

We design and build (semi-) automatic machines and lines for the manufacturing of pallets, crates, furniture, garden products, timber frames for construction, etc.

Starting from a basic concept with possibility of additional automation modules. Your machine is a unique example of automation according production needs and budget.

IMPROVE
PRODUCTION

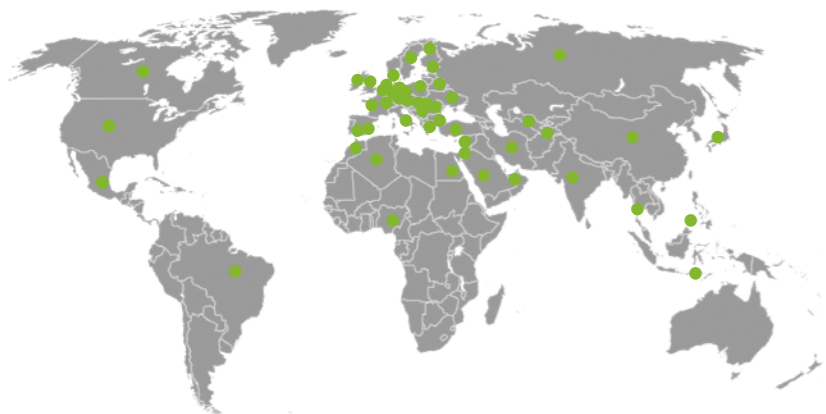
OPERATE
SAFER

REDUCE
COST

QUALITY



Handsaeme Machinery has over 80 years of experience (+35 years in automation & carpets and textile machinery and +10 years in industrial wood nailing machinery).



**+ 2000 customers
in 49 countries!**

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



AUTOMATION FOR MODULAR HOUSING



www.handsaeme.be



Modular housing production

Lean production of prefabricated housing elements

For efficient and cost-saving production (timber) building structures, the best way is to adopt new technology in addition to the conventional manual-based construction methods. By using innovative methods for offsite and automated construction, the effectiveness of production will grow as the speed and quality of building increases by lean processes. Handsaeme Machinery is your partner to develop a safer and more streamlined production line for manufactured housing panels.

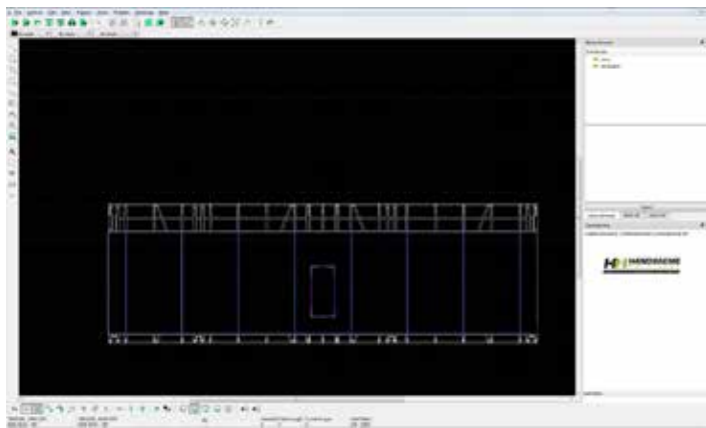
We help to think out the most affordable solution according your needs by analyzing the production process and propose automated systems where needed to obtain your predetermined manufacturing objectives and console a reasonable return on investment.



BENEFITS PRODUCTION LINE FOR MODULAR BUILDING ELEMENTS

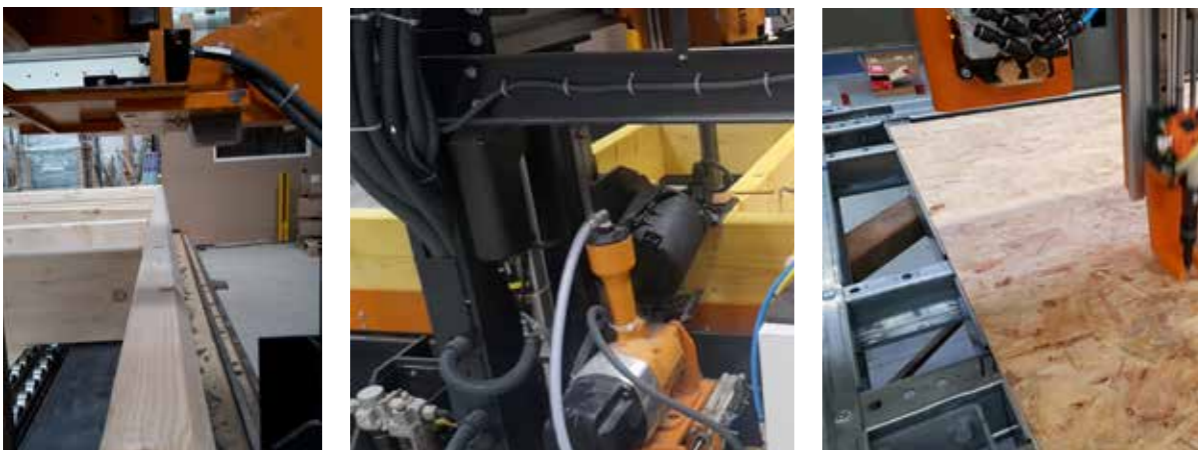
- Process optimization from design to transport and handling
- Higher quality standards and safer, ergonomical working places
- Competitive advantage by innovation and technological leadership

CNC-CONTROLLED PRODUCTION



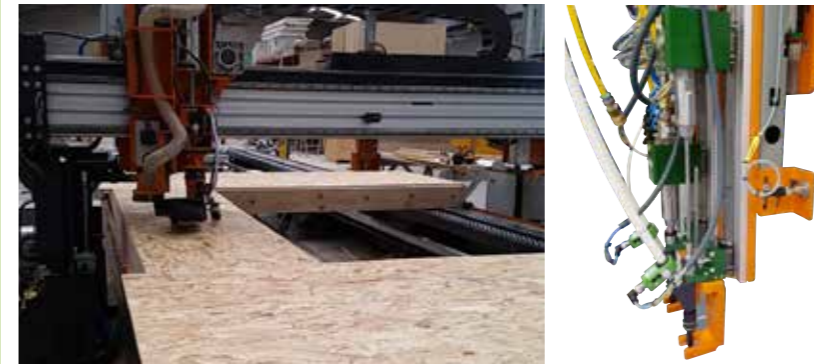
- Convert your 3D-drawing into real building panels and walls
- Software compatible with most CAD programs (2D - 3D)
- Programming of patterns based on imported CAD-files with different layers for various functions such as sawing or milling

FRAMING STATION



- Horizontal workstation where operator places the beams and studs into place
- Suitable for timber or metal frames
- Automatic adjustment of the station according the dimensions of the element to build
- Multiple sideways fixation of frame components
- Connection to the next station where the frame is finished and sheated

SHEATING STATION



Different fastening methods according the materials used:

- **Nailing**
(for OSB & timber constructions)
- **Stapling**
(possible from 6 to 130 mm depth)
- **Screwing**
(for securing plasterboard, metal panels and metal elements)

HANDLING



- Transport systems
- Butterfly tables
- Turning systems

ADDITIONAL FEATURES

Our automated assembly tables are suitable to make walls as well as roof or floor elements. The tools used for processing and formatting the construction elements are optional and vary depending on the desired results:



- **Milling or drilling** heads to make holes for cables, openings for windows, doors or create other recesses



- **Saw** with dust removal system for shaping the frame covers



- **Printing and marking** of the output with building instructions or production data



- **Insulating** the external construction elements like walls