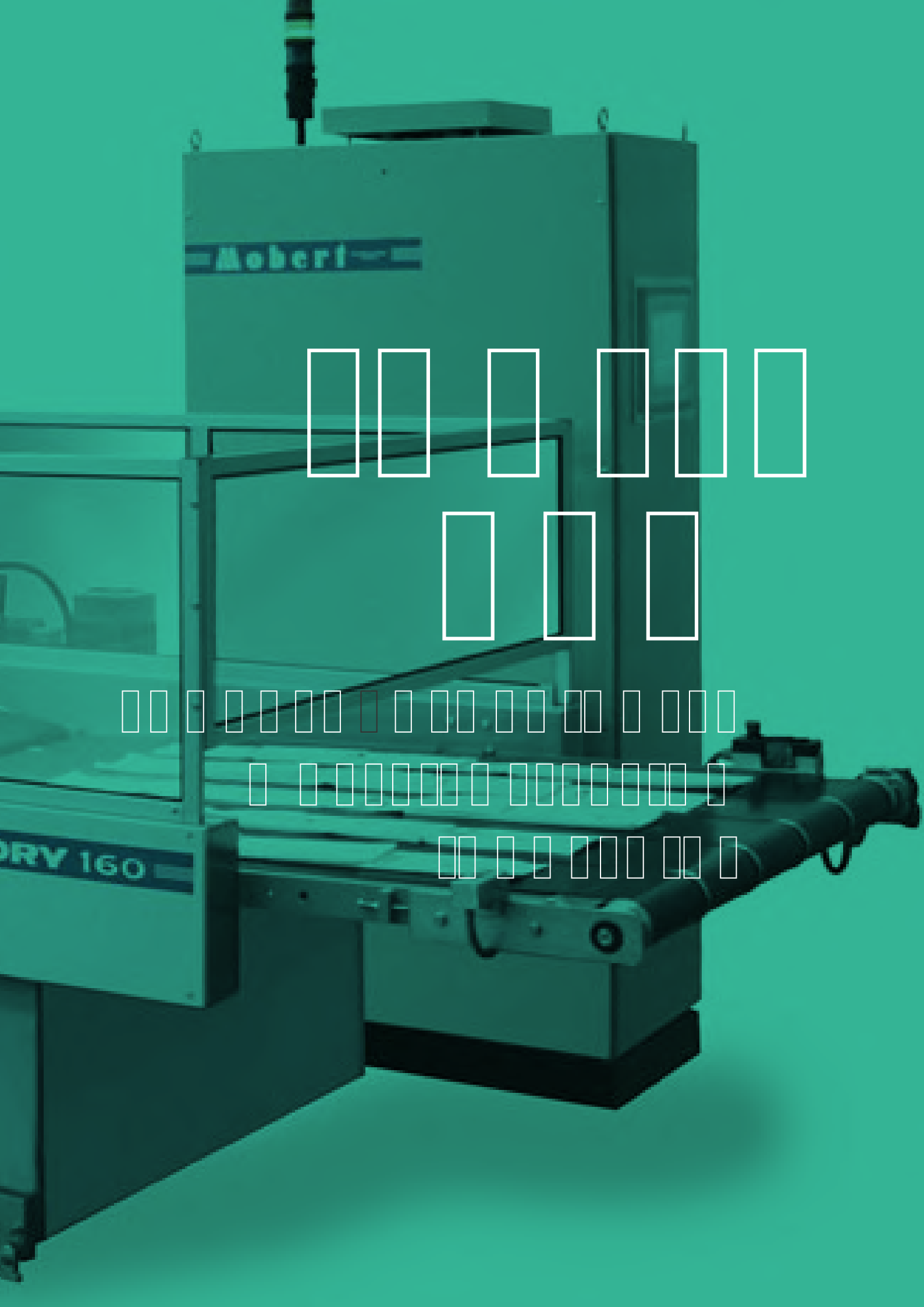
R30 - C



R31 - C

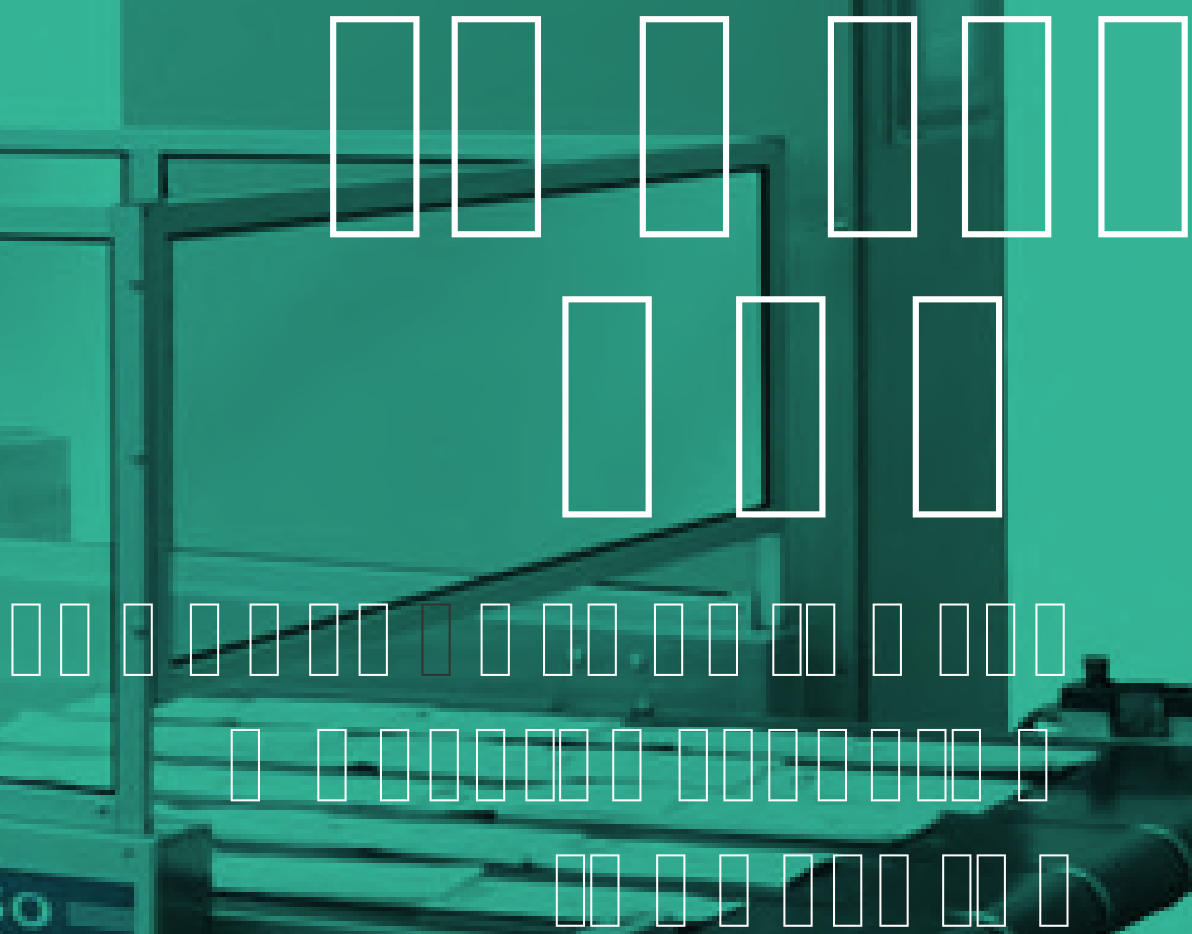


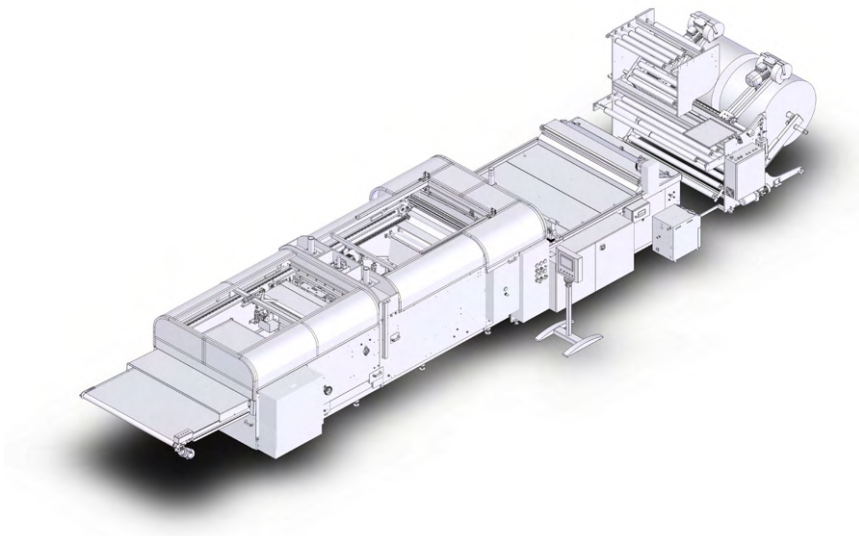




Moberl

RV 160



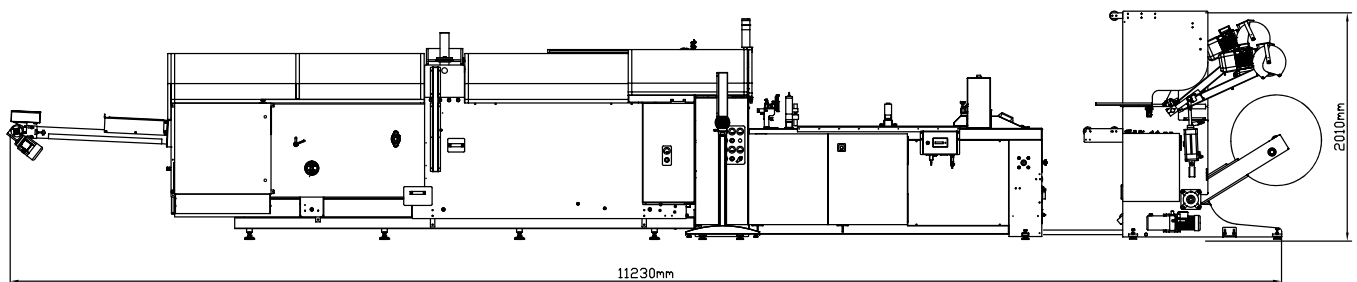


# BPA - BN 1380/1640

## BOTTOM SEAL BAGS

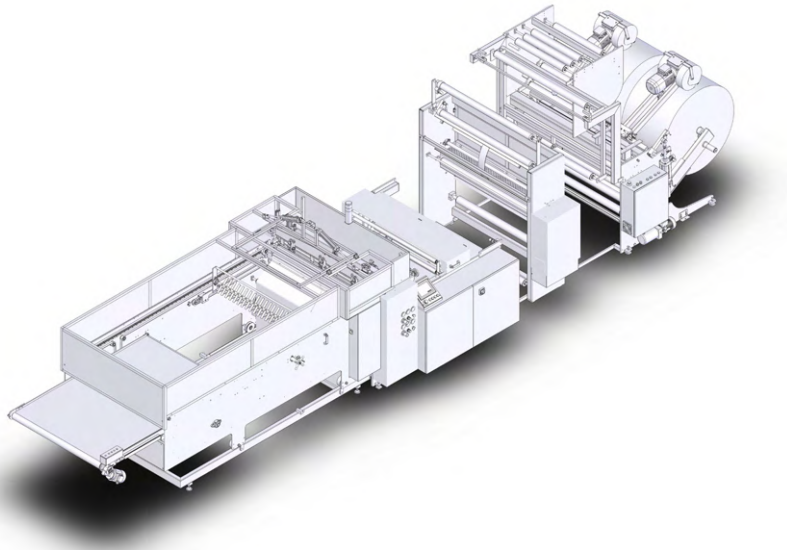
Automatic welding machine for the production of bottom seal bags, synchronisation and tension control by means of brushless servo-motors managed by a custom software, functions controlled by means of a touch-screen operator panel, single or double track reel holder unit with hydraulic lift to pick up the reels from the ground, also available without internal shaft (shaft-less version). Needle stacking system with mobile lower support driven by independent brushless servo-motor, including the welding system to form the clamped bundles. Collecting table with grippers and automatic folder (2 or 4 times the length of the bags) and accumulation belt for the finished bundles, with programmable advancement. Die-cutting unit with servo-motor (mounted on the collecting table), for transversal pre-cutting unit complete with perforators to create the hooking holes; each unit is transversally adjustable according to the format and number of tracks to be produced.

The BPA-BN machine series also includes a wide range of extra functionalities, such as a cutting/sealing unit with nickel-chrome blades with individual temperature control by means of an integrated thermocouple and electronic thermoregulators, centring reel guide, air balloon filler with an independent motorisation and synchronised with the speed of the sealing machine by means of its own dancer, bean die cutting unit, stacked bag clamping system by means of hot punches for the production of bags with hooks, transversally adjustable according to the number of lanes to be produced, hydraulic lift and axial unwinding device with variable speed motor-controlled unwinding, controlled by its own dancer, continuous perforator working synchronously with the sealing bar, single or double lane accessories to making bags with seals, and to make bags with 45° corner seal.



| Technical Characteristics        | Format 1380     | Format 1640     |
|----------------------------------|-----------------|-----------------|
| Max. material width              | 1300mm          | 1600mm          |
| Minimum bag length (multi-track) | 250mm           | 250mm           |
| Maximum bag length               | 2000 / 2500 mm  | 2000 / 2500 mm  |
| Minimum weldable thickness       | 2 x 6 $\mu$     | 2 x 6 $\mu$     |
| Maximum weldable thickness       | 4 x 125 $\mu$   | 4 x 125 $\mu$   |
| Maximum linear speed             | 160 m/min       | 150 m/min       |
| Maximum cadence                  | 200 strokes/min | 190 strokes/min |





# BPA - MP 1140/1640

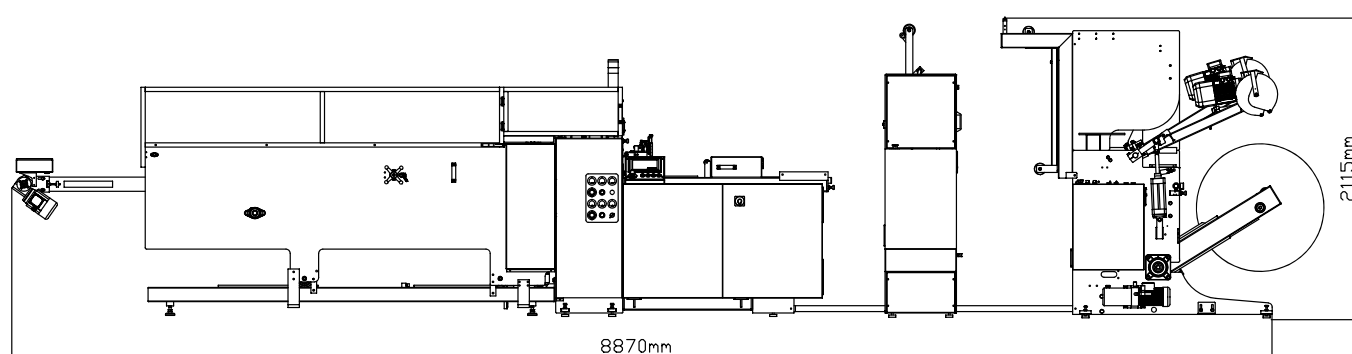
## MULTI-STRIP BAGS WITH BOTTOM SEAMS

- Automatic welding machine (patented)
- Stacking without needles
- Production of up to 8 lanes with bottom seal
- Collecting table with grippers

High speed (200 cycles/min.) automatic bag sealing machine (patented) for the production of small/medium sized bags with bottom seal, starting from large size reels that can be divided into several lanes (up to 8) with the help of cutting/sealing blades, synchronisation and tension control by means of brushless servo-motors managed by custom software, functions controlled by touch-screen operator panel, reel-holding unit with one or two reels with hydraulic lift to grip the reels on the ground, also available without internal shaft (shaft-less version).

Bag stacking, with double needle-free press system, gripper collection table and accumulation belt with programmable feed.

The machine can be equipped with a wide range of accessories such as air balloon filler, continuous or static perforators, lateral and/or longitudinal cutters for the production of individual sheets, multi-lane contact unwinders, etc. The machine's design also allows the possibility of inserting accessories for special bags at the customer's request.

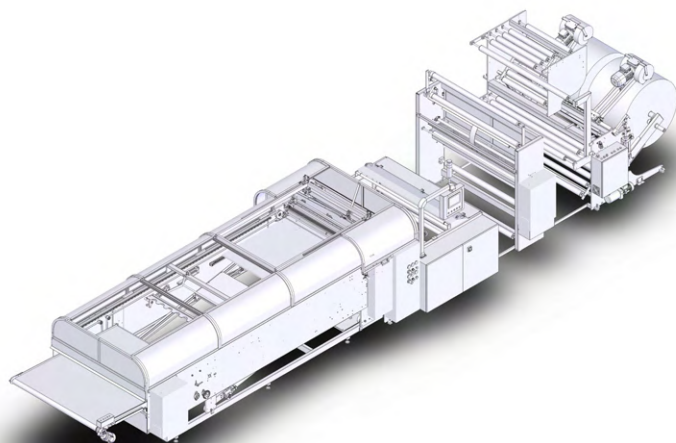


| Technical Characteristics | Format 1140 | Format 1340 | Format 1640 |
|---------------------------|-------------|-------------|-------------|
| Cycles per minute         | 200         | 200         | 185         |
| Maximum number of tracks  | 5           | 6           | 8           |
| Maximum linear speed      | 160 m/min   | 160 m/min   | 160 m/min   |
| Minimum thickness         | 2 x 6 µ     | 2 x 6 µ     | 2 x 6 µ     |
| Maximum thickness         | 4 x 100 µ   | 4 x 100 µ   | 4 x 100 µ   |
| Minimum bag length        | 200 mm      | 200 mm      | 200 mm      |
| Maximum width             | 2.000 mt.   | 2.000 mt.   | 2.000 mt.   |



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# BPA - S 1140/2060

## INDIVIDUAL BAGS WITH BOTTOM SEAL

- Bottom sealing machine (patented)
- Stacking without needles
- Collecting table with grippers
- Folding system up to 8 times the length

Automatic welding machine (patented) for the production of all bottom seal bags, with one or more lanes, synchronisation and tension control by means of brushless servomotors managed by custom software, functions controlled by touch-screen operator panel, reel-holding unit with one or two reels with hydraulic lift to grip the reels on the ground, also available without internal shaft (shaft-less version). The bags can be stacked with a double presser system without needles, gripper collection table which,

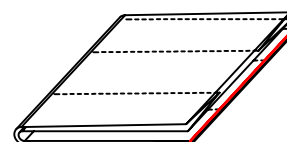
depending on the length of the bags and production requirements, can fold them transversally in two, four or eight times their length or even in a "Z" shape. Possibility to mount a wide range of accessories such as perforators in continuous or alternating mode, cutter/sealer blades, balloon fillers, accessories for the production of bags with 45° corner seals, even in the special version with RA winder that allows the production of bags in rolls.



L8

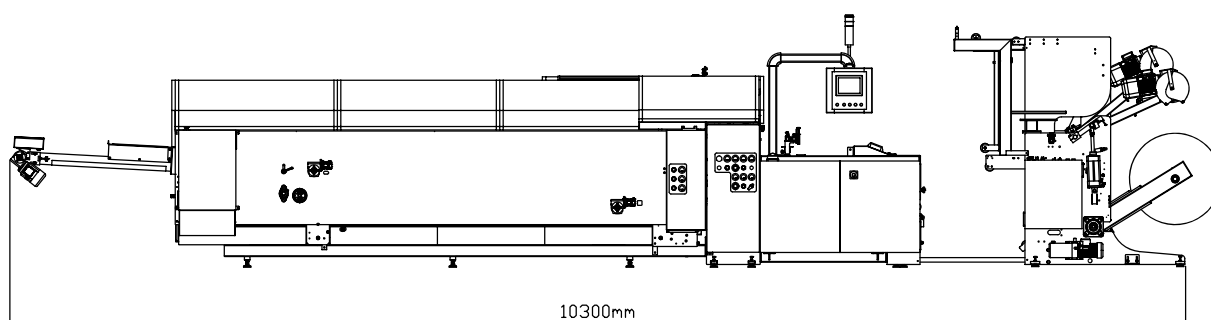
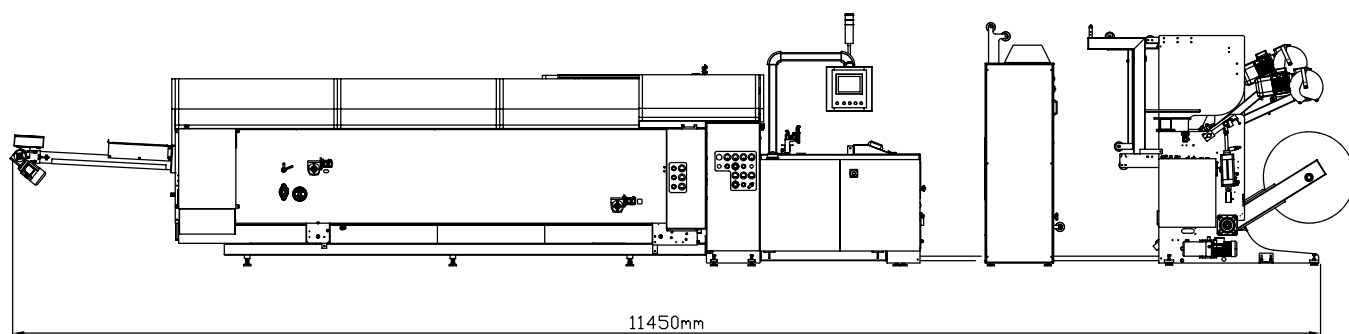


L9



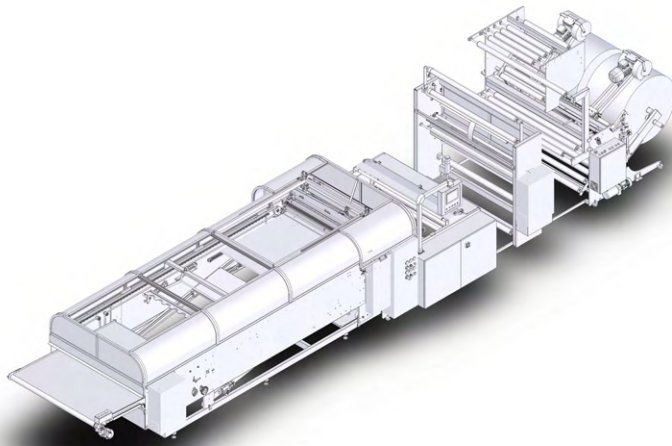
4 PIEGHE





| Technical Characteristics | Format 1140   | Format 1640   | Format 2060   |
|---------------------------|---------------|---------------|---------------|
| Cycles per minute         | 150           | 140           | 140           |
| Maximum linear speed      | 160 mt/min    | 150 mt/min    | 140 mt/min    |
| Minimum thickness         | 2 x 10 $\mu$  | 2 x 10 $\mu$  | 2 x 10 $\mu$  |
| Maximum thickness         | 4 x 250 $\mu$ | 4 x 250 $\mu$ | 4 x 250 $\mu$ |
| Minimum bag length        | 380 mm        | 380 mm        | 380 mm        |
| Maximum width             | 3500/5000 mm  | 3500/5000 mm  | 3500/5000 mm  |





# BPA-POLY 1140/2060

## INDIVIDUAL BAGS WITH BOTTOM SEAL

- Bottom sealing machine (patented)
- Stacking without needles
- Collecting table with grippers
- Folding system up to 8 times the length

Automatic welding machine (patented) for the production of all bottom seal bags, with one or more lanes, synchronisation and tension control by means of brushless servomotors managed by custom software, functions controlled by touch-screen operator panel, reel-holding unit with one or two reels with hydraulic lift to grip the reels on the ground, also available without internal shaft (shaft-less version). The bags can be stacked with a double presser system without needles, gripper collection table which,

depending on the length of the bags and production requirements, can fold them transversally in two, four or eight times their length or even in a "Z" shape. Possibility to mount a wide range of accessories such as perforators in continuous or alternating mode, cutter/sealer blades, balloon fillers, accessories for the production of bags with 45° corner seals, even in the special version with RA winder that allows the production of bags in rolls.



L8



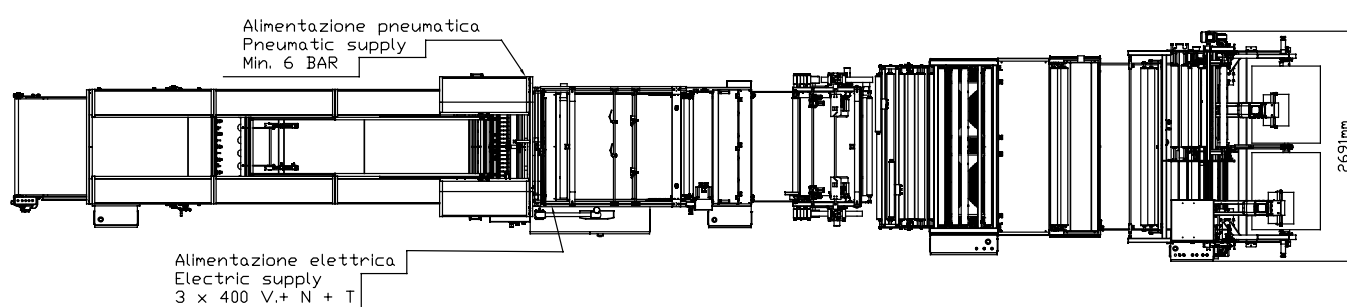
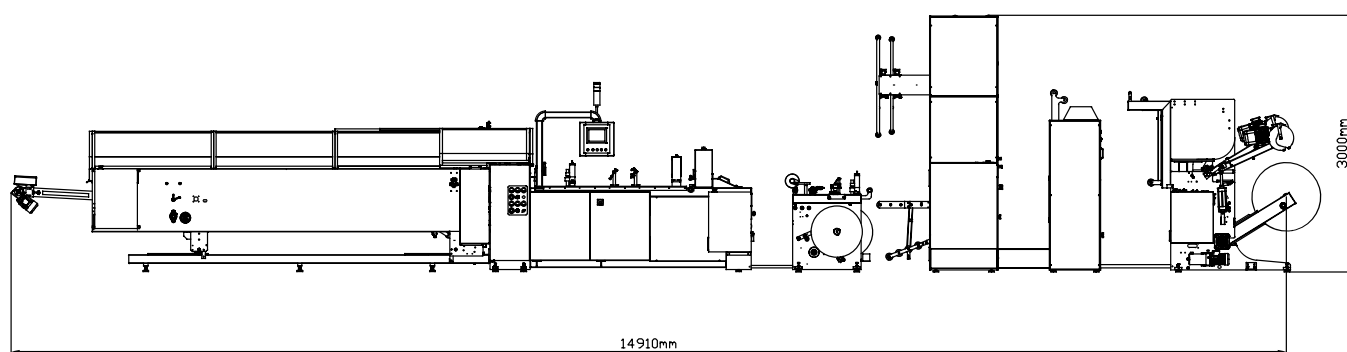
L9



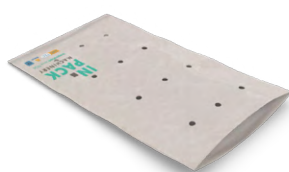
L10



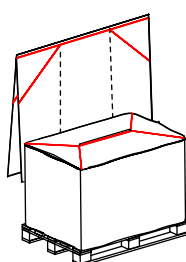
L12



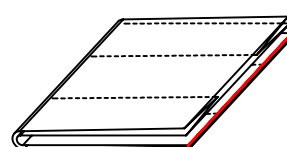
| Technical Characteristics | Format 1140   | Format 1340   | Format 1640   |
|---------------------------|---------------|---------------|---------------|
| Cycles per minute         | 150           | 150           | 140           |
| Maximum linear speed      | 160 mt/min    | 160 mt/min    | 150 mt/min    |
| Minimum thickness         | 2 x 10 $\mu$  | 2 x 10 $\mu$  | 2 x 10 $\mu$  |
| Maximum thickness         | 4 x 250 $\mu$ | 4 x 250 $\mu$ | 4 x 250 $\mu$ |
| Minimum bag length        | 380 mm        | 380 mm        | 380 mm        |
| Maximum width             | 3500/5000 mm  | 3500/5000 mm  | 3500/5000 mm  |



L15



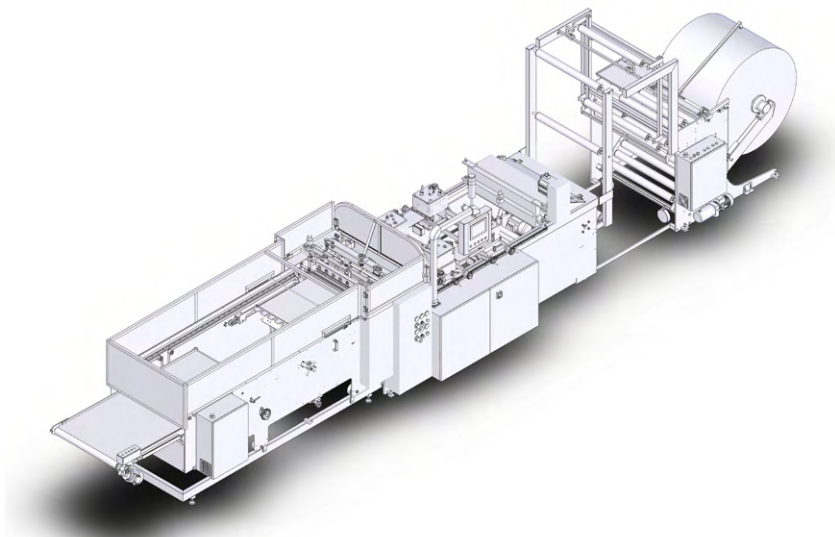
L24 A



4 PIEGHE



8 PIEGHE



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# BPA - FF - S 900

## BOTTOM-SEAL INDUSTRIAL BAGS

- Bottom seal industrial bags
- Pre-welded for thicker materials
- Reel holder ø1450 with axial brake
- Sealing cooling system
- Feed from tubular and/or flat film with tubular forming accessories

Automatic welding machine (patented) for the production of bags with bottom seal, synchronisation and tension control by means of brushless servo-motors managed by custom software, functions controlled by touch-screen operator panel, reel-holding unit with one or two reels with hydraulic lift to grip the reels on the ground, also available without internal shaft (shaft-less version). Bag stacking by means of a double presser system without needles, gripper collection table which,

depending on the length of the bags and production requirements, can perform transversal folding of the bags in twice their length.

In the version dedicated to industrial bags the machine is equipped with a gusset pre-welding unit, a double feeding roller in electric axis to prevent the pre-seals from stretching and a cooling system and separation of the seals during the stacking to avoid bags from sticking to one another.



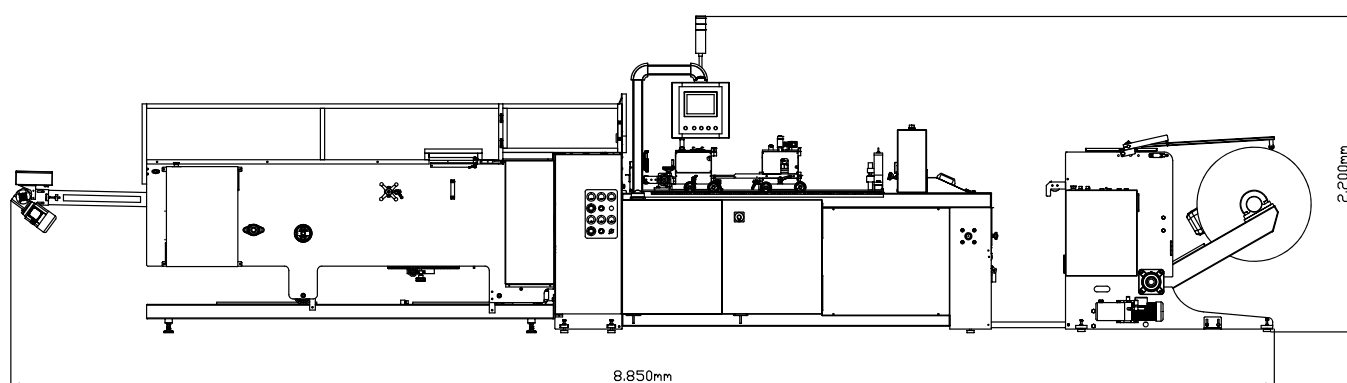
L8



L9



L10



| Technical Characteristics | Format 900    |
|---------------------------|---------------|
| Cycles per minute         | 140           |
| Maximum linear speed      | 160 mt/min    |
| Minimum thickness         | 2 x 10 $\mu$  |
| Maximum thickness         | 4 x 250 $\mu$ |
| Minimum bag length        | 380 mm        |
| Maximum width             | 2.000 mt.     |



L12



L13



L14

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# Delta 110-130

## MACHINES FOR OPEN-MOUTH SHOPPING BAGS

- Specialised line for the high-speed production of Shopping bags and Open-Mouth bags
- Bundle formation on pins at 120 mm from the cutting edge
- Patented Mober film blocking system that allows instantaneous variation of the type of production
- Unique sealing unit handling system with increased sealing time even at high speeds

High speed line for the production of Shopping and Open Mouth bags with pin collection.

Instant change of production type without any change of equipment with a pre-selection from the control monitor.

Possibility of storing and recalling production 'recipes', without changing any data as the type of production changes.

Film advancement with electronic system.

### The welding machine has 4 production types:

NORMAL - Low Density 1100 mm maximum length

FAST - Low Density 650 mm maximum length

RAPID - High Density 650 mm maximum length

NON STOP - High Density 650 mm maximum length

Soldering with Ni-Cr plate controlled with liquid cooling in a closed circuit. Autonomous heat exchanger,

welding temperature of about 30 - 40 °C.

Film clamping system patented by Mober with self-adapting elastic clamps.

Cold cutting with a toothed blade.

Bundle handling system on oscillating platform for anti-welding bonding.

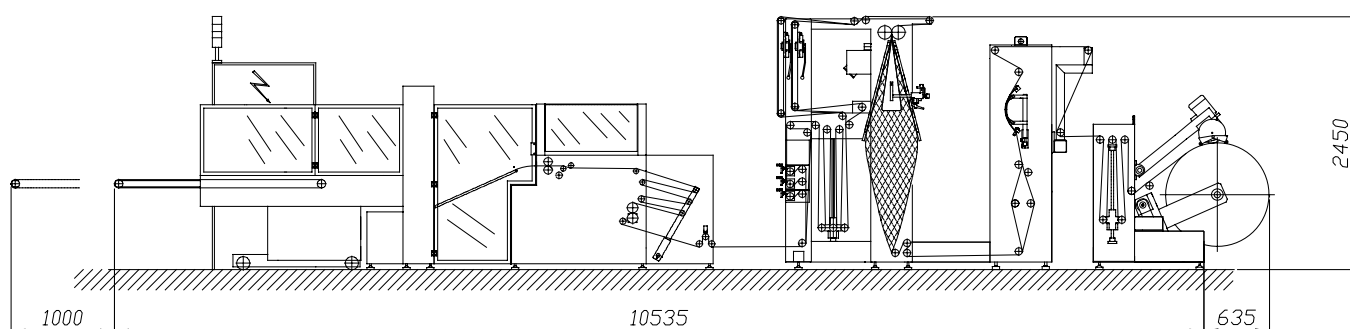
Exclusive Mober system to move the welding unit, which increases the welding time, even at high speeds.

Automaticly compensating rotary plate die cutter for Shopping bags with cutting incidence adjustment device that reduces consumption of PVC discs.

Reel holder, sealer, gusseting and stacking units are available in various versions according to customer requirements.

PACKAGING SHAPER (Patented): This device makes it possible to obtain bundles stretched or folded in packs of up to 500 pieces according to the programming on the panel.





| Technical Characteristics   | Delta 110      | Delta 130      |
|-----------------------------|----------------|----------------|
| Useful welding width        | 1100 mm        | 1300 mm        |
| Minimum bag length          | 350 mm         | 350 mm         |
| Maximum bag length          | 1100 mm        | 1100 mm        |
| Minimum film thickness HPDE | 0.010 mm       | 0.010 mm       |
| Maximum film thickness LPDE | 0.060 mm       | 0.060 mm       |
| Maximum mechanical speed    | 300 cycles/min | 280 cycles/min |
| Maximum film speed          | 180 mt/min     | 160 mt/min     |
| Total power consumption     | 17 Kw          | 18 Kw          |
| Compressed air consumption  | 850 lit/min    | 950 lit/min    |



L1



L2



L6



L7



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# Gamma 80-110-130

## MACHINES FOR OPEN-MOUTH AND SHOPPING BAGS

- Multi-purpose line for the production of Shopping and Open-Mouth bags
- Pinless bundle formation
- Film blocking Mober patented system that allows instantaneous variation of the type of production without changing equipment
- Suitable for a wide range of products, in particular for bags where pinholes are not possible
- Unique handling system of the sealing unit with increased sealing time

Stacking of bags in bundles. On request, equipment for the production of tear-off block bundles. Instant variation of the type of production without any change in equipment with a pre-selection from the control monitor. Film advancement with electronic system.

### The machine has 3 types of production:

NORMAL - Low Density 1400 mm maximum length

FAST - Low Density 650 mm maximum length

NON STOP - High Density 650 mm maximum length

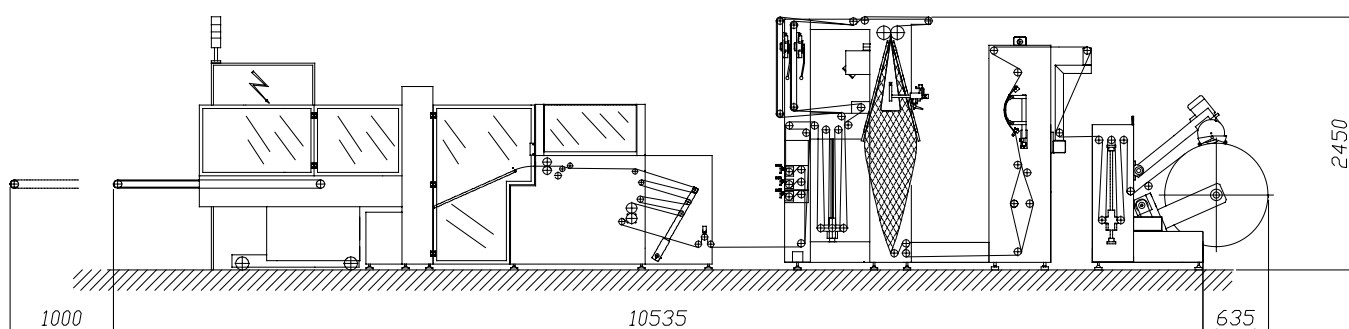
Soldering with Ni-Cr plate controlled with liquid cooling in a closed circuit. Film clamping system patented by Mober with self-adapting elastic clamps.

Cold cutting with a toothed blade.

Exclusive Mober system to move the sealing unit which allows an increase of the sealing time even at high speeds.

Automatically compensating rotary plate die cutter for Shopping bags with cutting incidence adjustment device that reduces the consumption of PVC discs.

PACKAGING SHAPER (Patented): This device makes it possible to obtain bundles stretched or folded in packs of up to 500 pieces according to the programming on the panel. Reel holder groups, weld cutters, gusseting devices and stackers are available in different versions depending on the customer's needs.



| Technical Characteristics   | GAMMA 80       | GAMMA 110      | GAMMA 130      |
|-----------------------------|----------------|----------------|----------------|
| Useful welding width        | 800 mm         | 1100 mm        | 1300 mm        |
| Minimum bag length          | 270 mm         | 270 mm         | 270 mm         |
| Maximum bag length          | 1300 mm        | 1300 mm        | 1300 mm        |
| Minimum film thickness HPDE | 0.008 mm       | 0.008 mm       | 0.008 mm       |
| Maximum film thickness LPDE | 0.060 mm       | 0.060 mm       | 0.060 mm       |
| Maximum mechanical speed    | 200 cycles/min | 200 cycles/min | 200 cycles/min |
| Maximum film speed          | 120 mt/min     | 120 mt/min     | 120 mt/min     |
| Total power consumption     | 16 Kw          | 17 Kw          | 18 Kw          |
| Compressed air consumption  | 700 lit/min    | 800 lit/min    | 900 lit/min    |



L1



L2



L6



L7



# Wrapp 110-130

## BUNDLE BAG MACHINES TEAR-OFF NOTEPADS AND POUCHES OPEN-MOUTH BAGS WITH PIN COLLECTION

- Specialised line for the high-speed production of Open-Mouth bags in normal or tear-off notepad bundles
- Forms bundles on pins at 15 mm from the cutting edge
- Tear-off bundles punched with welding line and with die-cutting and pre-cutting
- Instant change of production type without changing equipment.

High-speed line for the production of block-notes, tear-off bundles and Open-Mouth bags with pin gathering.

N.B. Instantaneous variation of the type of production without any change of equipment.

### Welding machine with 3 production cycles:

NORMAL - Low Density 1400 mm maximum length

FAST - Low Density 650 mm maximum length

NON STOP - High Density 650 mm maximum length

Ni-Cr plate welding machine with liquid cooling in closed circuit.

Mobert-patented film block.

Cold cut with toothed blade.

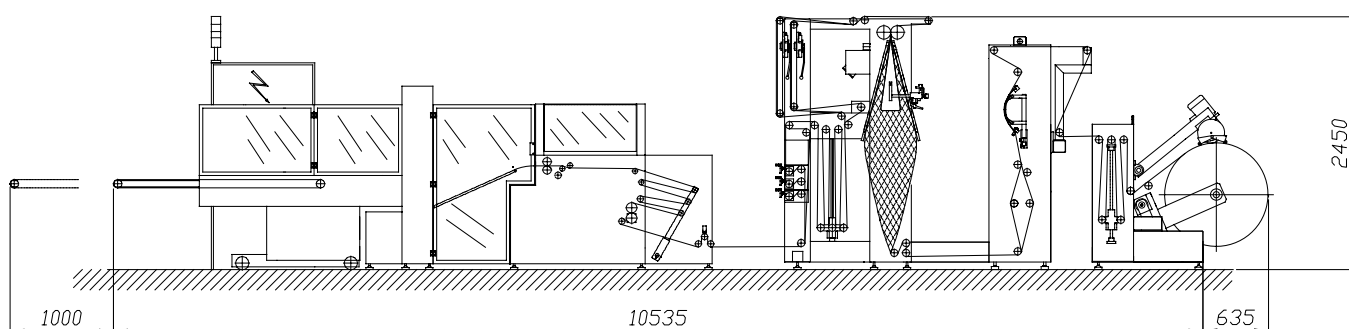
Hydraulically controlled die cutter for pre-cutting and drilling.

Upon request, equipment for bean cutting.

Production data and bag length digitally set on monitor with the possibility to store production 'recipes'. This allows the type of processing to be changed quickly by recalling the previously stored data set at the touch of a button.

Computerised electronic management of the entire production cycle. Control of the main causes of stoppages with instructions displayed on the control monitor.

PACKAGING SHAPER (Patented): This device makes it possible to obtain bundles stretched or folded in packs of up to 500 pieces according to the programming on the panel.



| Technical Characteristics   | WRAPP 110      | WRAPP 130      |
|-----------------------------|----------------|----------------|
| Useful welding width        | 1100 mm        | 1300 mm        |
| Minimum bag length          | 180 mm         | 180 mm         |
| Maximum bag length          | 1300 mm        | 1300 mm        |
| Minimum film thickness HPDE | 0.010 mm       | 0.010 mm       |
| Maximum film thickness LPDE | 0.060 mm       | 0.060 mm       |
| Maximum mechanical speed    | 300 cycles/min | 280 cycles/min |
| Maximum film speed          | 150 mt/min     | 150 mt/min     |
| Total power consumption     | 17 Kw          | 18 Kw          |
| Compressed air consumption  | 850 lit/min    | 950 lit/min    |



L3



L4



L6



L7



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# ESP 110-130

## MACHINES FOR OPEN-MOUTH BAGS WITH PIN COLLECTION

- Specialised line for the high-speed production of Open-Mouth bags in bundles
- Forms bundles on pins at 15 mm from the cutting edge

High-speed line for the production of Open-Mouth bags with pin gathering.

### Welding machine with 3 production cycles:

NORMAL - Low Density 1300 mm maximum length

FAST - Low Density 650 mm maximum length

NON STOP - High Density 650 mm maximum length

Ni-Cr plate welding machine with liquid cooling in closed circuit.

Mober-patented film block.

Cold cut with toothed blade.

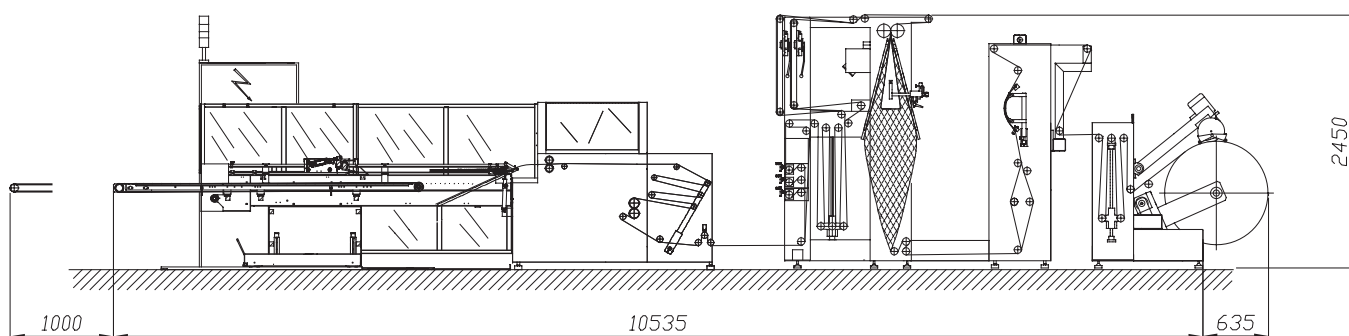
Production data and bag length digitally set on mo-

nitor with the possibility to store production 'recipes'. This allows the type of processing to be changed quickly by recalling the previously stored data set at the touch of a button.

Computerised electronic management of the entire production cycle. Control of the main causes of stoppages with instructions displayed on the control monitor.

PACKAGING SHAPER (Patented): This device makes it possible to obtain bundles stretched or folded in packs of up to 500 pieces according to the programming on the panel. This means that a single operator can pack and control the machine with ease, even for high-speed productions.





| Technical Characteristics   | ESP 110        | ESP 130        |
|-----------------------------|----------------|----------------|
| Useful welding width        | 1100 mm        | 1300 mm        |
| Minimum bag length          | 180 mm         | 180 mm         |
| Maximum bag length          | 1300 mm        | 1300 mm        |
| Minimum film thickness HPDE | 0.010 mm       | 0.010 mm       |
| Maximum film thickness LPDE | 0.060 mm       | 0.060 mm       |
| Maximum mechanical speed    | 300 cycles/min | 280 cycles/min |
| Maximum film speed          | 150 mt/min     | 150 mt/min     |
| Total power consumption     | 17 Kw          | 18 Kw          |
| Compressed air consumption  | 850 lit/min    | 950 lit/min    |



L5



L6



**IN-  
PACK**  
MACHINERY



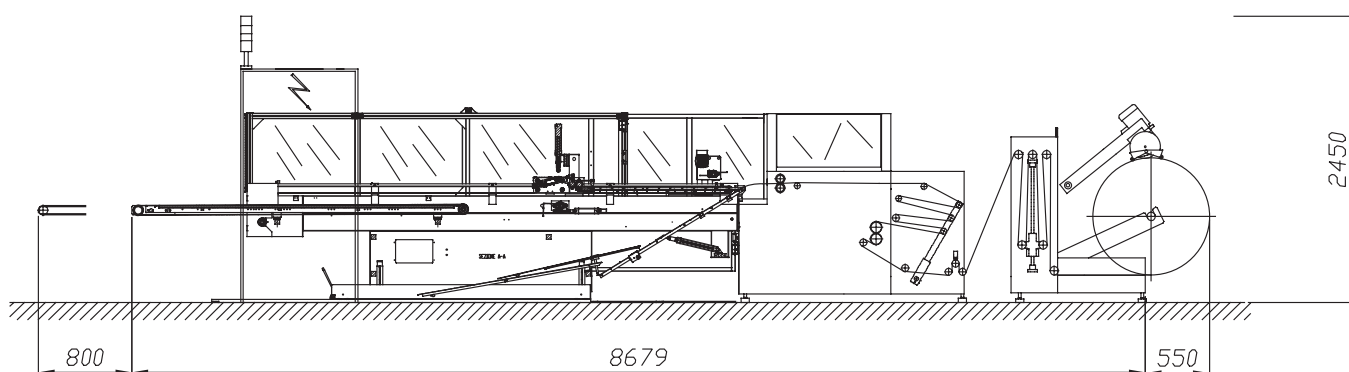
# Gamma 160-200

## MACHINES FOR OPEN-MOUTH BAGS

- Specialised line for the high-speed production of Open-Mouth bags in bundles
- Forms bundles without pins
- Double sealer for bottom and side seals of the bag
- Instant change of type of production without any change of equipment.

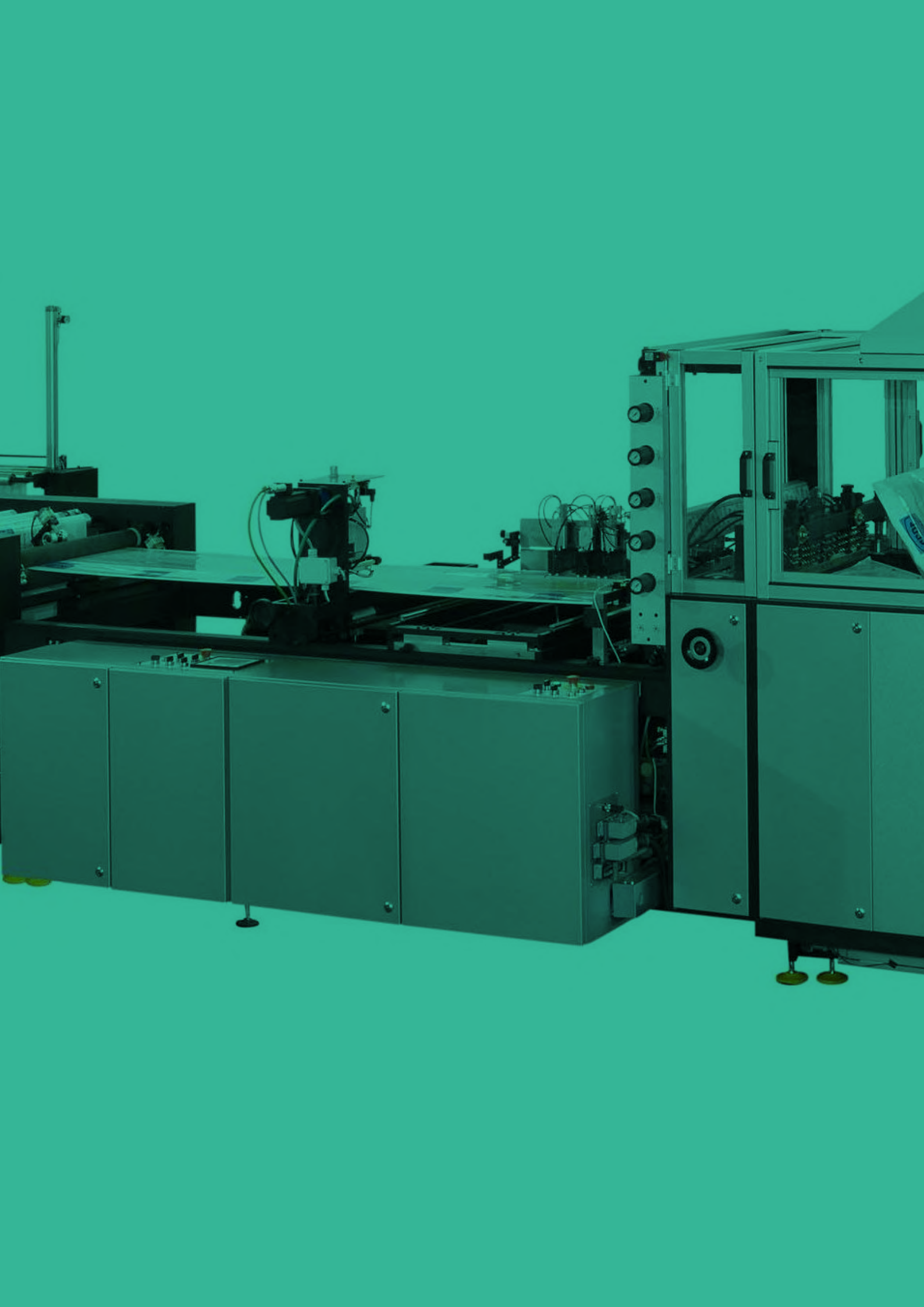
Line for the production of Open-Mouth bags.  
Stacking of bags in bundles without pins.  
Width up to 2 Mt and length of up to 4 Mt.  
Film advancement controlled with an electronic system.  
Sealing with Ni-Cr plate controlled with liquid cooling in a closed circuit. Self-contained heat exchanger, sealing temperature approx. 30 - 40 °C.  
Film clamping system patented by Mober with self-adapting elastic clamps.  
Cold cut with toothed blade.

High-speed carriage movement by means of a computer controlled brushless motor.  
Automatic positioning for bag gripping and bundle unloading with digital "BAG LENGTH" setting.  
Exclusive Mober system to move the sealing unit which allows an increase of the sealing time even at high speeds.  
Allows the user to monitor the electronic control of the working cycles, settings of production data, signalling and instructions for the guided elimination of the cause of stoppages.



| Technical Characteristics   | VICTORY 160    | VICTORY 200    |
|-----------------------------|----------------|----------------|
| Useful welding width        | 1600 mm        | 2000 mm        |
| Minimum bag length          | 350 mm         | 350 mm         |
| Maximum bag length          | 3500 mm        | 3500 mm        |
| Minimum film thickness HPDE | 0.008 mm       | 0.008 mm       |
| Maximum film thickness LPDE | 0.060 mm       | 0.060 mm       |
| Maximum mechanical speed    | 140 cycles/min | 120 cycles/min |
| Maximum film speed          | 120 mt/min     | 120 mt/min     |
| Total power consumption     | 18 Kw          | 18 Kw          |
| Compressed air consumption  | 900 lit/min    | 900 lit/min    |









# Dimatic ETH 471

## LATERALLY WELDED WIRE BAG MACHINES WITH WICKET AND/OR DOUBLE TRACK ON PAD BAGS

Self-monitoring solutions for film skew and print pitch variation have been adopted in order to Automatically adjust the position of the accessories based on the machine's feedback in order to guarantee the extremely

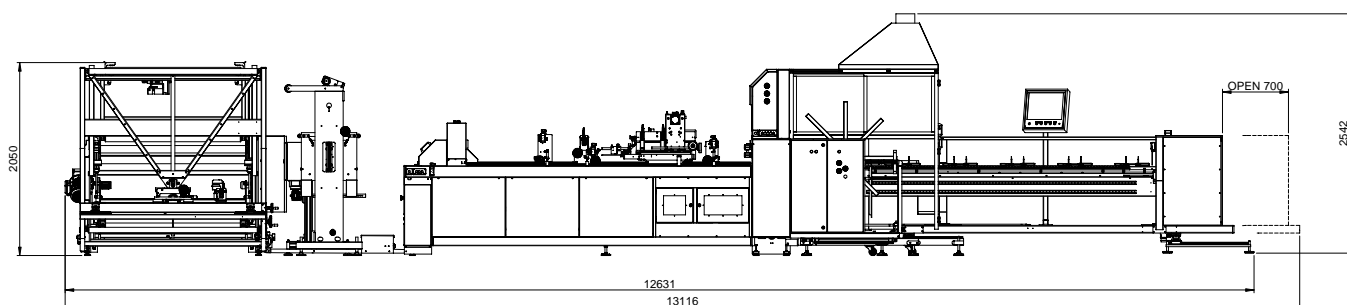
tight tolerances required for this type of packaging. This maximises the productivity of the machine and gives the operator more time to carry out constant checks on product and packaging quality.

Various modular configurations are available to meet all market requirements:

- Bread packaging with bottom gusset and square bottom
- Poultry packaging with rounded bottom and waste removal
- Fish packaging with rounded and welded bottom
- Packaging for fruit and vegetables
- Bags blocked with hot spots and pre-cut tear-off, pad type.
- Packaging for nappies and sanitary napkins with handles welded to the outside or inside of the bottom gusset.
- Toilet paper packaging with strap handle welded on the outside or inside of the bottom gusset.
- Bags for boutiques and Patch handle Toilet paper packaging with moulded handles and glued-in handle reinforcement
- Pouches with zip or tape closure

| Technical Characteristics | ETH 471                               |
|---------------------------|---------------------------------------|
| Available width           | 660 - 880 - 1100 mm                   |
| Minimum bag length        | 100 mm                                |
| Maximum bag length        | 730 mm                                |
| Mechanical speed          | 450 cycles/min (depends on the model) |
| Sliding speed             | 120 mt/min                            |





W1



W2



W3



W4



W5



W6



W7



W8



W9



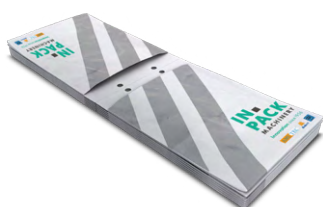
W10



W11



W12



W13



W14



W15



W16



EMS1



EMS3



EMS9



EMS13





□ □ □ □ □

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# Dimatic ETH 101

## MACHINES FOR THE PRODUCTION OF ALL TYPES OF WIRE-WELDED BAGS

Multi-purpose welding machine for the production of all types of bags with lateral wire seal, double shopping bag-type seal, vacuum seal, bottom seal with cold blade cut, flying-knife type.

The machine can process any type of material in one

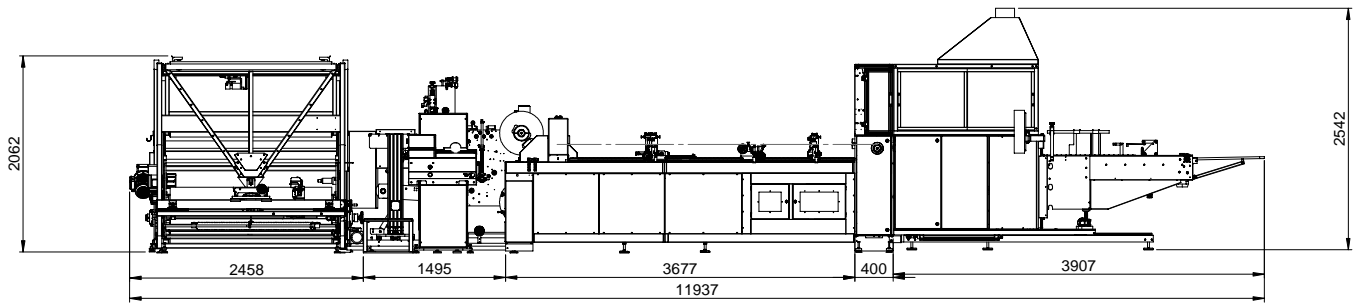
or more lanes. Particularly designed and engineered for ease of operation and quick job changes, low maintenance and optimisation of productivity. The Minimatic 600 version is available for bags with a minimum length of 35 mm.

A wide range of accessories is available:

- Hot stamping die-cutters for round bottom for poultry packaging and gusset pre-welders (pneumatic or servo-motor driven)
- Die-cutters for handles and European holes, with cold (tooth and/or die) and hot cuts
- Longitudinal hot air, contact or ultrasonic welding.
- Accessories for hinge application (zip) also with tape (automatic tape insertion on request)
- Accessories for reinforced welded "Patch" handles
- Accessories for application of rigid plastic handles
- 45° degree sealing unit for square bottom (pneumatic or servo-motor driven)
- Accessories for express courier bags with document pocket, hot-melt glue coating, serial numbers, application of paper labels, etc.
- Accessories for security bags, the transport of valuables and medical specimens
- Accessories for multi-roll bags
- Motorised unwinding unit for removable and permanent double-sided adhesive tapes
- Perforating bridges for folding flaps

| Technical Characteristics | ETH 101                               |
|---------------------------|---------------------------------------|
| Available width           | 660 - 880 - 1100 - 1300 mm            |
| Minimum bag length        | 60 mm *                               |
| Maximum bag length        | 800 mm                                |
| Mechanical speed          | 350 cycles/min (depends on the model) |
| Sliding speed             | 100 mt/min                            |

\* With Minimatic 600 model 35 mm minimum length and 380 mm maximum length



SL1



SL2



SL3



SL4



SL5



SL6



SL7



SL8



SL9



SL10



EMS1



EMS2



EMS3



EMS4



EMS5



EMS6



EMS7



EMS8



EMS9



EMS10



EMS13



EMS14



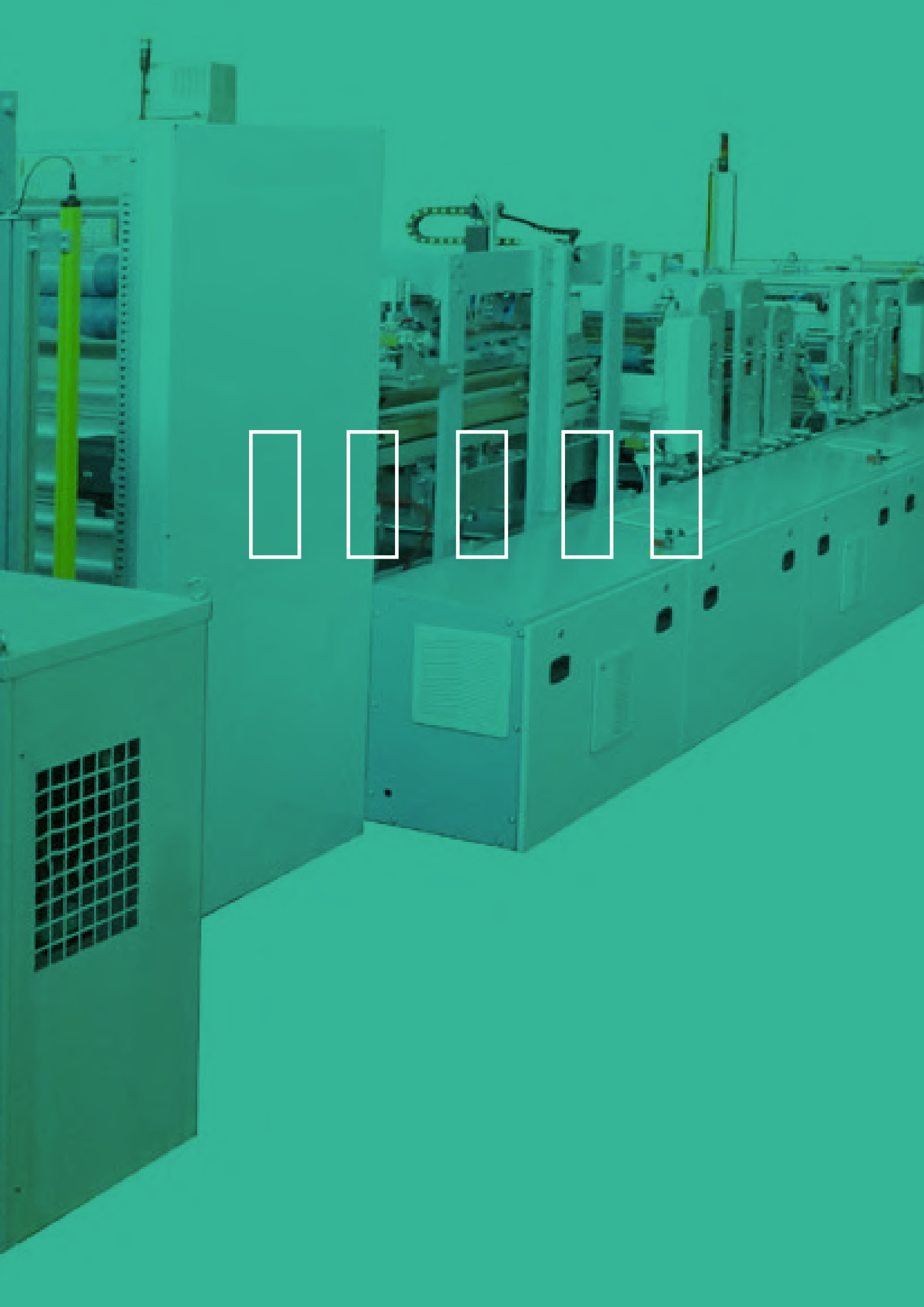
EMS15



EMS16









**IN-  
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MACHINERY



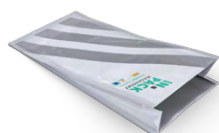
# MPP PF

## AUTOMATIC LINE FOR POUCHES WITH SIDE GUSSETS

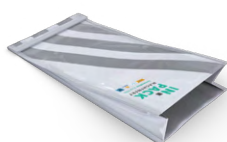
MPP 600 PF LINE produces the following types of pouches:

- Side gusseted pouches with rounded corners and "K" bottom
- Side gusseted pouches with rounded corners and Hot Melt bottom gusset closure
- Pouches with side gusset and bottom folded and glued "PINCH BOTTOM" type for pet food

This line is able to process all PP or PE based laminated films, both neutral and printed Al/Pet laminates, offering high performance and reliability also thanks to some exclusive systems (patented).



P5



P6



P7

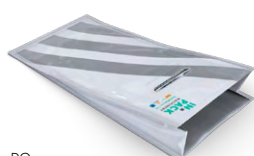


P8



### Technical Characteristics

|                           |                    |
|---------------------------|--------------------|
| Numero bobine             | 1                  |
| Larghezza max bobina      | 1240 mm            |
| Diametro max bobine       | 1000 mm            |
| Diametro anima bobina     | 152 mm             |
| Tipologia di buste        | Soffietti Laterali |
| Numero piste              | 1                  |
| Larghezza buste min - max | 80 - 400 mm        |
| Lunghezza buste min - max | 260 - 1000 mm      |
| Soffietto min - max       | 25 - 200 mm        |



P9



P10



P11

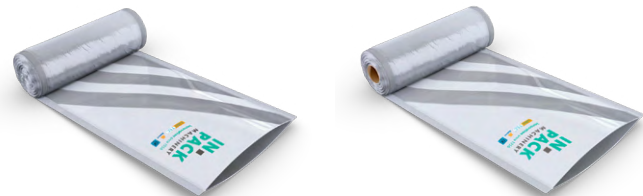


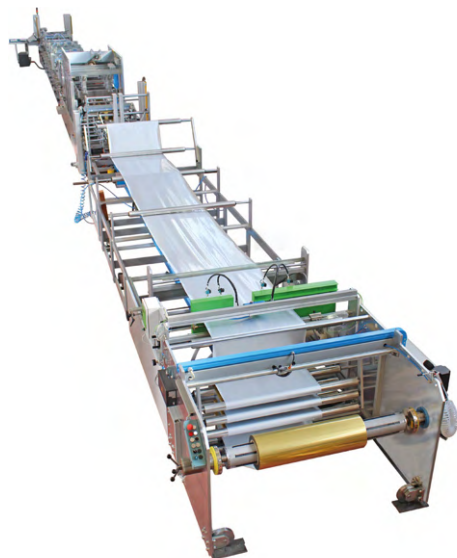
# MPP BPR

## AUTOMATIC LINE FOR VACUUM POUCHES IN ROLLS

- Double reel holder complete with dancer
- Double drive unit with dancer
- 2 longitudinal sealing bars
- 2 longitudinal cooling bars
- Intermediate calender with dancer
- Rolling unit for rolls with/without cardboard core

| Technical Characteristics |                |
|---------------------------|----------------|
| Number of tracks          | 2              |
| Film strip                | 800 mm         |
| Maximum roll diameter     | 110 mm         |
| Mechanical speed          | 200 cycles/min |
| Maximum film speed        | 60 mt/min      |
| Installed power           | 25 Kw          |





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# MPP BCS-V

## AUTOMATIC LINE FOR VACUUM WITH POSSIBLE VALVE HEAT-SEALED BAGS WITH SIDE GUSSETS

The MPP sealing machine is able to produce a pouch with a central fin seal from a single reel.

This line is able to process all PP or PE based laminated films, both neutral and printed Al/Pet laminates, offering high performance and reliability also thanks to some exclusive (patented) systems.

The possibility of constantly upgrading the existing structure with new options makes the MPP a machine that is always ready for new market requirements.

Possibility of adapting various accessories including the valve applicator.

| Technical Characteristics  |                |
|----------------------------|----------------|
| Maximum film strip width   | 940 mm         |
| Maximum roll diameter      | 1000 mm        |
| Minimum pouch size         | 60 x 150 mm    |
| Maximum pouch size         | 220 x 640 mm   |
| Gusset depth max           | 60 mm          |
| Maximum mechanical speed   | 200 cycles/min |
| Maximum film speed         | 60 mt/min      |
| Installed power            | 25 Kw          |
| Compressed air consumption | 600 lit/min    |





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## MPP BP

### AUTOMATIC LINE FOR VACUUM FLAT HEAT-SEALED BAGS

Suitable for making the following types of pouches:  
3-seal pouches from N.2 reels up to 6 lanes Zip pouches (3-seal) with 1 lanes

The MPP machine can process all PP or PE based laminated and co-extruded films, paper/Al/Pet laminates, both neutral and printed, offering high performance and reliability thanks to some exclusive systems.

The possibility of constantly upgrading the existing structure with new options makes the MPP a machine that is always ready for new market requirements.

The MPP is equipped entirely with top quality components and is fully manageable with a remote control and management system that allows you to control, individually and in real time, all the accessories installed and any machine settings.

On the MPP each accessory is servo-motorised and therefore independent, with the future opportunity to upgrade the machine according to new requirements.

| Technical Characteristics  | 1000           | 1200           |
|----------------------------|----------------|----------------|
| Maximum film strip width   | 1000 mm        | 1200 mm        |
| Maximum roll diameter      | 1000 mm        | 1000 mm        |
| Minimum pouch size         | 80 x 75 mm     | 80 x 75 mm     |
| Maximum pouch size         | 800 x 1000 mm  | 800 x 1200 mm  |
| Maximum mechanical speed   | 200 cycles/min | 200 cycles/min |
| Maximum film speed         | 60 mt/min      | 60 mt/min      |
| Installed power            | 25 Kw          | 30 Kw          |
| Compressed air consumption | 600 lit/min    | 600 lit/min    |



P11



P12




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# MPP SUP-Z

## AUTOMATIC LINE FOR POUCHES WITH 3 SEALS | STAND-UP | ZIP

MPP 600 SUP-Z line produces the following types of envelopes:

- 3-seal pouches from No. 1 reel up to 4 lanes
- Stand-Up pouches from No. 1 reel with gusseted bottom
- Zip pouches (3-side seal or Stand-Up) with 1 lane.

This line is able to process all PP or PE based laminated films, both neutral and printed Al/Pet laminates, PE/PO mono materials or laminated paper, offering high performance and reliability also thanks to some exclusive (patented) systems.

| Technical Characteristics  |                |
|----------------------------|----------------|
| Number of reels            | 1              |
| Max. reel width            | 1240 mm        |
| Maximum roll diameter      | 1000 mm        |
| Number of tracks           | 1              |
| Width min - max            | 75 - 400 mm    |
| Length min - max           | 150 - 500 mm   |
| Gusset depth min - max     | 20 - 75 mm     |
| Maximum mechanical speed   | 200 cycles/min |
| Maximum film speed         | 60 mt/min      |
| Installed power            | 25 Kw          |
| Compressed air consumption | 600 lit/min    |



P1



P2



P3



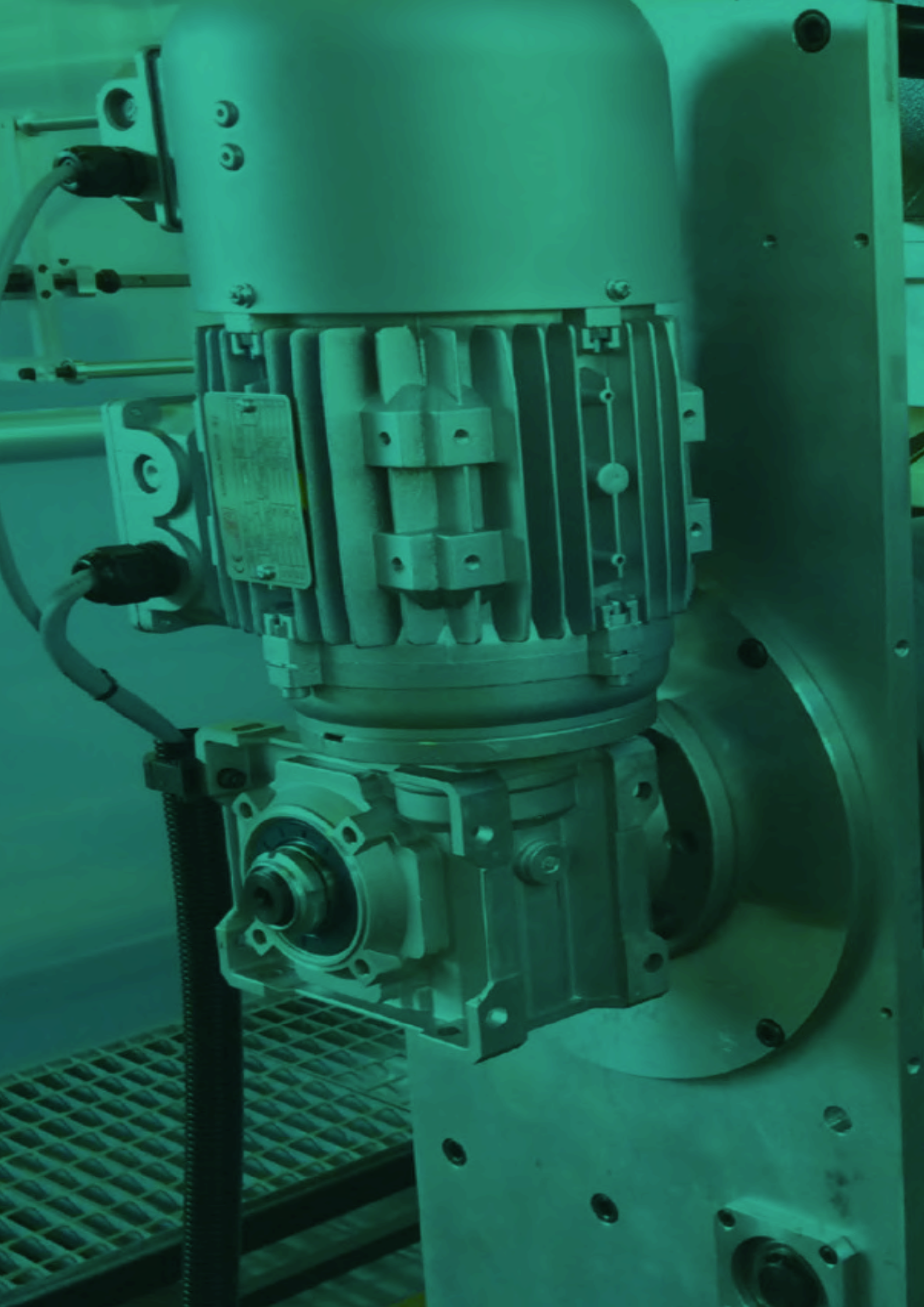
P4



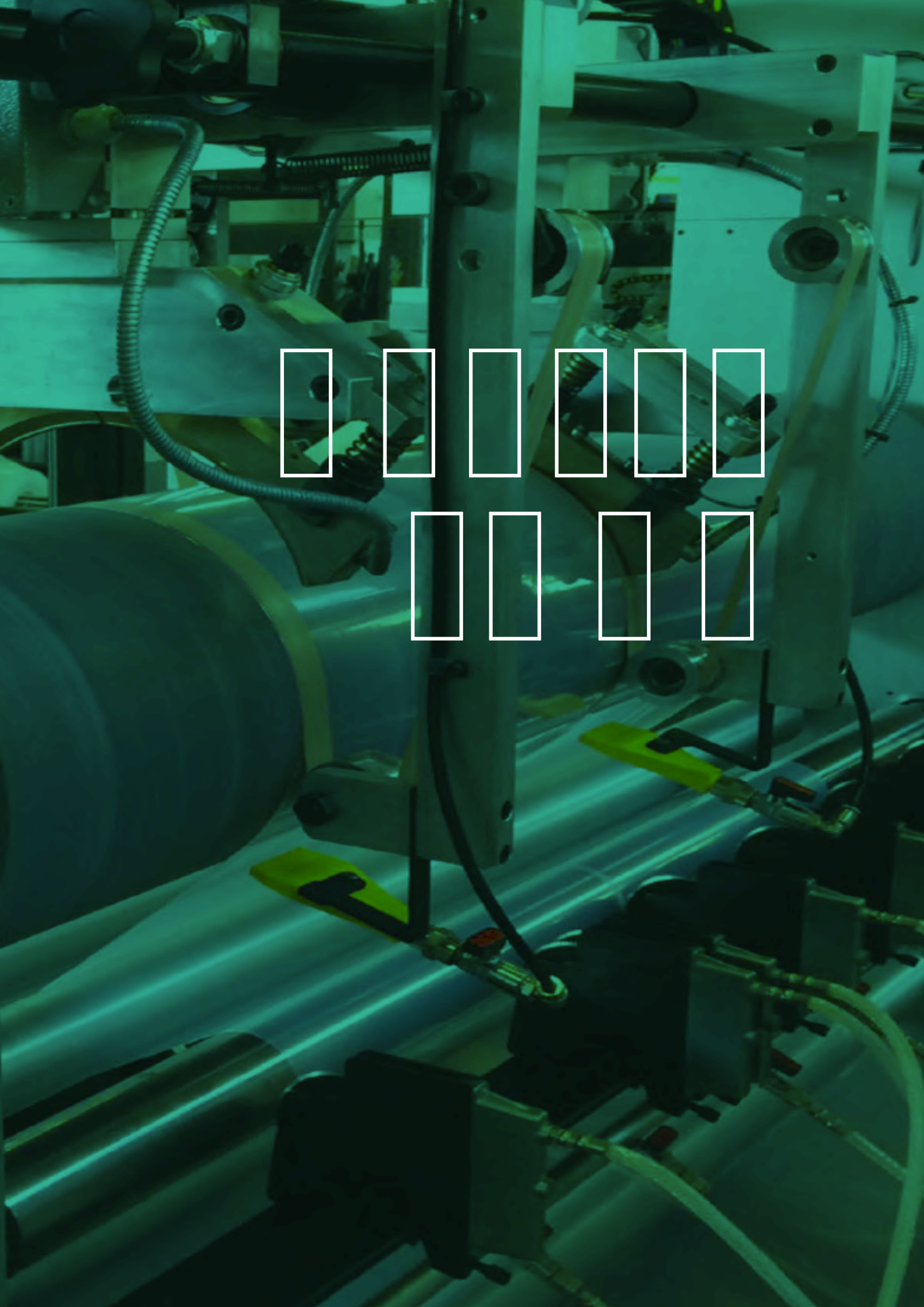
P11



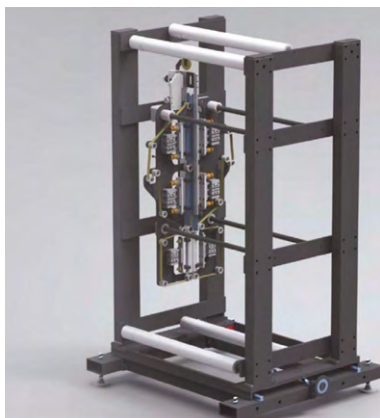
P12







The accessories on this page are only a small part of what we can offer. Please contact our sales department to find the right solution for your needs.



## Zip/velcro

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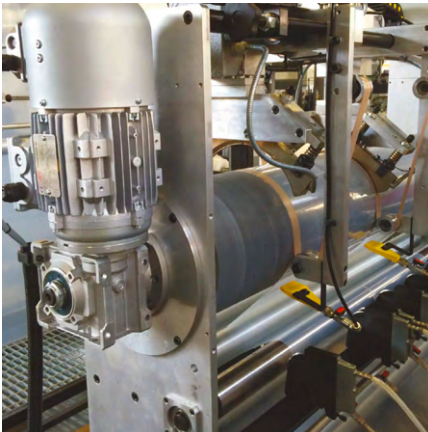
## Blow moulder/ embosser

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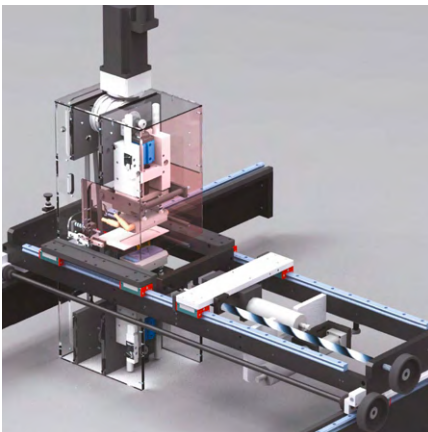
## Perforators

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## Longitudinal welding drum

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## Die-cutter

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## In-line extrusion cutter/sealer

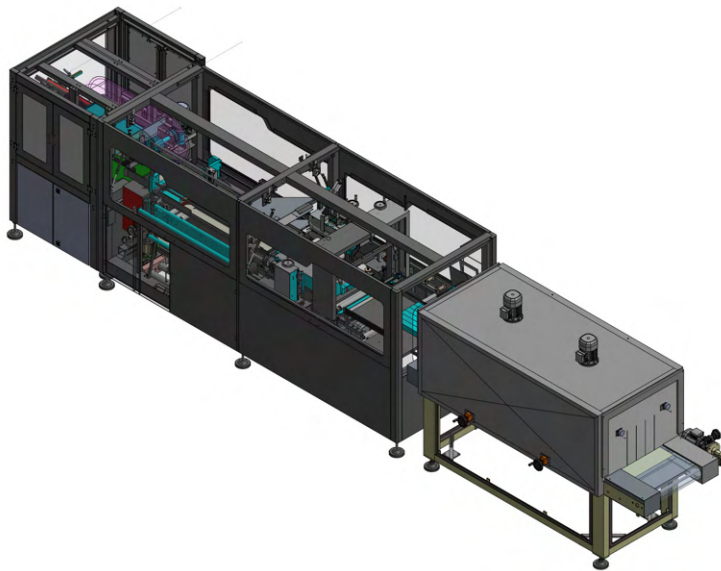
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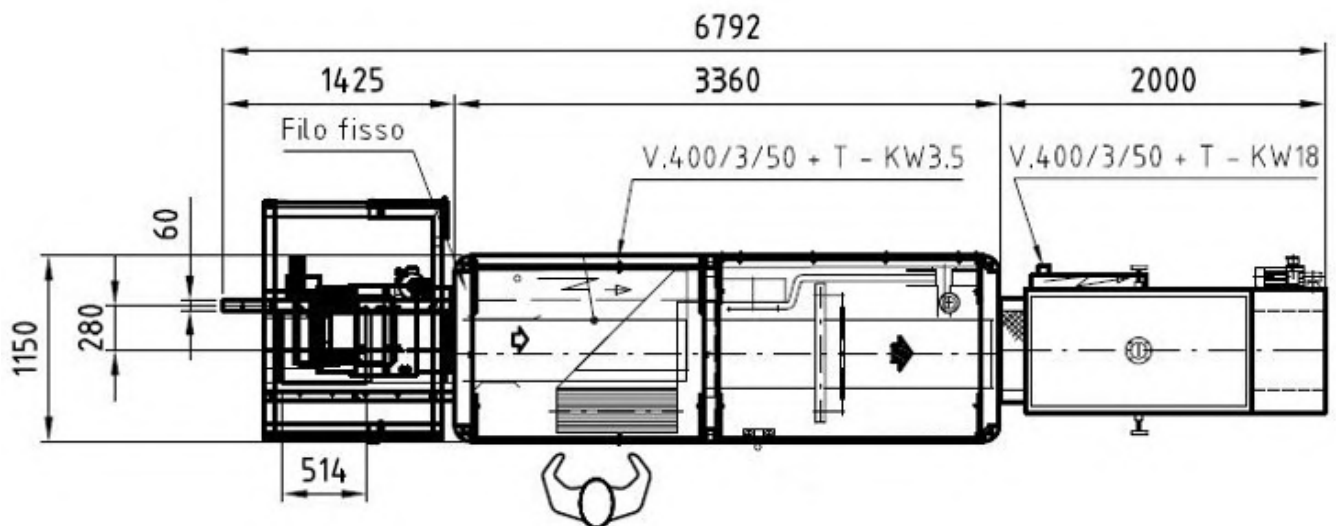
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# AC50 - TRASH BAG

## AUTOMATIC MACHINE FOR THE PRIMARY PACKAGING OF PRODUCTS CONFIGURED TO HANDLE PLASTIC ROLLS FOR FOOD PRESERVATION AND TRASH BAGS

| Technical Characteristics  |   |          |
|--|---|----------|
| Dimensions of single product in input                                      | MIN (mm)  | MAX (mm) |
| Diameter   | 35  | 100      |
| Length   | 120   | 550      |
| Dimensions of final packaging  | MIN (mm)  | MAX (mm) |
| Length   | 120   | 550      |
| Width  | 50  | 380      |
| Height   | 35  | 100      |
| NOTE: (mm) Width + Height + 50 ≤ 750                                       |   |          |
| Max reel diameter  | 300 mm  |          |
| Final result   | Pack fully closed on all sides with lateral longitudinal sealing and transverse sealing on both sides (shrink-wrapped). |          |
| Packaging material   | Neutral polypropylene film (PP), single-folded "C", pre-perforated and shrinkable with a thickness of 15 microns.       |          |
| MAX machine performance<br>(with 15 micron pre-perforated polyolefin film) | Length: 300 mm<br>Diameter: 50 mm   |          |



#### **SINGLE ROLL 1 roll/pack**

Input products: 22.5 rolls/minute

MAX machine output speed: 22.5 packs/minute

#### **COLLECTION A) 2 rolls/bundle (side by side)**

Input products: 45 rolls/minute

MAX machine output speed: 22.5 packs/minute

#### **COLLECTION B) 3 rolls/bundle (side by side)**

Input products: 45 rolls/minute

MAX machine output speed: 15 packs/minute

#### **COLLECTION C) 4 rolls/bundle (side by side)**

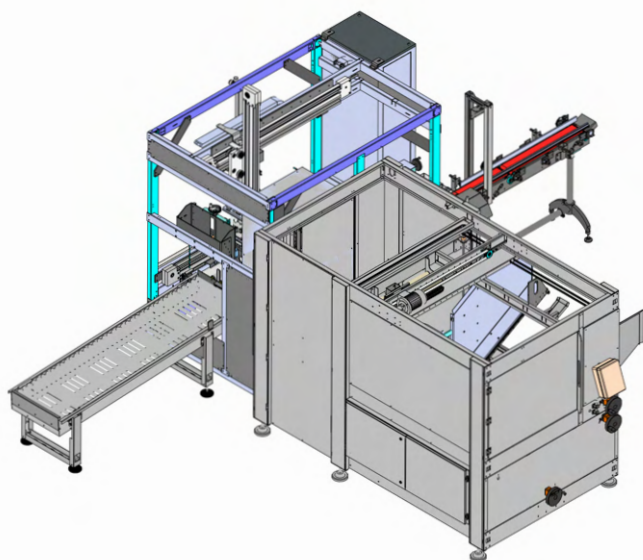
Input products: 45 rolls/minute

MAX machine output speed: 11.5 packs/minute

#### **COLLECTION D) 5 rolls/bundle (side by side)**

Input products: 45 rolls/minute

MAX machine output speed: 9 packs/minute



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# FLEXA - TRASH BAG

## AUTOMATIC CARTON SHAPER COMPLETE WITH BOTTOM TAPING MACHINE

Automatic product wrapping station configured to handle plastic rolls for food preservation and trash bags. It can be completed with an automatic carton closing system.

Motorised belt to connect the packaging machine and the FLEXA case packer.

The layout varies according to customer requirements and available space.

Structure, low-friction 304 mm acetal slat conveyor, adjustable side containment panels, adjustable feet and motorised drive with inverter-controlled gear motor. Worktop height: 900 +/- 50 mm

### BOX DIMENSIONS

A: MIN 300 mm - MAX 500 mm

B: MIN 150 mm - MAX 320 mm

H: MIN 150 mm - MAX 250 mm

### PRODUCT DIMENSIONS

A: MIN 110 mm - MAX 190 mm

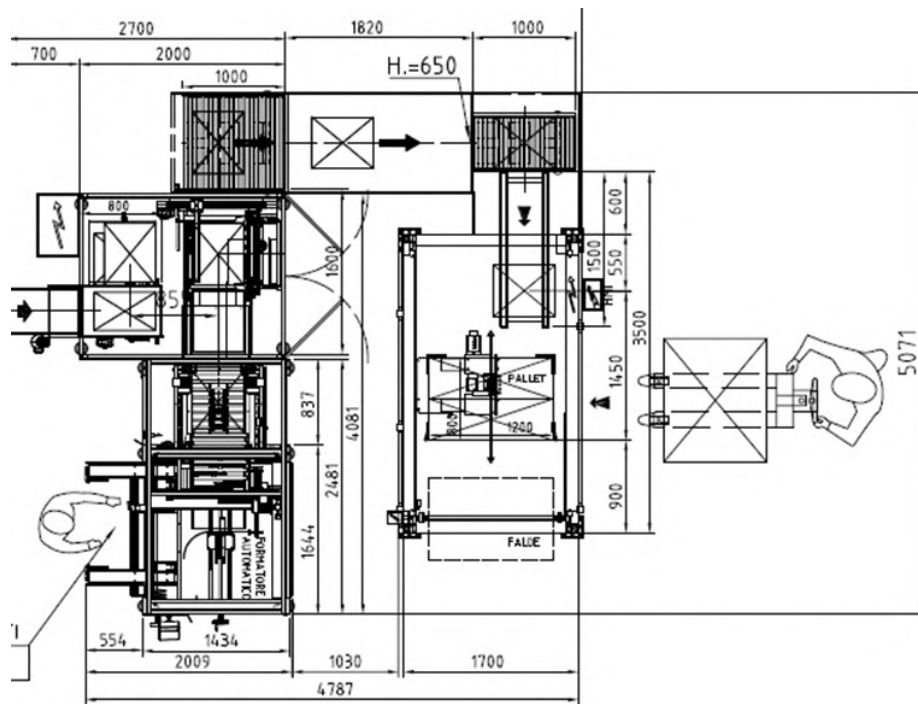
DIAMETER (Machine entry face):  
MIN 35 mm - MAX 80 mm

### WORKABLE MATERIAL

cardboard thickness 3-5mm

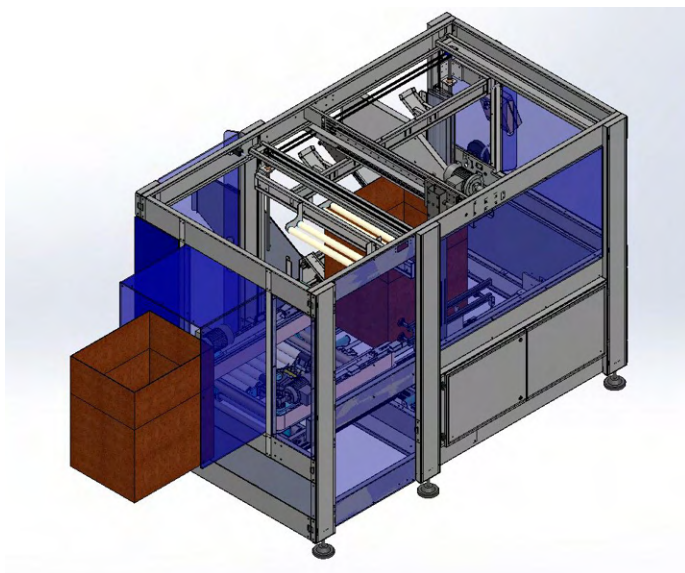
### END RESULT

American box or Display box formed and closed on the underside with adhesive tape.



| Technical Characteristics                                | Semi-automatic   |          | Automatic |          |
|--|--|----------|-----------|----------|
| Product dimensions                                       | MIN (mm)   | MAX (mm) | MIN (mm)  | MAX (mm) |
| Diameter (Front of machine entry)                        | 35   | 80       | 35        | 80       |
| Lenght   | 110  | 190      | 110       | 190      |
| Box Size   | MIN (mm)   | MAX (mm) | MIN (mm)  | MAX (mm) |
| A (Lenght)   | 300  | 500      | 300       | 500      |
| B (width)  | 150  | 320      | 150       | 320      |
| C (depth)  | 150  | 250      | 150       | 250      |
| Workable material  | Box with 3-5 mm thickness  |          |           |          |
| Final result   | American or Display box formed and closed at the bottom with adhesive tape |          |           |          |
| Max. speed   | 60 products input/minute   |          |           |          |
| Max. speed Pick&Place product layer pick-up and deposit) | 10 cycles/minute   |          |           |          |

| Available options  | Semi-automatic | Automatic |
|--|----------------|-----------|
| Vision system with non-conforming product rejection system | ✓              | ✓         |
| Automatic carton closing and taping with adhesive tape     | ✗              | ✓         |
| External adhesive label applicator/spreader                | ✓              | ✓         |



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# CASERECTOR

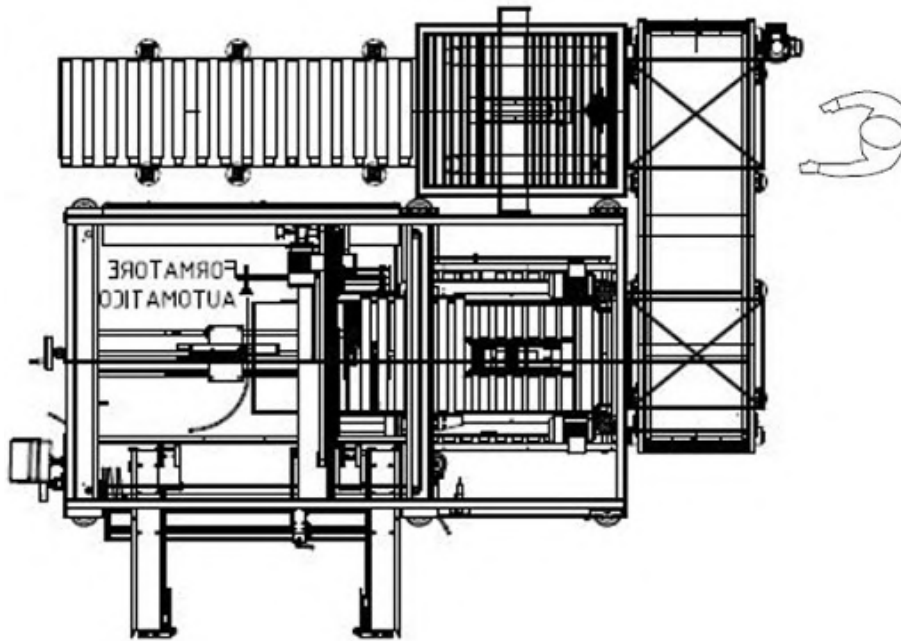
## SEMI-AUTOMATIC PRODUCT PACKING MACHINE

- Motorised modular chain conveyor, length 1000 mm
- Motorized modular chain belt, length 1000 mm
- Upper taping machine
- Idle accumulation roller conveyor (length 2000 mm)

The mechanical arm picks up a box from the cardboard storage area integrated in the machine. The box is opened.

While it is firmly held by the suction cup on the assembly line, a few movements close the lower side and front/rear flaps; this type of handling also enables 'display boxes' with weak cardboard faces to be processed with extreme precision.

The box is then transferred to the next station: here a group of lateral motorised belts carefully position the box for the application of the bottom adhesive tape by the taping head. The box is then ejected with the top open.



### PRODUCT DIMENSIONS

A: 200 mm - 600 mm

B: 150 mm - 500 mm

H: 150 mm - 500 mm

### WORKABLE MATERIAL

cardboard thickness 3-5mm

### FINAL RESULT

American box or Display box formed and closed on the underside with adhesive tape

### SPEED\*

8/10 boxes per minute depending on box type and size

\* The indicated speeds are strictly related to the technical and qualitative characteristics of the cardboard such as pre-cuts, display sides, single or double wave, creasing quality, dimensions of the cardboard itself. The design speeds will be confirmed for each format produced by the Mac Due technical office after checking the complete list of formats and the necessary samples.





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# PALLETISER: PALL&PLAY

## SEMI-AUTOMATIC MACHINE FOR PRODUCT PACKING

The system is ideal to replace manual end-of-line palletising operations that require one or more operators, cost increases, safety risks caused by heavy lifting and high load handling, and poor efficiency.

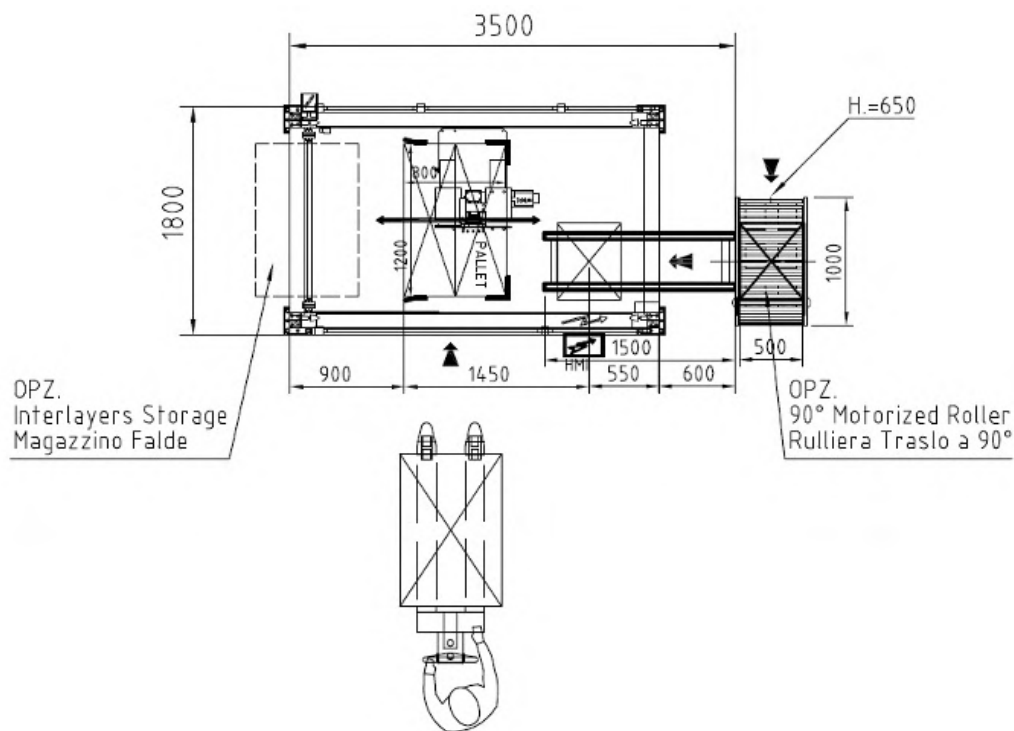
This palletiser is an extremely flexible Plug&Play system. Thanks to its very small size and ease of use, it is easy to position at the end of the line and activate to Automatically manage the box palletising process.

It is equipped with an axis system and an easy and intuitive software interface:

In a few simple steps, set the size of the box format and select the desired palletising pattern to start production immediately.

Thanks to a universal gripper, no mechanical settings are required, making format changes quick and intuitive.

| Technical Characteristics |   |
|---------------------------|---|
| Compressed air            | minimum 6 Bar (approx. 1.5 l per cycle) |
| Installed power           | approx. 2.5 kW                          |



### **PALLET SIZE**

800 mm x 1200 mm (x Height 150 mm)

### **PALLETISING HEIGHT**

2,150 mm product layers

(2,300 mm full pallet height including 150 mm pallet height)

### **WORKABLE BOXES**

Length: min.200-max.600 mm

Width: min.150-max.500mm

*(infeed front on the motorised roller conveyor)*

Height: min.150-max.500mm

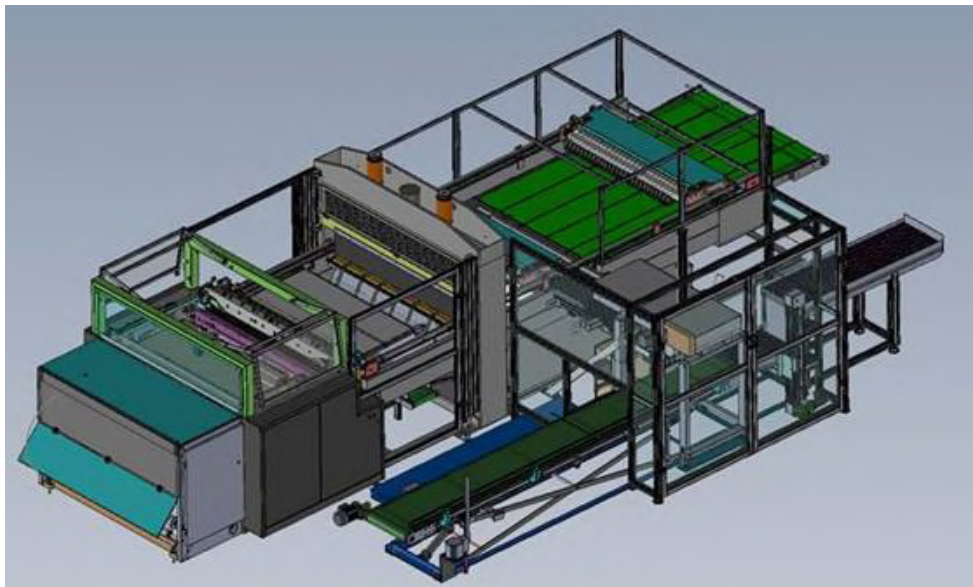
The individual box can weigh up to 20-25 kg.

*(The maximum weight depends on the type and quality of the box, the operating speed and the lifting system, etc.)*

### **SPEED**

Up to 300 boxes/hour (5 cycles per minute)

*(Speed depends on the palletising configuration, the presence or absence of flaps between the layers, the weight, size and quality of the products, the arrival rate of the products, etc.)*

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# Shopping or Loose Bag automatic boxing system

The device allows the boxing of Shopping bag bundles in pre-formed cardboard boxes, in line with the sealing machine. On request it is possible to combine a box former and a box closing system with adhesive tape.

The line can also be equipped with a PATENTED

vision system that checks the quality of the product before it is boxed. The control is done by measuring the width of the handles and the presence or absence of scraps. This system is used as feedback to align the tracks by means of servo-motors positioned on the rear spreaders.

## **BOX DIMENSIONS**

MINIMUM DIMENSIONS:

Width 285mm - Length 255mm - Height 136

MAXIMUM DIMENSIONS:

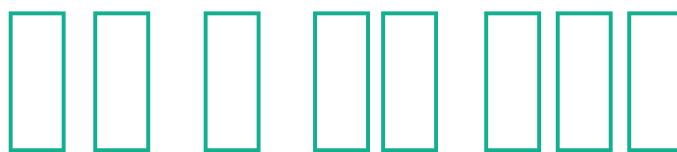
Width 295mm - Length 290mm - Height 250











[WWW.INPACKMACHINERY.IT](http://WWW.INPACKMACHINERY.IT)

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All our machines are designed to process biodegradable materials (EN 13432).

The illustrations and Technical Characteristics in this catalogue are informative and not binding.



# IN- PACK MACHINERY

