

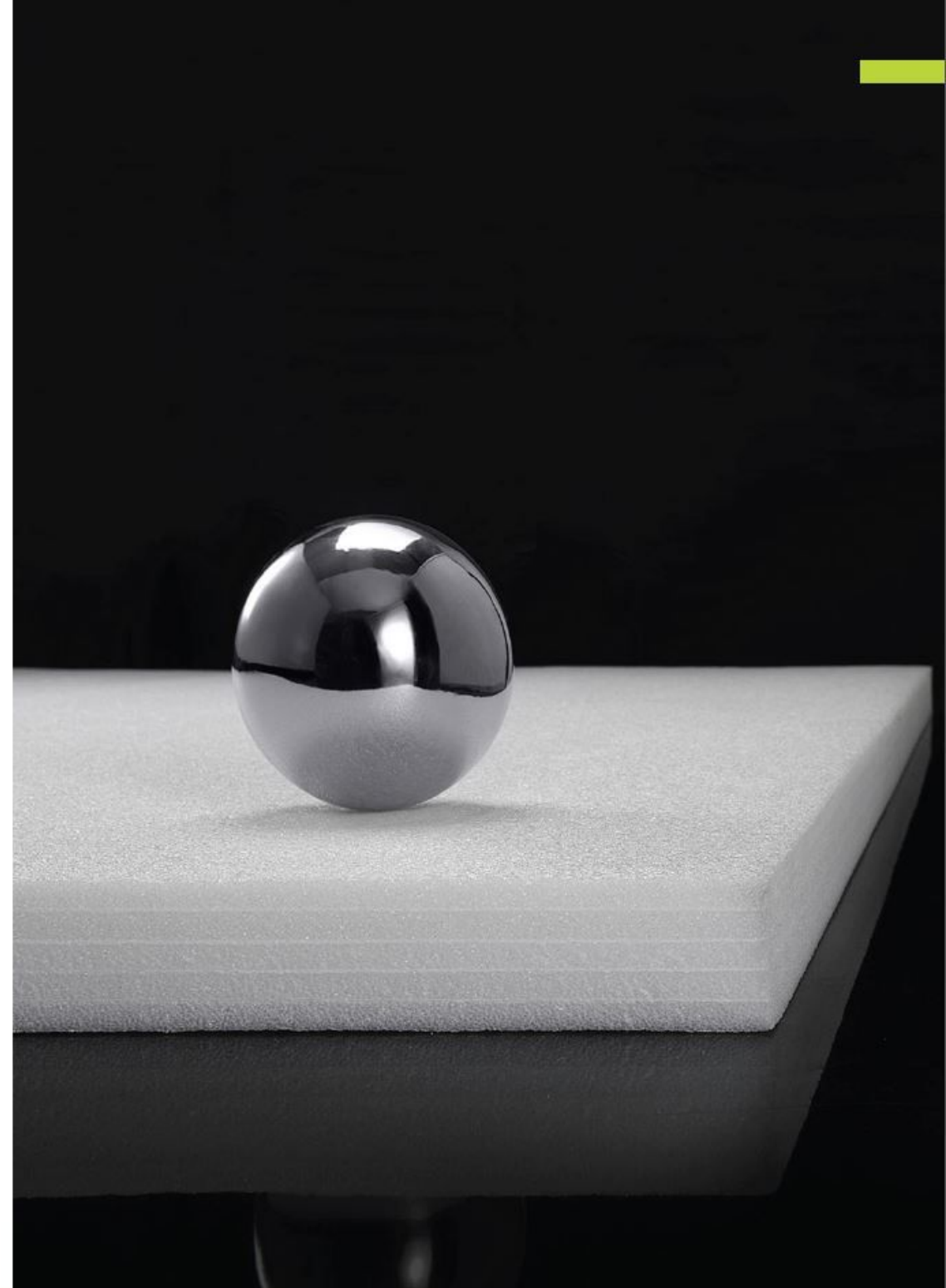
CONVERTING MACHINES

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ALEMO converting machines have been designed, developed and constantly improved thanks to an extensive know-how and experience achieved in packaging, construction and automotive sector. The machines are safe and easy to use thanks to specific technical capabilities and always with best available components integrated inside.

The machines have been carefully designed to provide a superior versatility covering a wide range of products. The control systems and product settings are engineered to control all the material and process characteristics (speed of line, width and thickness of material, temperature and pressure of welding/lamination, material tension control, static electricity, etc.)

Product parameters used during production can be stored on control panel and reproduced at each product change – for each single product.



PLANK LAMINATION MACHINE

PE foam plank production is one of the fastest growing products in packaging industry replacing expanded polystyrene beads (EPS). ALEMO developed a machine designed to achieve maximum productivity with lowest scrap ratio at minimum human labour involved. Moreover, the machine is equipped with an automatic side-trim and scrap collection system with scrap ready for further recycling process.

Max. number of layers	7
Max. plank thickness	120 mm
Max. plank width	2000 mm
Max. operational speed	up to 40 m/min



*Automatic side-trim/scrap collection system (for further recycling).
Plank intra-layer bubble/air pockets prevention system.*

AUTOMATIC CUTTING AND BAG MAKING MACHINE

The machine was designed to transform coils of flexible packaging material into various formats and bags of different sizes. The welding system is equipped with settings to adjust temperature, pressure and welding time to cover different types and thickness of material. Besides

complete production overview on touch screen panel, the machine gives the possibility to save for each product the welding and dimension parameters to re-produce it at each start-up or product change.

Max. number of rolls in production	8
Machine width	1600 - 2500 mm
Max. cuts/h	3600 cuts/h
Materials	EPE air-bubble EPE laminates

*Adhesive tape application unit.
Bag/Format pre-cutting system + winder.*



CORNER MAKING AND CUTTING MACHINE

The machine is able to cut-out "V" shapes from different types and sizes of profiles or pipes. Each machine is equipped with a fully automatic Corner Welding System which enables precise and fast production of PE corner

protectors. The parameters are easily set and visualized on LCD panel with possibility to set continuous product cutting/welding. The products are automatically collected on a belt conveyor and transported into a selected box.

Max. number of lanes/streams	6
Corner productivity	max. 18 pieces/min
Materials	EPE foam pipe/profiles (*U' profiles, 'L' profiles, pipes, other)

*Fully automatic corner production from pipes/profiles wound on coils.
Possibility to produce semi-products for Tee "T" corners .*



CORELESS (RE)WINDER (In-line and Off-line)

Alemo Coreless (re)winder was designed to transform flexible plastic sheets such as PE-foam, its laminates, air bubble film etc. into small short rolls without inner paper core. It's fully automatic functioning allow the machine to be installed in-line, directly after extruder or off-line as a re-winder. All the function such as cutting the roll size, change of roll, tapping and ejection of the finished roll are completely automatic. This machine is the perfect choice for retail market (DIY, superstores, etc.) as without the internal core, the product cost is noticeably cheaper.

*Possibility to add an in-line automatic roll packaging and labelling machine.
Adhesive tape or hot-melt glue roll closing system.*

Max. roll width	1,7 m
Max. roll diameter	460 mm
Max. operation speed	70 m/min
Materials	PE light foam rolls PE high density foam rolls Laminated PE foam rolls Air-bubble Cardboard Other similar materials

