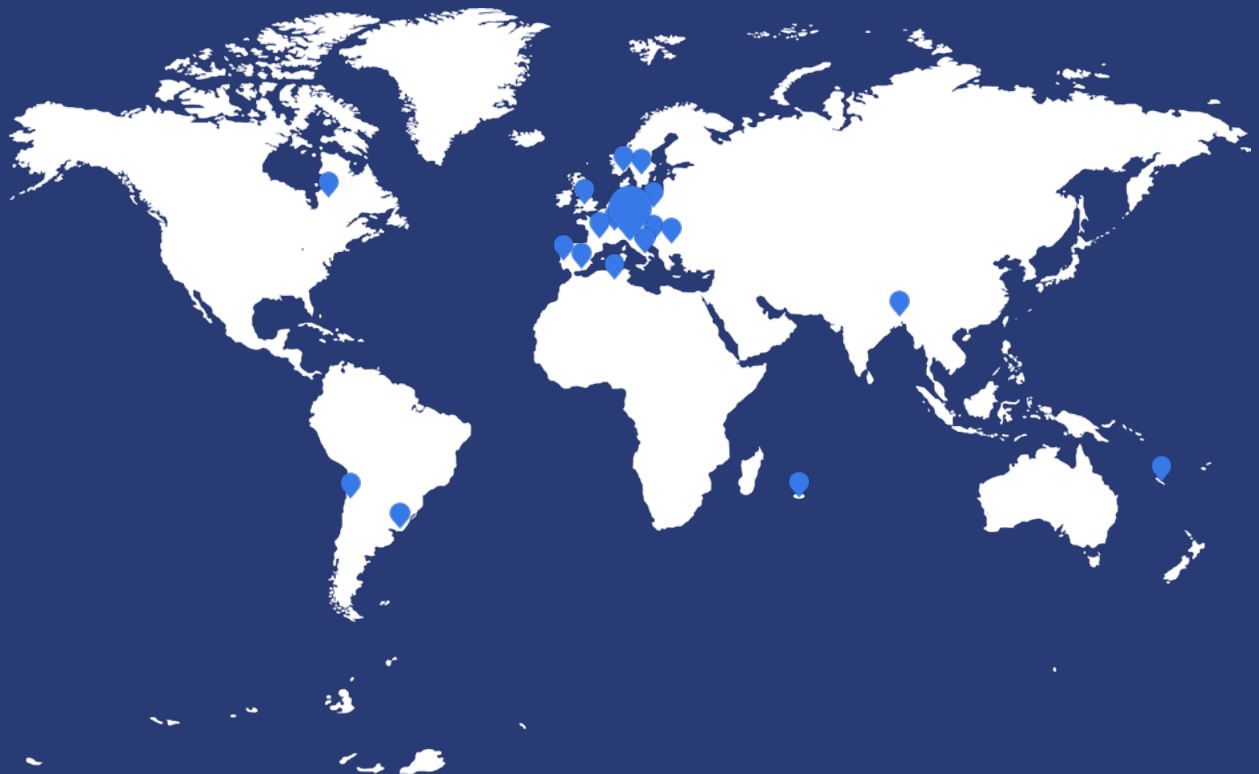




FLEXIBILITY AND EFFICIENCY IN SEALING





WHY CHOOSE BMTEK



BmTeK software for Industry 4.0 and 5.0



Energy saver



48-month warranty



Remote assistance



Spare parts compatible with other brands



Authorized Pearl resellers



Designed, Developed, Manufactured in Italy

WHO WE ARE



Kimatic Srl is a dynamic Italian SME specialized in the development of innovative solutions for industrial automation.

Through its brand BMTEK – Bag Making Technologies, the company designs and manufactures sealing **machines for the converting industry**.

The key strengths of our production lines are MODULARITY and FLEXIBILITY, which allow us to **deliver customized solutions** tailored to each client's specific needs and to evolving market demands.

Our know-how is built on technological innovation, advanced automation, and a tailor-made approach. With a team of over 35 professionals and an active network of installations worldwide, we continuously invest in R&D to improve both productivity and system ergonomics.

Our offer is completed by a highly qualified technical support and spare parts service, provided by our dedicated **After Sales & Service team**.



BMTEK SUSTAINABILITY FOR THE ENVIRONMENT FOR THE FUTURE

At BMTEK, our vision for the future has always shaped our business decisions. We design and manufacture sustainable converting machines that combine high performance with low environmental impact — for a better world.

We recognize that the environment is under increasing pressure from uncontrolled human activity, putting the future of our society at risk. That's why we are committed to minimizing our environmental footprint and maximizing the efficient use of resources.

All our machines and accessories are manufactured using 99% recyclable materials.

BMTEK actively reduces global impact by following these key principles:

- Supporting customers in lowering their carbon footprint through eco-friendly converting solutions
- Maximizing the end-of-life environmental value of our products
- Partnering with suppliers who adopt sustainable practices
- And, of course, listening to our customers' needs

We continuously invest in new technologies to reduce energy consumption and noise emissions, including the elimination of cooling systems for sealing.

BMTEK was also among the first in the industry to adopt composite materials, achieving energy savings of over 70%.

Thanks to energy-saving measures, regenerative motion systems, and the complete removal of cooling systems, BMTEK lines deliver verified energy consumption reductions of over 32% compared to competing solutions.

IN-LINE WITH EXTRUSION

IN-LINE BUFFER



AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

If there is no pulling element between the extruder and the in-line system, BMTEK recommends the installation of a pull-calender.

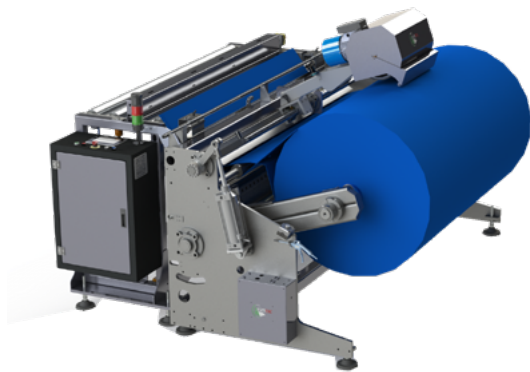
This device allows the machine to be used directly in the extrusion line, making it ideal for those looking to optimize production by eliminating reel handling.

UNWINDERS

MOTORIZED

MPLR SHAFTLESS

- ✓ Shaftless motorized unwinder
- ✓ 1 or 2 lanes
- ✓ Hydraulic reel lifting
- ✓ Pneumatic activation for reel centering



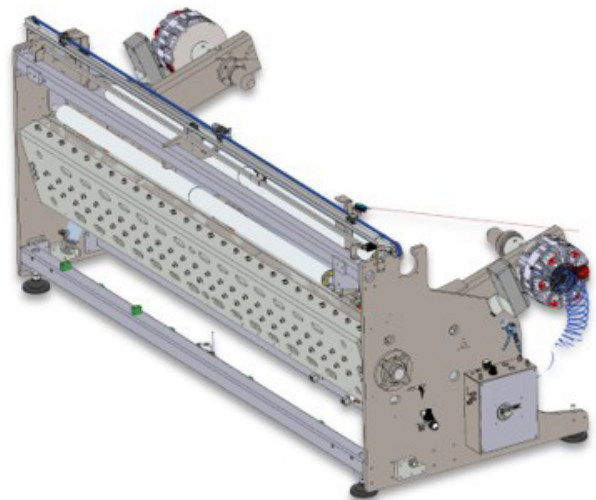
AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

MAX REEL DIAMETER: Ø 1250 MM

HLB SHAFTLESS

Shaftless expanding unwinder equipped, as standard, with a hydraulic lifter for reel pickup directly from the pallet, and with an automatic edge guide system to optimize downstream processes on the machine or connected accessories.

It ensures maximum precision and ease of reel centering.



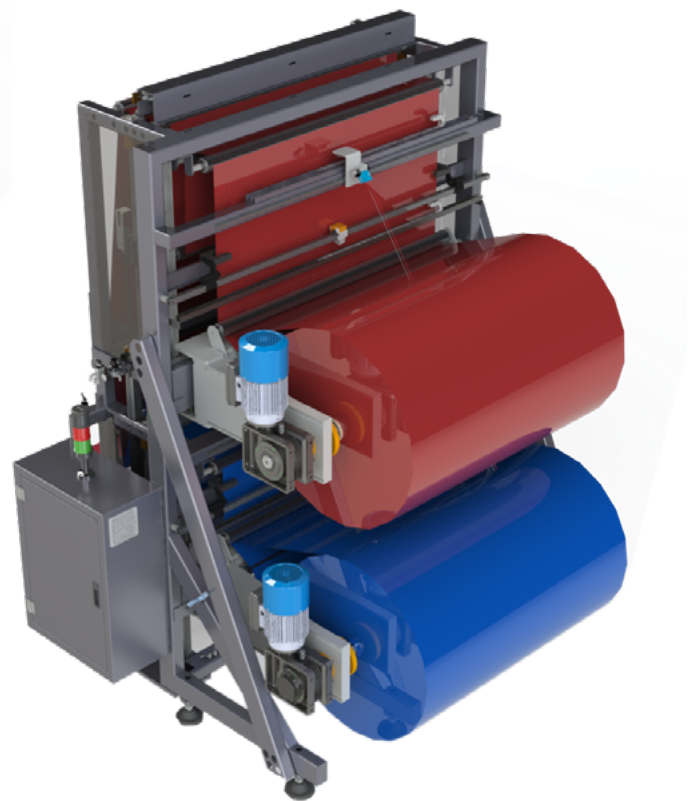
AVAILABLE WIDTHS | 1250 | 1500 | 2200

MAX REEL DIAMETER: Ø 1250 MM

UNWINDERS

MOTORIZED

PBA



Axial powered unwinder available for 1 or 2 lanes, equipped with expanding shaft, side drive, buffer for speed regulation, independent reel-level sensor for each lane.

Optional: Edge guide and center guide sensors upon request.

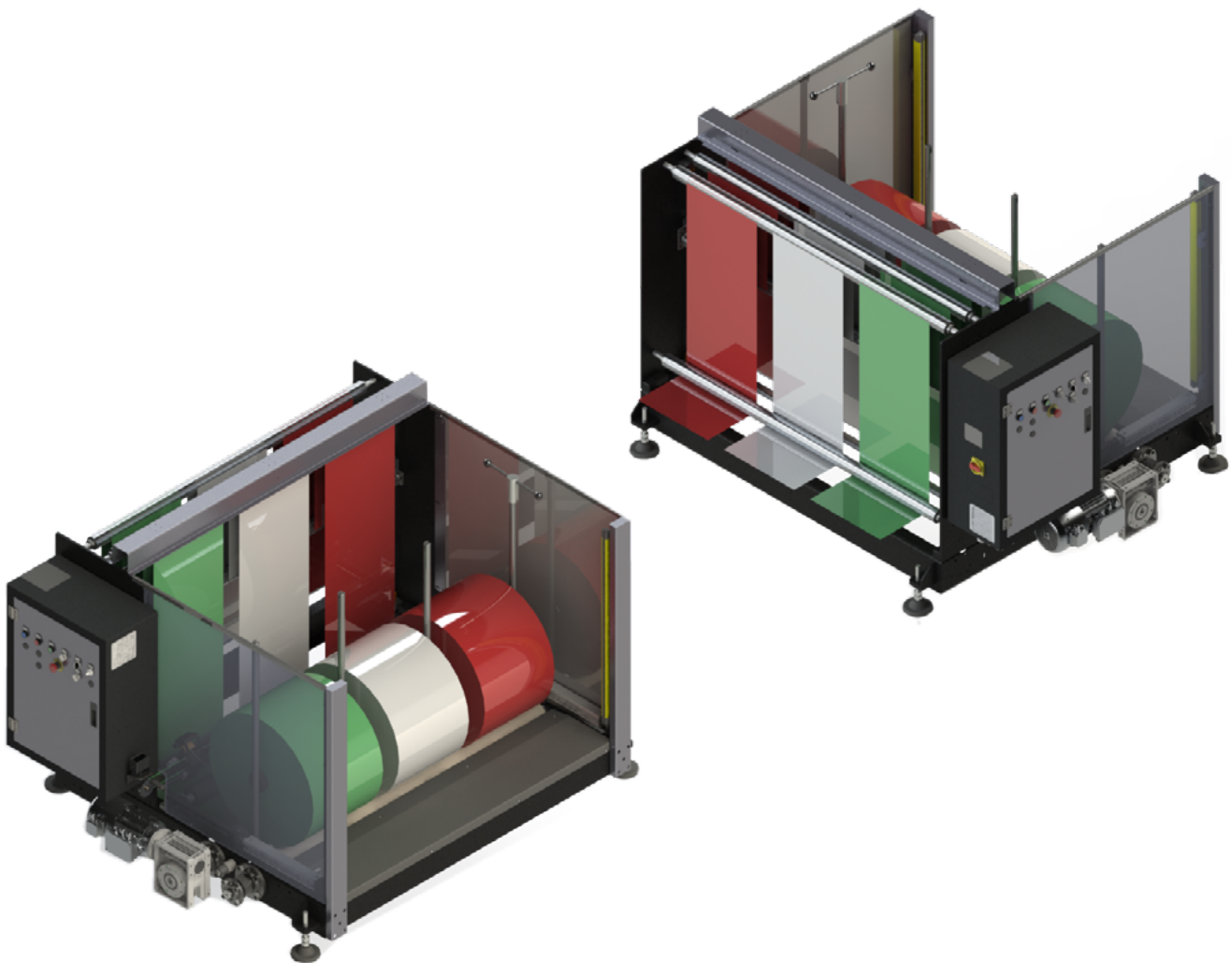
AVAILABLE WIDTHS | 1200 | 1500 | 1800

MAX REEL DIAMETER: Ø 950 MM

UNWINDERS

MOTORIZED

AMR



Cradle-type motorized unwinder, without the use of expanding shafts or cone shafts.

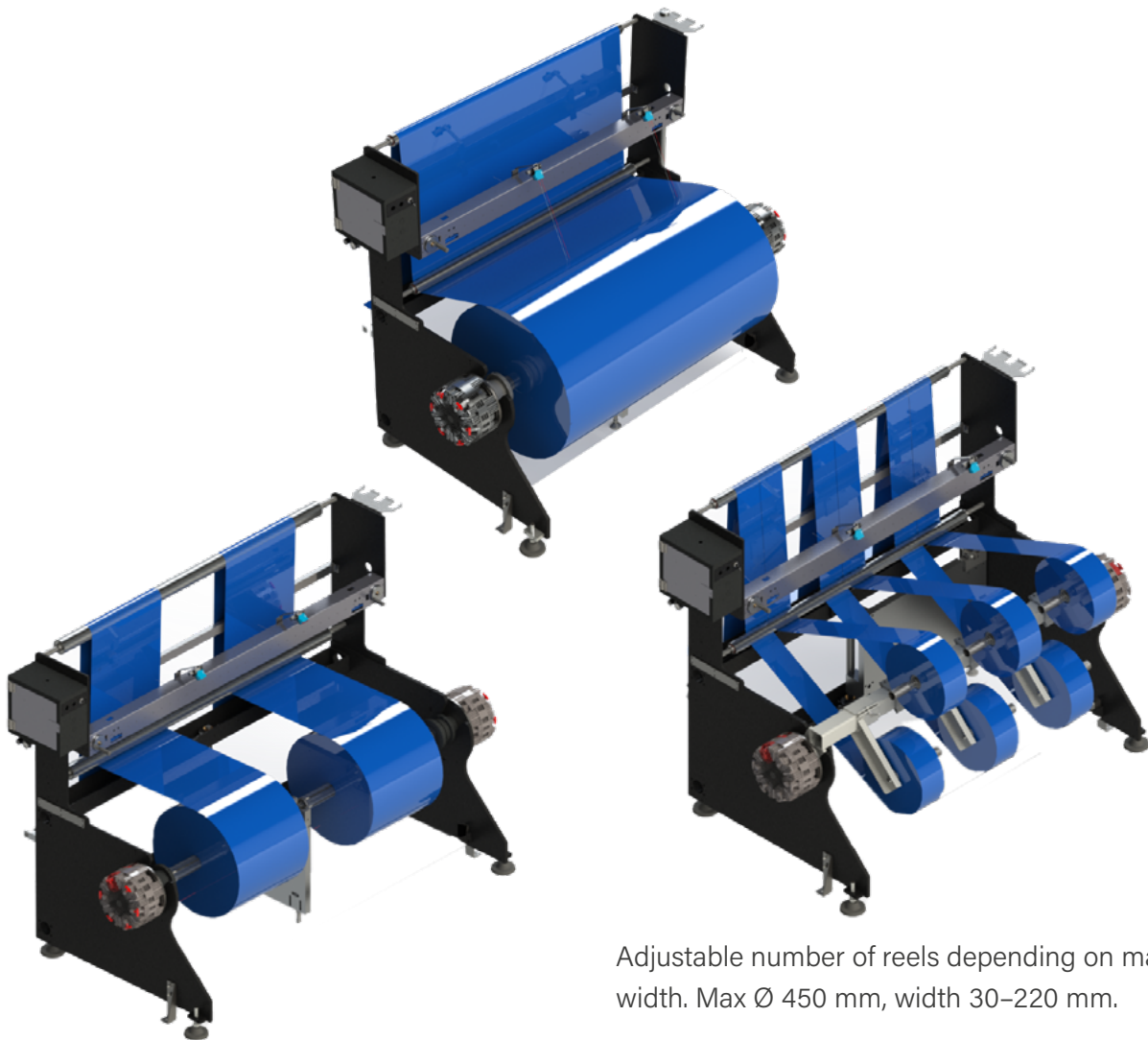
AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

MAX REEL DIAMETER: Ø 950 MM

UNWINDERS

UNW-SA

- ✓ Passive unwinder with proportional pneumatic braking, self-regulated based on reel diameter
- ✓ 1 full-width expanding shaft
- ✓ 2 half- width expanding shafts
- ✓ Option to add an accessory to unwind up to 6 reels with width < 180 mm on a 1500 size, or more reels on a 2200 size



Adjustable number of reels depending on machine width. Max Ø 450 mm, width 30–220 mm.

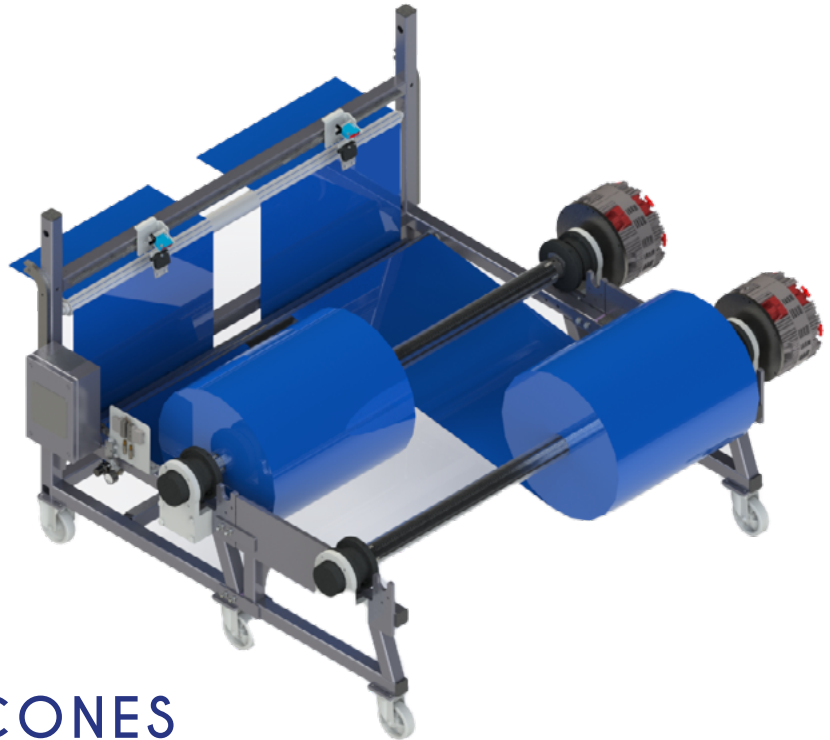
AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

MAX REEL DIAMETER: Ø 1000 MM

UNWINDERS

S-UNW BRAKED

- ✓ 1 or 2 brakes
- ✓ 1 or 2 full-width expanding shafts



S-UNW BELTS & CONES

- ✓ Braking with belts and cones
- ✓ 1 or 2 full-width shafts

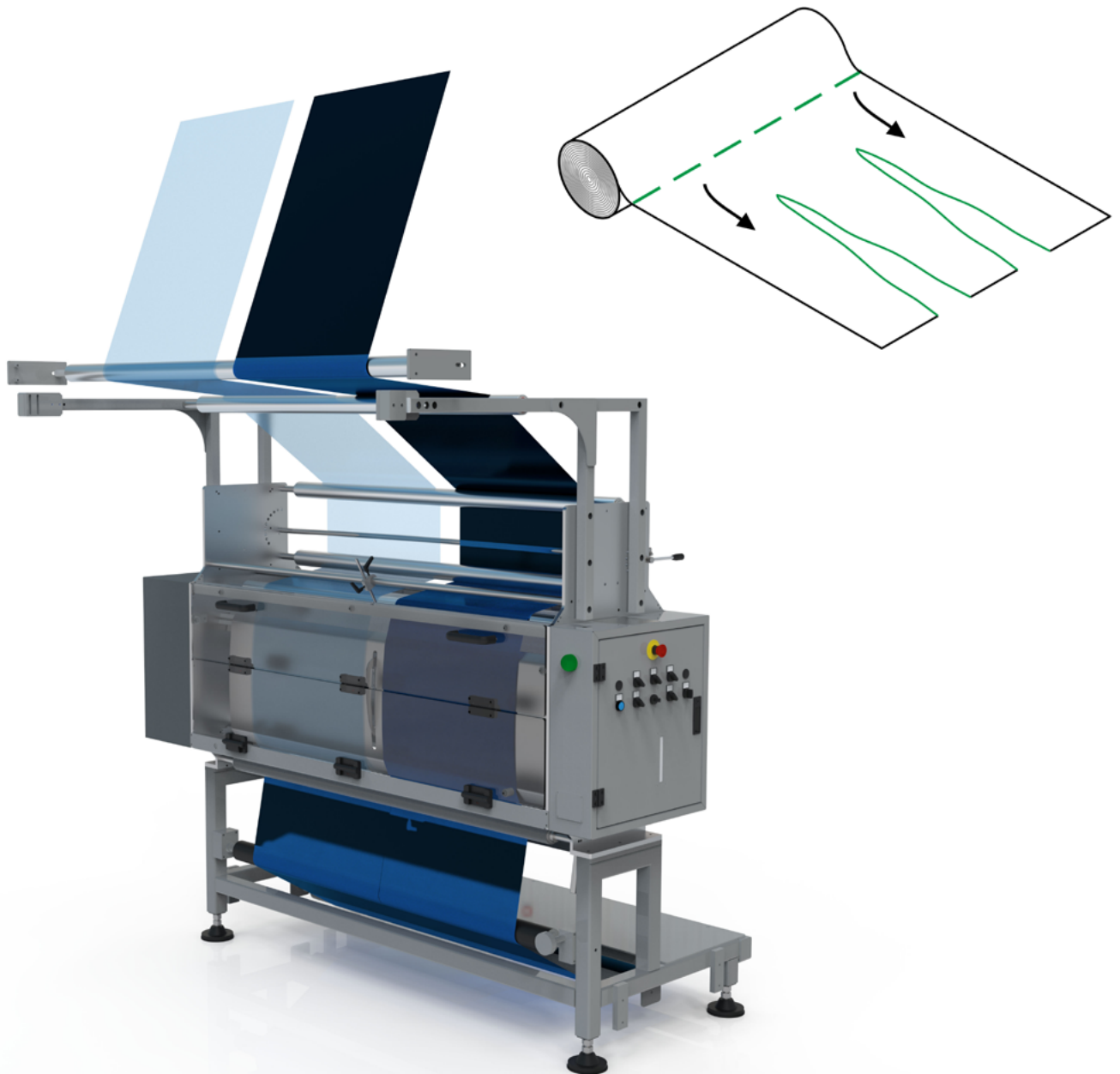


AVAILABLE WIDTHS | 800 | 1200 | 1400 | 1700

MAX REEL DIAMETER: Ø 800 MM

PROCESS MACHINES

SLIT SEAL

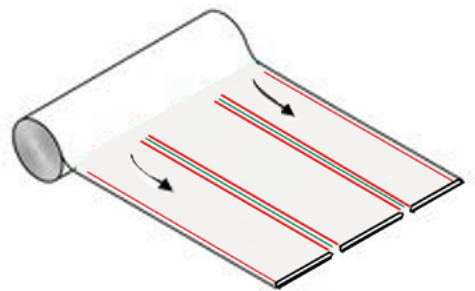


Possibility to add multiple knives to obtain up to 7 lanes.

AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

PROCESS MACHINES

SLR LONGITUDINAL SEALER



USABLE MATERIALS:

- ✓ LDPE
- ✓ HDPE
- ✓ BOPP
- ✓ BIO

It performs continuous seals in the material flow direction.

It can operate either in direct extrusion line or in-line with bag-making machines.

FORMATS	1200	1500
Unit width	2130 mm	2430 mm
Unit length	1515 mm	1515 mm
Max film width	1200 mm	1500 mm
Min thickness	10 μ	10 μ
Max thickness	110 μ	110 μ

PROCESS MACHINES

GUSSETER UNIT



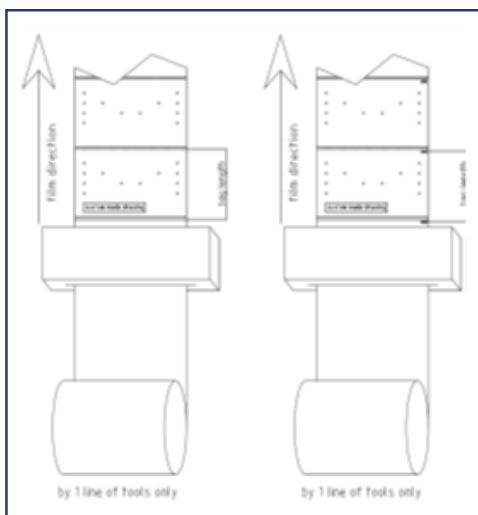
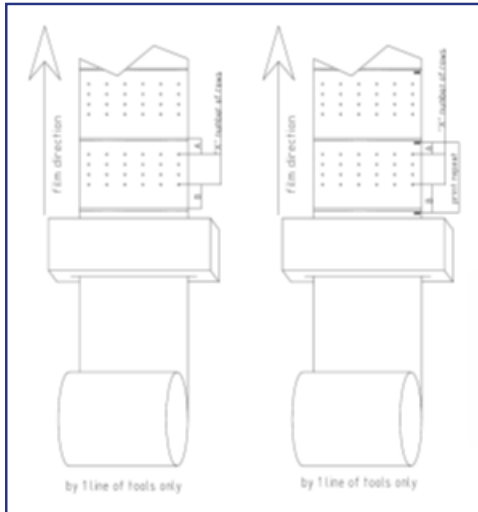
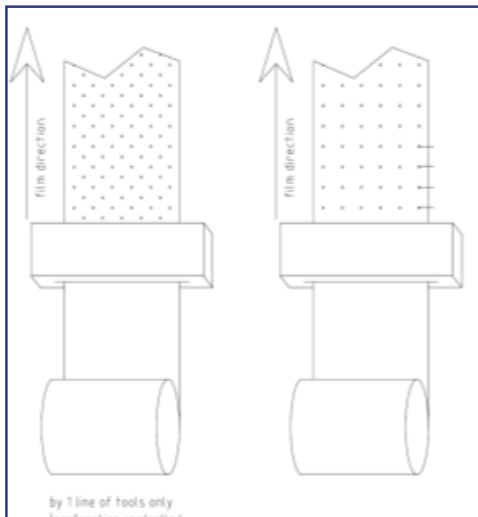
Possibility to add multiple elements to obtain multiple lanes.

AVAILABLE WIDTHS | 1200 | 1500 | 1800 | 2200

PROCESS MACHINES

ELECTRO-PNEUMATIC PERFORATOR

AVAILABLE PERFORATION MODES:



STAND-ALONE PLUG & PLAY MACHINE WITH ITS OWN PLC

It produces up to 2200 holes/min; it can be installed on a slitting machine, in extrusion line or on bag-making machines.



FEATURES	PAPER	LDPE	ALUMINIUM
Max perforated thickness	850 μ	600 μ	150 μ
Customers can request a test with their own materials.			
FORMATS	1400	1700	2200
Max film width	1450 mm	1750 mm	2200 mm
Max hole rate	2500 h/m	2500 h/m	2500 h/m
Max speed	250 m/m	250 m/m	250 m/m

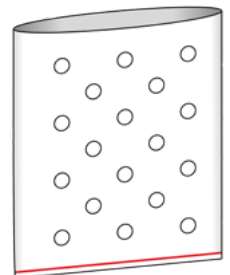
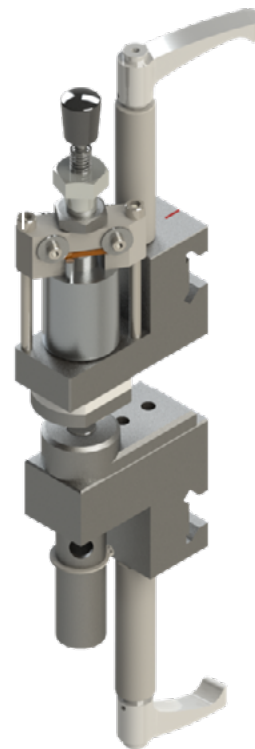
PROCESS MACHINES

PERFORATION TOOLS

ELECTRONIC TOOL

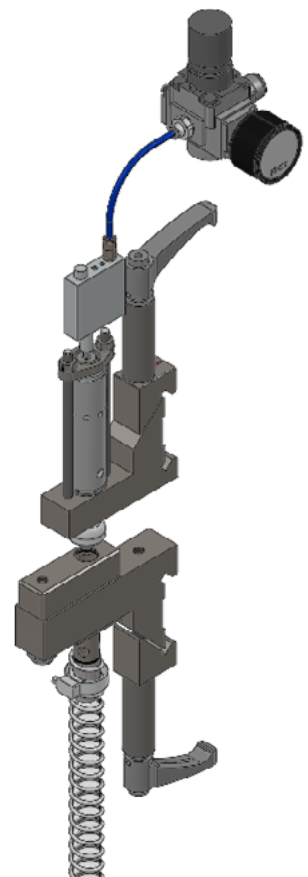
Speed up to 1500 hole/min

AVAILABLE DIAMETERS	HOLE TYPES			
				
1	✓			
2	✓			
3	✓			
4	✓			✓
5	✓	✓	✓	✓
6	✓	✓	✓	✓
7	✓	✓	✓	✓
8	✓	✓	✓	✓
9	✓	✓	✓	✓
10	✓	✓	✓	✓
11	✓	✓	✓	✓
12	✓	✓	✓	✓



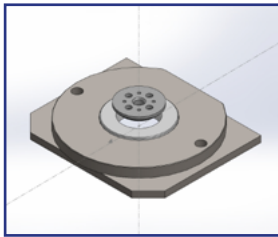
ELECTRO-PNEUMATIC TOOL

speed up to 3000 hole/min

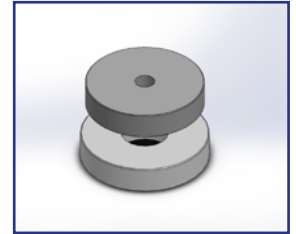


PROCESS MACHINES

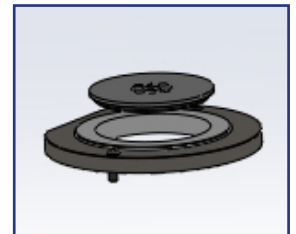
PNEUMATIC TOOLS



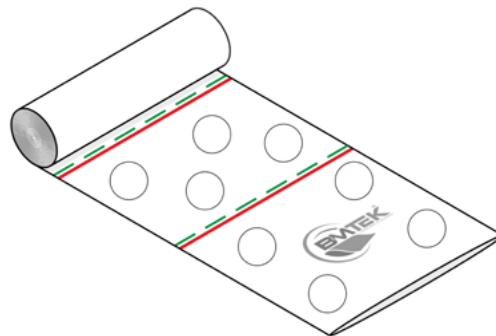
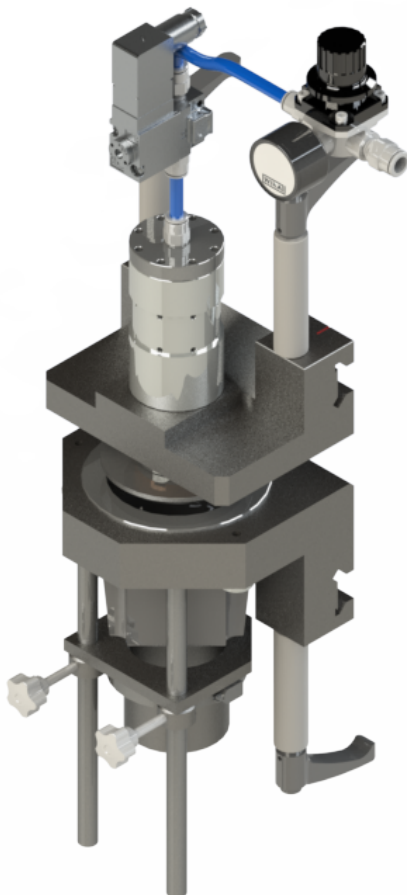
SMALL PNEUMATIC TOOL
DIAMETERS Ø14 to Ø22



MEDIUM PNEUMATIC TOOL
DIAMETERS Ø25 to Ø39



LARGE PNEUMATIC TOOL
DIAMETERS Ø40 to Ø80



HOLE TYPES				
AVAILABLE DIAMETERS				
Ø 14-30 mm	✓	✓	✓	✓
Ø 25-42 mm	✓	✓	✓	✓
Ø 40-80 mm	✓	✓	✓	✓

SMART LINE





AUTOMATIC BAG-MAKING MACHINES

SMART LINE

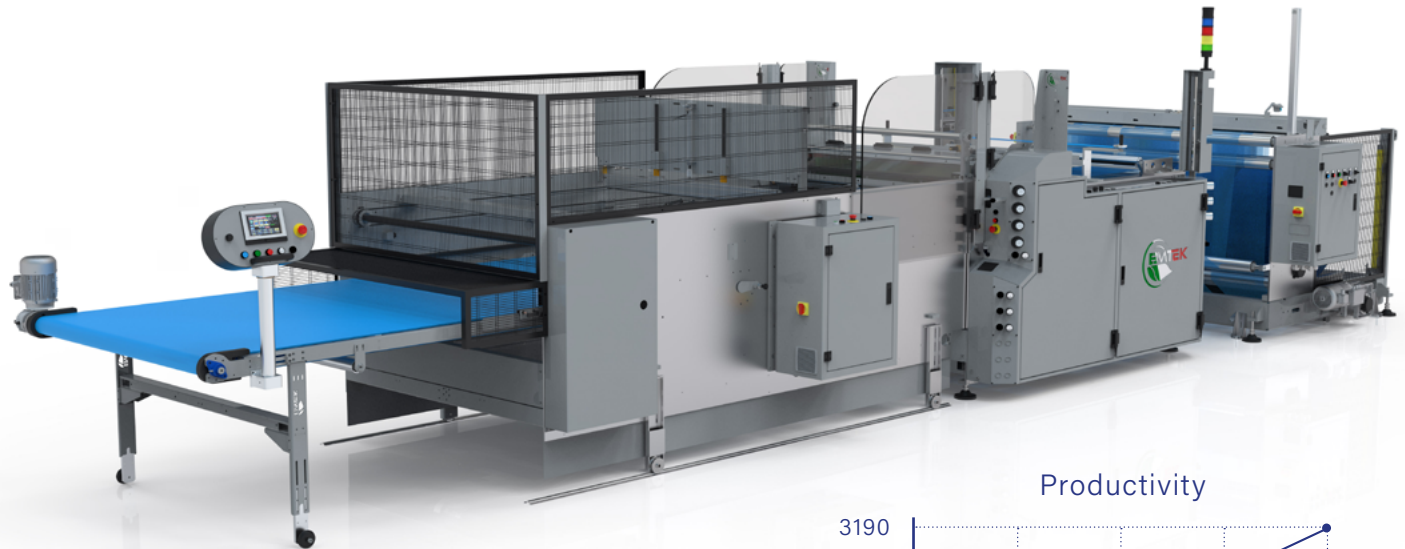
BOTTOM SEAL 850-1400-1700-2150



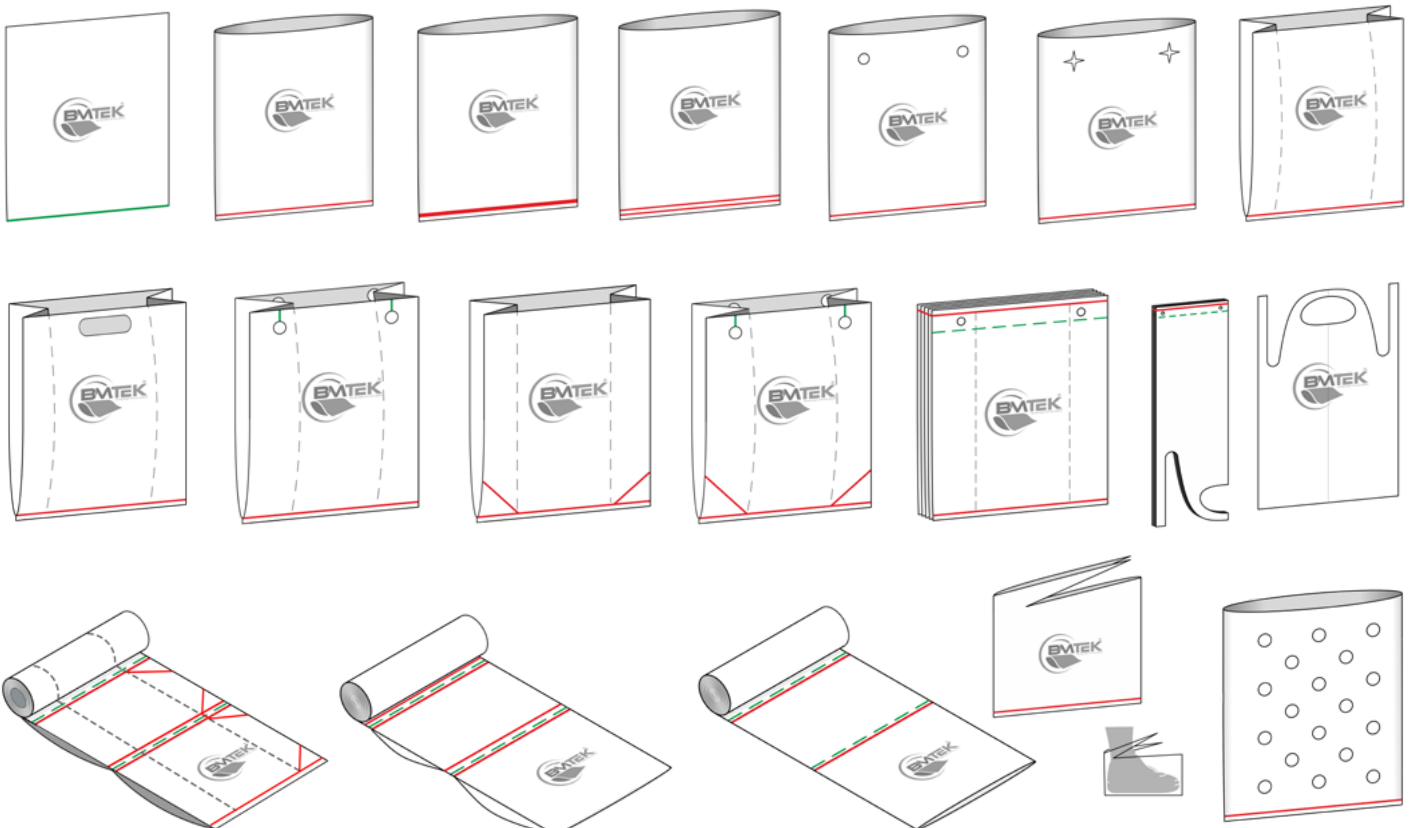
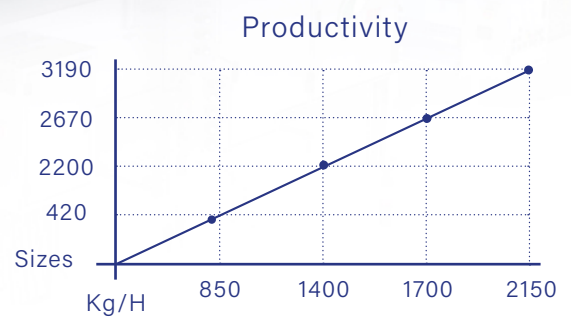
Extremely flexible and compact automatic bag-making machine with bottom seal and block-notes for flat bags — on roll or on pad — for high productions.

FORMATS	850	1400	1700	2150
Unit width	1820 mm	2380 mm	2680 mm	3130 mm
Unit length	2295 mm	2295 mm	2295mm	2295 mm
Sealing width	840 mm	1380 mm	1680 mm	2140 mm
Max bag length	5000 mm	5000 mm	5000 mm	5000 mm
Min bag length	100 mm	100 mm	100 mm	100 mm
Max bag thickness	4 x 220 μ	4 x 220 μ	4 x 220 μ	4 x 220 μ
Min bag thickness	2 x 10 μ	2 x 10 μ	2 x 10 μ	2 x 10 μ
Cycles/min	135	125	115	110
Max linear speed	125 m/min	130 m/min	120 m/min	105 m/min

AUTOMATIC BAG-MAKING MACHINES



products obtainable on the bottom-seal
& block notes seal with our accessories



AUTOMATIC BAG-MAKING MACHINES

SMART LINE

LATERAL SEAL 1400-1700-2100



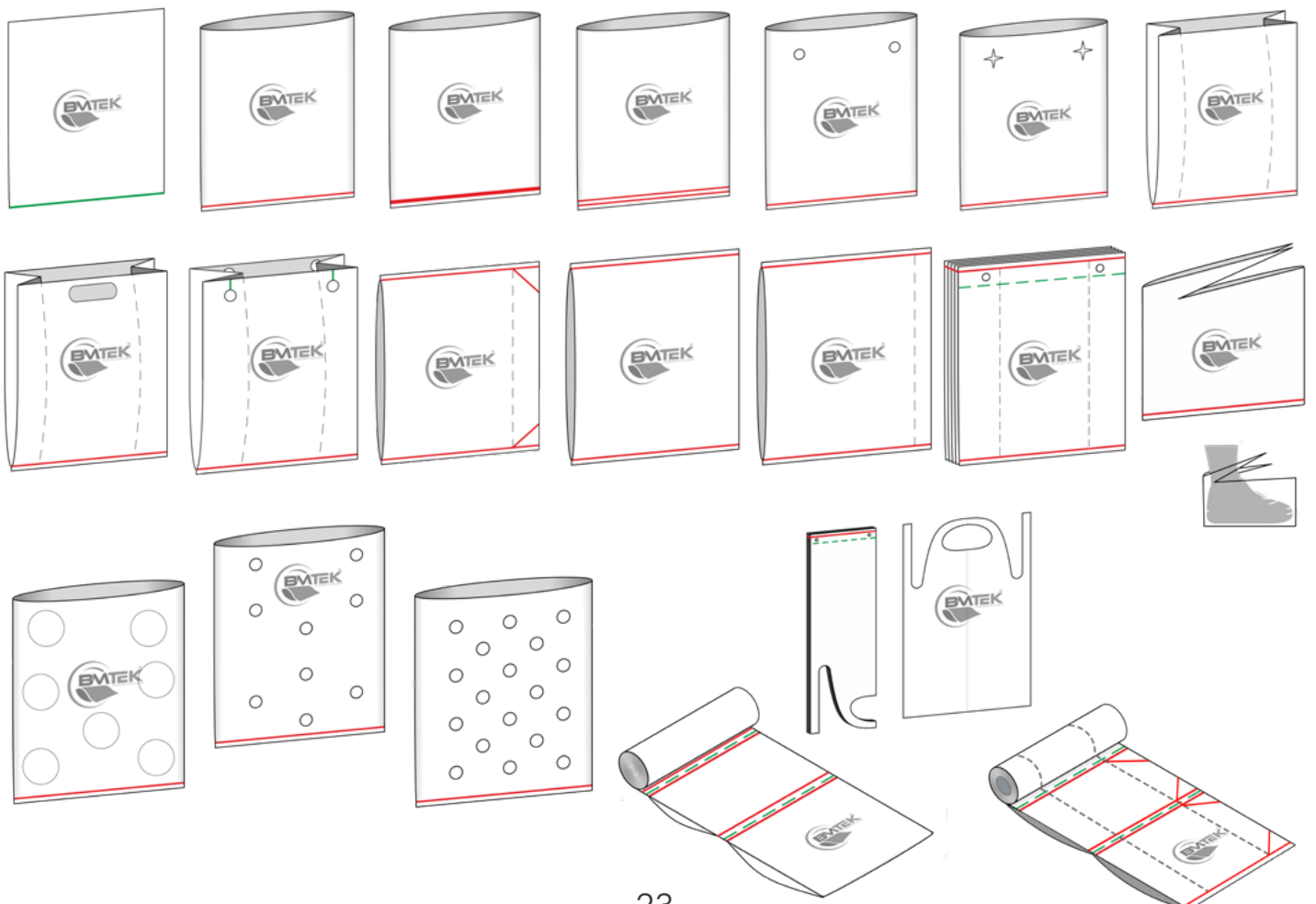
Automatic bag-making machine with side and bottom seal for flat bags and bags on roll.

FORMATS	1400	1700	2150
Unit width	2380 mm	2680 mm	3130 mm
Unit length	2295 mm	2295mm	2295 mm
Sealing width	1380 mm	1680 mm	2140 mm
Max bag length	5000 mm	5000 mm	5000 mm
Min bag length	100 mm	100 mm	100 mm
Max bag thickness	4 x 220 μ	4 x 220 μ	4 x 220 μ
Min bag thickness	2 x 10 μ	2 x 10 μ	2 x 10 μ
Cycles/min	125	115	110
Max linear speed	100 m/min	100 m/min	100 m/min

AUTOMATIC BAG-MAKING MACHINES



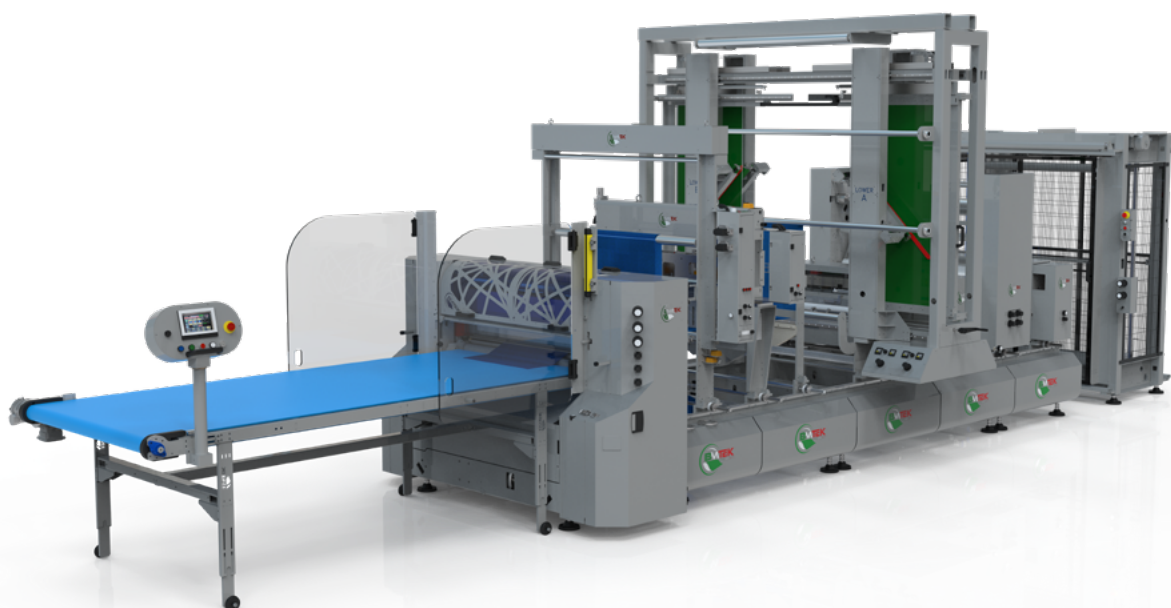
Products obtainable on the lateral-seal model with our accessories.



AUTOMATIC BAG-MAKING MACHINES

SBM

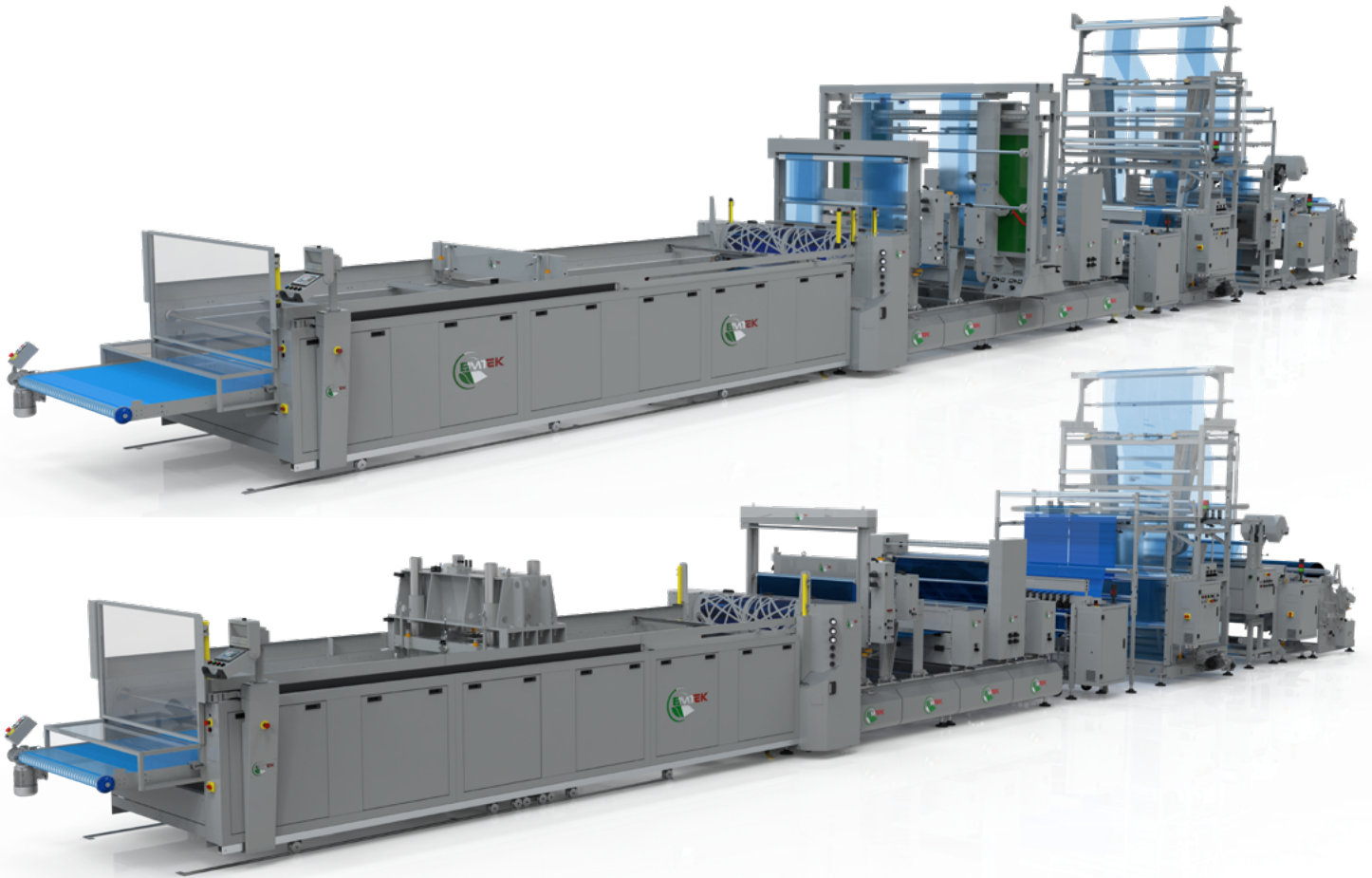
SBM LINE 1200-1400-1700-2100



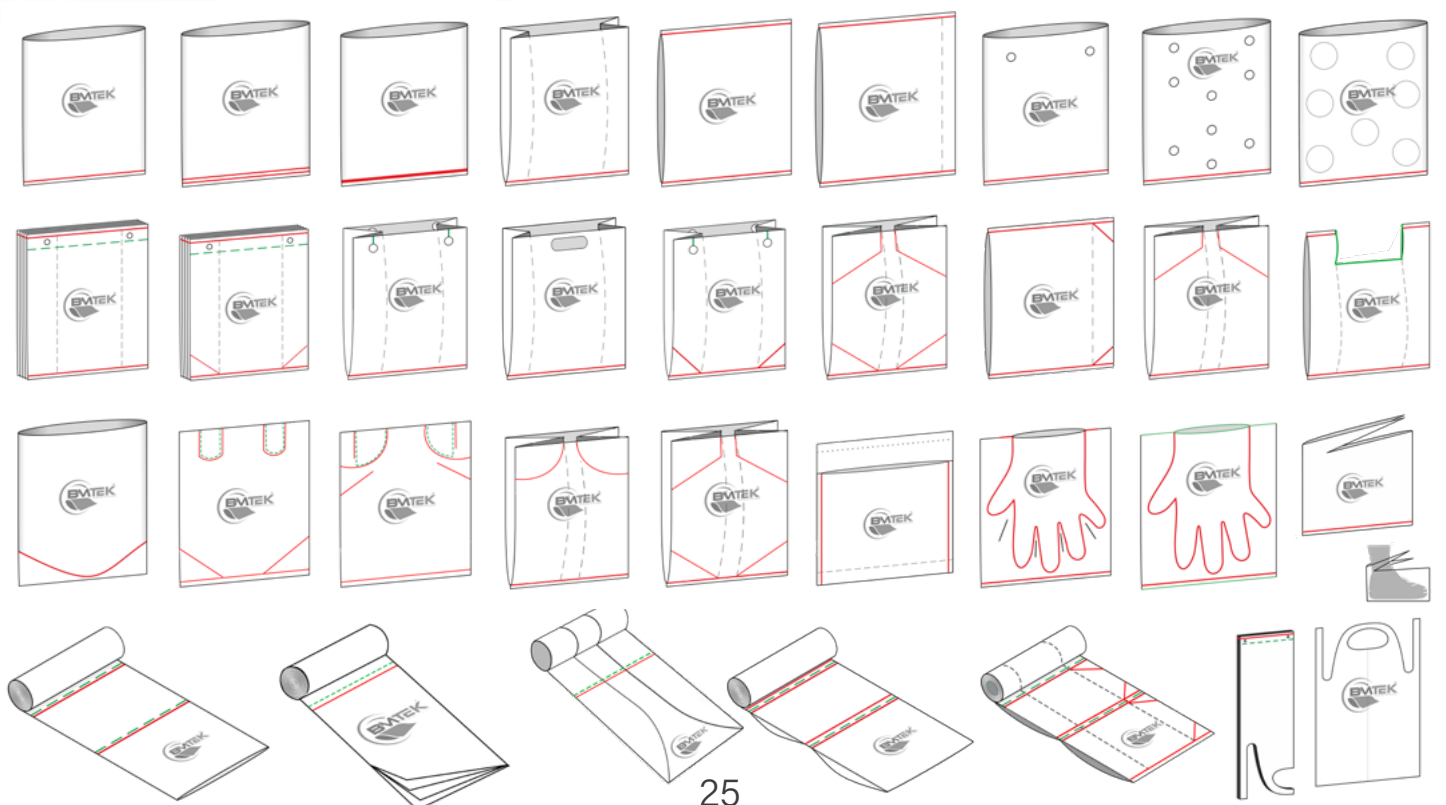
Modular bag-making line for special applications, with lateral seal, bottom seal and block notes. The SBM line offers maximum flexibility thanks to the possibility of inserting any accessory on a custom-built frame.

BOTTOM SEALING	1200	1400	1700	2150
Min bag length	120 mm	120 mm	120 mm	120 mm
LATERAL SEALING	1200	1400	1700	2150
Min bag length	300 mm	300 mm	300 mm	300 mm
BOTTOM + LATERAL SEAL	1200	1400	1700	2150
Max sealing width	1200 mm	1380 mm	1680 mm	2100mm
Max bag length	3000mm	3000 mm	5000 mm	5000mm
Max sealing thickness	4 x 250 μ	4 x 250 μ	4 x 250 μ	4 x 250 μ
Min sealing thickness	2 x 8 μ	2 x 10 μ	2 x 10 μ	2 x 10 μ
Cycles/min	160	150	125	120
Max linear speed	120 m/min	115 m/min	110 m/min	110 m/min

AUTOMATIC BAG-MAKING MACHINES



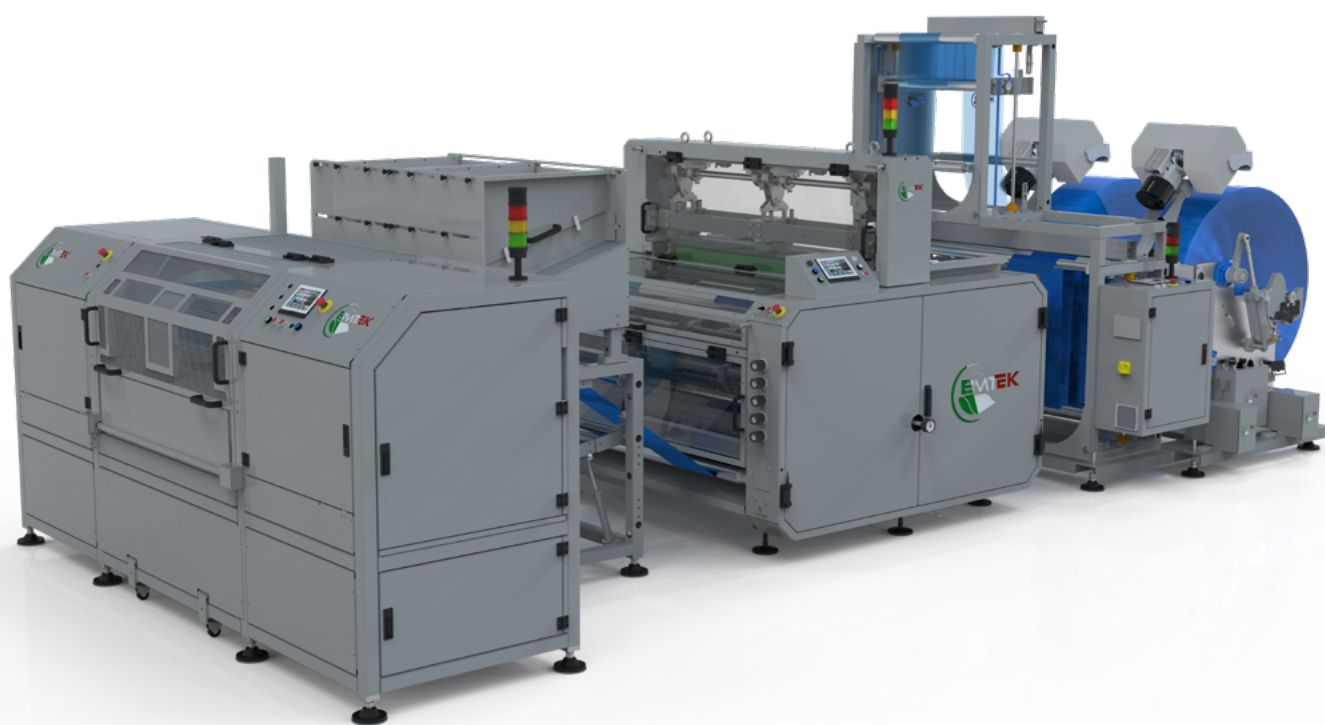
Products obtainable on the SBM model with our accessories.



AUTOMATIC BAG-MAKING MACHINES

SHUTTLE

RTR LINE 1400 - 1700 - 2150 - 2600



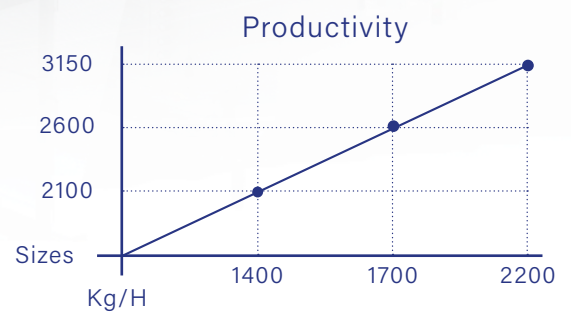
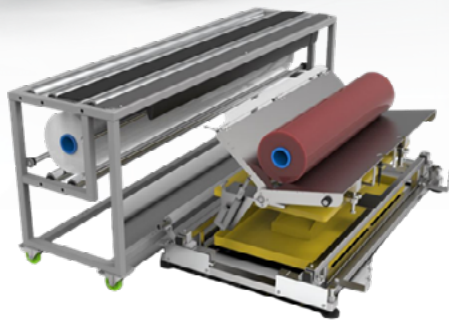
Sealing and pre-cut on LDPE, HDPE, MDPE, BIO films and recycled materials

FORMATS	850	1400	1700	2150	2600
Unit width	1850 mm	2300 mm	2600 mm	3000 mm	3000 mm
Unit length	1800 mm	1800 mm	1800 mm	1800 mm	1800 mm
Sealing width	850 mm	1400 mm	1700 mm	2100 mm	2500 mm
Max bag length	no limits	no limits	no limits	no limits	no limits
Min bag length	50 mm	50 mm	50 mm	50 mm	50 mm
Max bag thickness	4 x 250 μ	4 x 250 μ	4 x 250 μ	4 x 250 μ	4 x 250 μ
Min bag thickness	2 x 8 μ	2 x 8 μ	2 x 8 μ	2 x 8 μ	2 x 8 μ
Cycles/min	180	165	150	140	125
Max linear speed	165 m/min	150 m/min	135 m/min	125 m/min	120 m/min

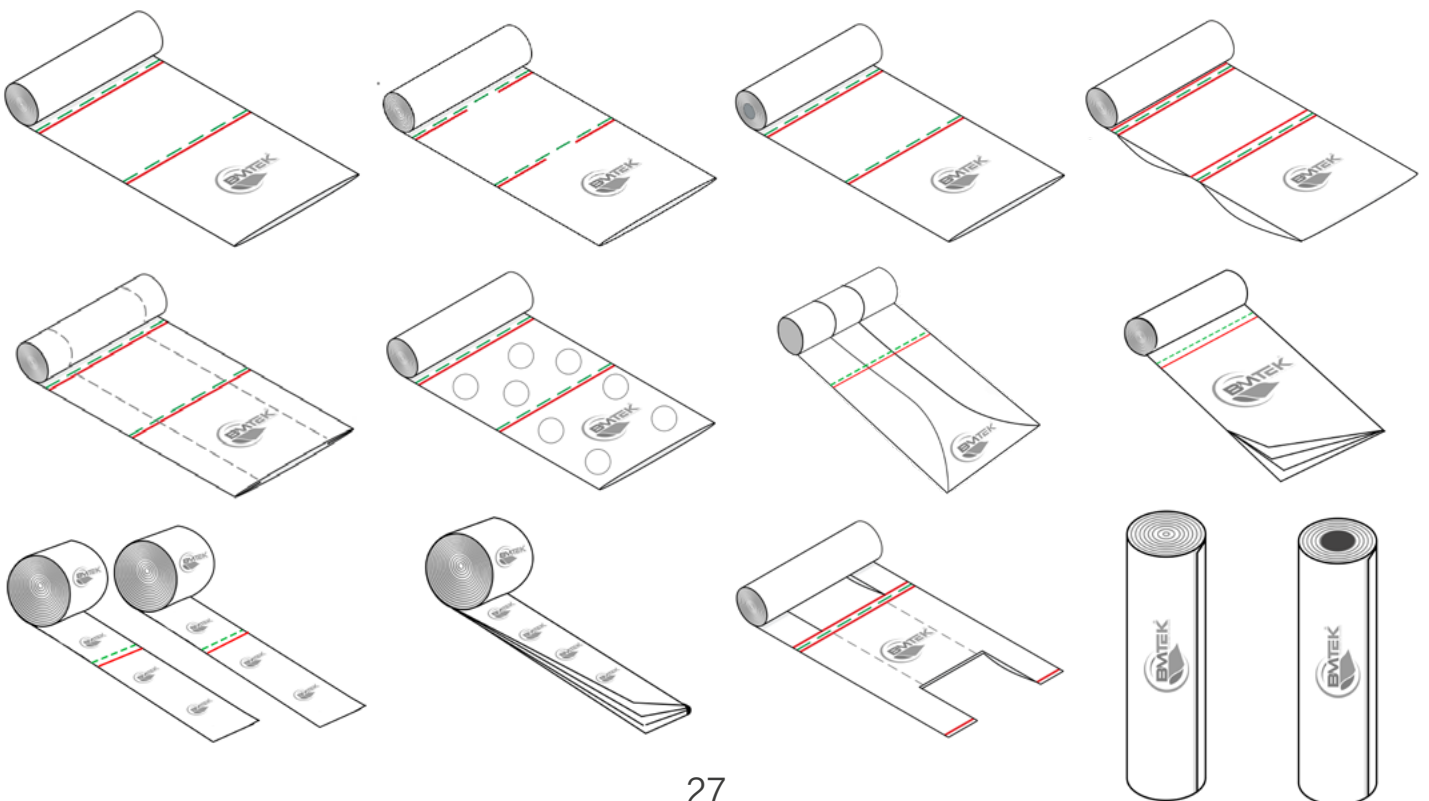
AUTOMATIC BAG-MAKING MACHINES



Alternative for reel unloading: hydraulic lifting platform with load cells and manual winding table.

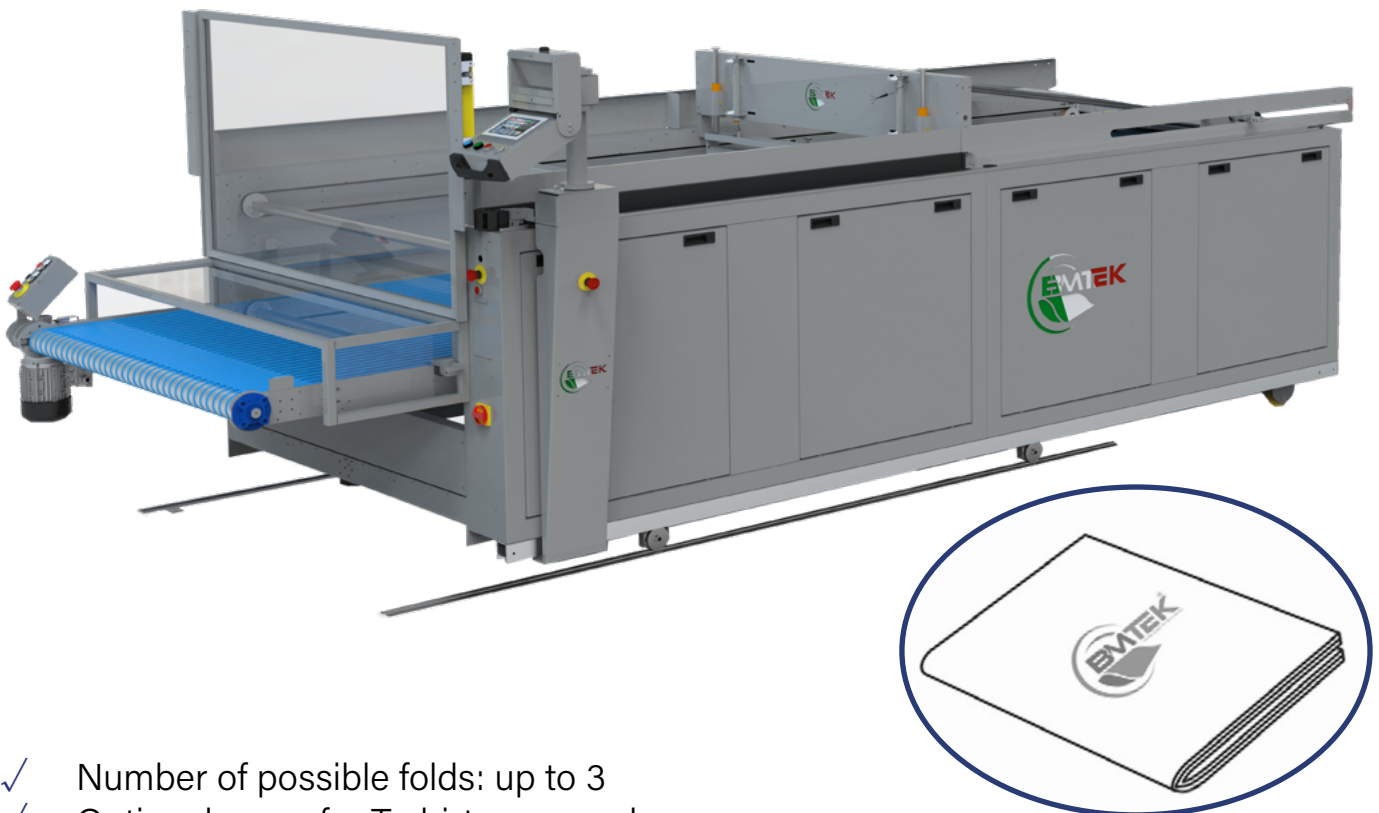


Products obtainable with the ROLL-TO-ROLL line.



AUTOMATIC FOLDERS

RPG FOLDER

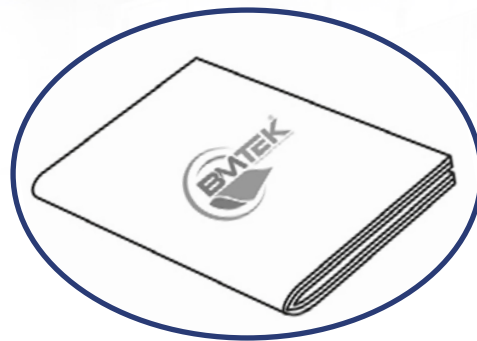


- ✓ Number of possible folds: up to 3
- ✓ Optional press for T-shirt or apron bags
- ✓ Automatic folder for bags up to 3000 mm or 5000 mm. Placed before the bag-maker, it allows extraction of bag bundles.
- ✓ Extraction is performed by multiple independent pneumatically-actuated grippers that pick bundles of bags with different thicknesses.
- ✓ Motion by servo motors for maximum positioning reliability.

FORMATS	800	1200	1400	1700	2100
Min. bag length with packet seal	180 mm	180 mm	180 mm	180 mm	180 mm
Min. bag length with lateral seal	-	300 mm	300 mm	300 mm	300 mm
Min. bag width	120 mm	120 mm	120 mm	120 mm	120 mm
Max. bag length	3/5000 mm	3/5000 mm	3/5000 mm	3/5000 mm	3/5000 mm
Number of possible folds	3	3	3	3	3

AUTOMATIC FOLDERS

S-RPG 2000



- ✓ Placed before the bag-maker, it allows extraction of bag bundles.
- ✓ For customers who already have a BMTEK bag-making machine, it can be integrated directly with the existing conveyor.

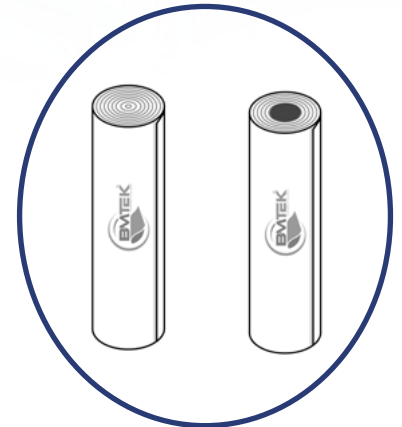
FORMAT	800	1200	1400
Min. bag length (bottom or packet seal)	180 mm	180 mm	180 mm
Min. bag length (lateral seal)	-	300 mm	300 mm
Max. bag length	2000 mm	2000 mm	2000 mm
Number of possible folds	2	2	2

AUTOMATIC WINDER

AMW



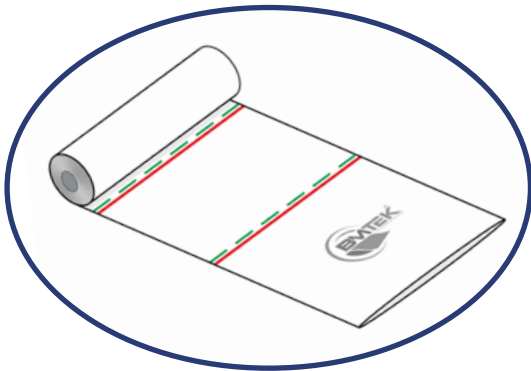
- ✓ It can be placed IN EXTRUSION LINE or in line with AUTOMATIC BAG-MAKING MACHINES.
- ✓ Integrated load cells make it possible to record the final product weight.
- ✓ Equipped with a CORE STORAGE with automatic loading.
- ✓ Core thickness from 3 to 16 mm, Ø 54/76 mm



FORMATS	1500	1800	2200	2600
Max. winding width	1530 mm	1800 mm	2100 mm	2500 mm
Min. winding width	400 mm	400 mm	500 mm	700 mm
Min. material thickness	2x8 µ	2x8 µ	2x8 µ	2x8 µ
Max. material thickness	4x250 µ	4x250 µ	4x250 µ	4x250 µ
Max. finished reel diameter	400 mm	400 mm	400 mm	400 mm
Max. linear speed	140 m/min	140 m/min	130 m/min	120 m/min

MANUAL WINDER

MDW SHAFTLESS



- ✓ The MDW manual winder allows to manage two reels in alternating times on two stations, one upper and one lower, without the need for expanding shafts.
- ✓ It can also be used with expanding shafts.

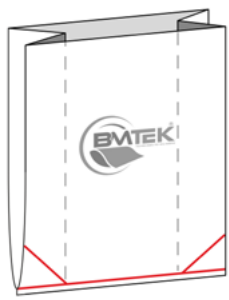


FORMATS	1500	1800	2200
Max. winding width	1200 mm	1500 mm	2100 mm
Min. winding width	200 mm	200 mm	200 mm
Min. material thickness	2x12 μ	2x12 μ	2x12 μ
Max. material thickness	4x250 μ	4x250 μ	4x250 μ
Max. finished reel diameter	350 mm	350 mm	350 mm
Max. linear speed	110 m/min	110 m/min	110 m/min

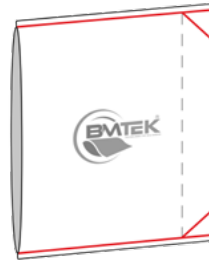
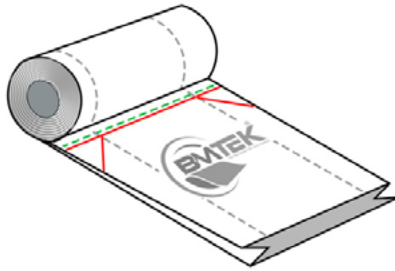
ACCESSORIES

INSTALLABLE ON OUR LINES

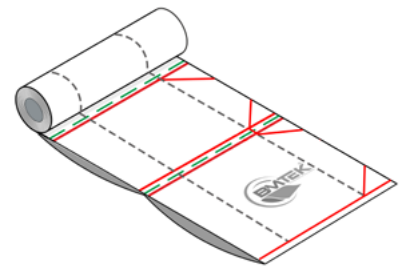
K-SEALER FOR "K"-SEALED BAGS



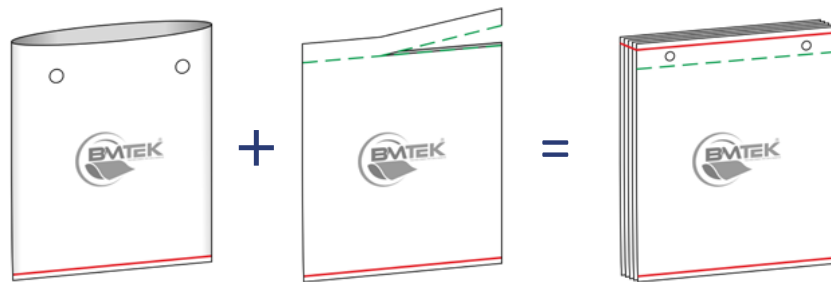
BOTTOM SEALING



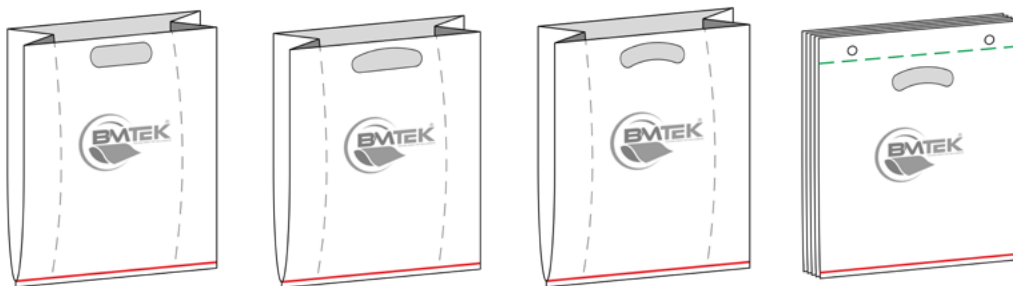
LATERAL SEALING



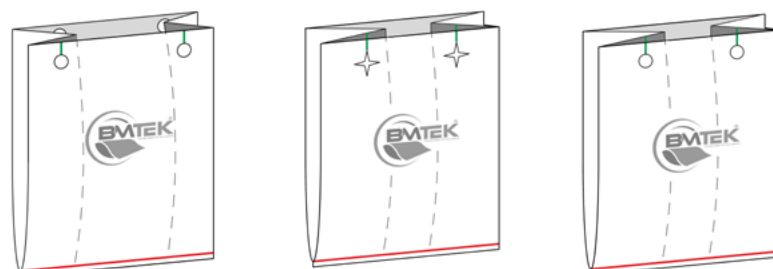
Accessories to obtain BLOCK-NOTES bags



Accessories to obtain BOUTIQUE bags



Accessories to obtain EASY-OPEN bags



OUR RELATIONSHIP STARTS HERE

BMTEK ASSISTANCE

The BMTEK After Sales & Service team supports you at every moment: from the first installation and configuration of the line, to software and hardware setup, through to remote assistance or on-site technical intervention.

We offer a **REMOTE SUPPORT** service via direct remote connection to BMTEK machines (previously connected to the Internet) in order to intervene as quickly as possible and promptly respond to the most urgent requests.

BMTEK remote assistance services are designed to minimize machine downtime and the time to resolve urgent issues, thus enhancing our customers' most valuable resource: time.

BMTEK also offers a qualified maintenance service on your automatic bag-making machines, with the goal of adapting them to new technologies or restoring their correct operation.

[illegible]

NOTES

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



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