



MACHINERY FOR AUTOMATED CARPET AND TEXTILE FINISHING



Geo textiles



Agro textiles



Home textiles



Handsaeme Machinery (Belgium) is specialized in customized machinery for the carpet and technical textile industry. We develop, manufacture and install automated finishing and processing lines to cut, fold, inspect, weld, (un)roll, pack and staple agro textiles, geo textiles and home textiles.

We ensure our machines can be optimally deployed so one machine can be used for different purposes. We are passionate about giving automated and customized solutions and focus on production and cost efficiency, safety and energy savings.



WATCH OUR VIDEOS

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Handsaeme Machinery is not only a machine builder, but a reliable long-term partner for your automation plans!



*How crazy it seems,
 we create your machinery!*

AUTOMATION OF TECHNICAL TEXTILE FINISHING



Cutting - Folding - Inspecting - Welding
 (Un)rolling - Packing - Stacking - Transport

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REFERENCE PROJECTS



End-of-line roller and winding section for thermally bonded nonwovens //

- Continuously straight and hard rolling the fabric coming from the production line
- Length measuring device with accuracy 0,1%
- Rolling speed up to 200m/min
- Continuous fault detection with camera and marking of those faults while rolling
- Separate rewriter with cutting unit to remove the production faults in the fleece and reroll the fabric into 100% straight output rolls
- Fully automated working mode



Cutting & welding of textile filters //

- Cutting machine with welding unit to process different qualities of textile filters
- Fully automated working mode (optional: also manual mode)
- Correct positioning of the differently sized filters according their length
- Easy operating controls via touch screen (preset programs)
- Safety measurements to protect the operator



Cutting, packaging and palletizing line for woven agro textiles //



- Makes "store-ready" rolls of polypropylene woven textile
- Ultrasonic cutting heads for fast and neat cutting
- Rolled with pressure roll around cardboard tubes to create hard rolled end rolls
- Automatic cardboard tube dispenser that also cuts the tubes on length
- Possibility to insert folder
- Two rolls at the same time can be packed considering max width of the plastic
- A flat seal on the sides in combination with a longitudinal tape guarantees waterproof packed rolls
- Automatic strapping and stacking of the finished rolls



Artificial grass carpet cutting, rolling and packaging //

- To unroll artificial grass to the desired length and cut it into coupons of different sizes
- To reroll the coupons on an axis applying side steering
- To pack the rolls in plastic foil (stretch foil or belly band packaging)
- Tension of the rolling and stretch foil is adjustable
- Inner or outer pile can be rolled
- 100% straight rolls
- Automatic folder insert under the stretch foil



Production line for light weight sandwich panels //



- Line produces ultra-lightweight but very strong sandwich panels with honeycomb structure
- Panels have various applications in the automotive, aircraft, trucks, furniture, light weight pallets, ...

Handsaeme Machinery manufactures the machines to produce these panels. The panel production is based on EconCore technology and available for licensing (see www.EconCore.com for more information).