

HEINOLA

HEINOLA SAWMILL SOLUTIONS





HEINOLA Lumber Handling plants have developed over a span of 30 years. This development has taken place both through our own resources as well as company acquisitions. The HEINOLA Lumber Handling plants have taken shape from technologies designed by Plan-Sell, Sateko, Hammars, Ahlström, Valmet, HEINOLA and Nordautomation. The know-how and advanced product range built up on this foundation, form the mainstay of our operations. We know that this level of experience is hard for anyone to beat.

HEINOLA SAWMILL SOLUTIONS

HEINOLA Green Sorting

Our customer-oriented optimal solutions combine a wide product range and expert know-how. In these state-of-the-art plants, the sawn goods are sorted in the green state for drying, in customer batches and according of grade. Faulty parts are cut off to make green chips, with high accuracy, according to instruction from camera devices or operators. Infeed at the plants is done by sequenced intermediate storage, linked to the sawline by a storage conveyor with unscrambler, or by a combination of these. Automatic camera sorting has already been incorporated in very many of our plants.

Characteristics

- 160 pcs/min
- 60 000 pcs/shift
- sequenced infeed
- storage conveyor with unscrambler
- automatic camera sorting
- trimming to free lengths
- bins with low drop height
- tray sorter
- 1 operator at the plant
- flexible layouts
- HEINOLA Automation



Latest deliveries

- Metsäliitto
- Stora Enso Timber
- UPM
- ER-Saha Oy
- Firma Ludwig Ziegler
- HASA Oy
- Keitele Timber Oy
- Kuhmo Oy
- OOO Svir Timber
- Ruukki Invest Oy
- Ulea Oy
- Vapo Oy
- Versowood Oy





HEINOLA Sticker Stacker

The development of sticker stacker machines has been one of the foundation stones of our success story. Our sticker stacker has been refined into its present form after of hundreds of orders and adjustments to suit customer requirements. The neat kiln stacks are produced with precision, even where there is differing width and height. The sticks are transferred to the surface of the layer and lowered accurately into place. One operator oversees the infeed of both the sticks and the sawn goods. An automatic, fast and reliable stick feed system is a key factor in the efficiency of the sticker stacker.

Characteristics

- 200 pcs/min
- 60 000 pcs/shift
- 1 operator
- automatic stick feed
- removal of broken stick
- addition/removal of sticks
- non-matching pieces have same hard corner on layers
- automatic infeed of kiln carriages or carts

- additional hoist
- up to 13 sticks on a layer
- Heinola stack register
- HEINOLA Automation

Latest deliveries

- Metsäliitto
- Stora Enso Timber
- UPM
- AS Imavere Saeveski
- ER-Saha Oy
- HASA Oy
- Keitele Timber Oy
- Kuhmo Oy
- OOO Svir Timber
- PRT-Wood Oy
- Ruukki Invest Oy
- Vapo Oy
- Versowood Oy





*With all HEINOLA products:
the sawn goods are handled
efficiently and with great care,
and the plants operate reliably
with a high utilization rate.*

HEINOLA SAWMILL SOLUTIONS

HEINOLA Dry Sorting

Production needs are growing and changing all the time, and damage to dry sawn goods in machines must be minimized. With these factors in mind, we have continually developed our product range to meet customers' needs. We have been able to introduce several new solutions to the markets. The plants that we supply are equipped with these features according to particular individual needs. Our solutions are suitable as elements of small sawmills just as well as for production plants at big sawmills. An automatic camera sorting environment can also be installed in our plants for the sorting of dry sawn goods. Infeed of pieces to the dry sorting plant is done efficiently and without a break when the destacker is equipped with an additional hoist. This feeds the pieces in while a new full kiln stack is being retrieved. When necessary, an infeed area unscrambler is utilized if the singulating so requires.



Characteristics

- for different production types
- 60 000 pcs/vuoro, 1300 m3/shift
- versatile measuring device applications
- constructions 160 pcs/min
- continuous kiln stack change
- adjustable unloading threshold
- continuous infeed without unscrambler
- grade checking/length-sorting function
- automatic camera sorting
- free selection of trimming
- bins with low drop height
- tray sorter
- HEINOLA Automation

Latest deliveries

- Metsäliitto
- Stora Enso Timber
- UPM
- ER-Saha Oy
- Firma Ludwig Ziegler
- Koskisen Oy
- Kuhmo Oy
- OOO Svir Timber
- Pihlavan Saha Oy
- Pölkky Oy
- Ruukki Invest Oy
- Ulea Oy
- Vapo Oy
- Versowood Oy





HEINOLA Packaging

By packaging, we create a form and a cover for the sorted sales batch, tailor-made of course. Our packaging machines stack the layers and ends straight, and position the laths, straps, labels and protective coverings automatically and individually. We have several basic system types, and we modify these with functions that meet the particular needs of each customer. Our machines are have a reputation as reliable and efficient plant which keeps pace with the speed of the sorting line to make neat packages for sending on to the customers. In the latest solutions, the pieces travel as a "mat" straight to the stacker. The laths are inserted into the package automatically according the package width; and the package rises automatically to an ergonomic working height for the finishing stage, when the various protective covers are put on.

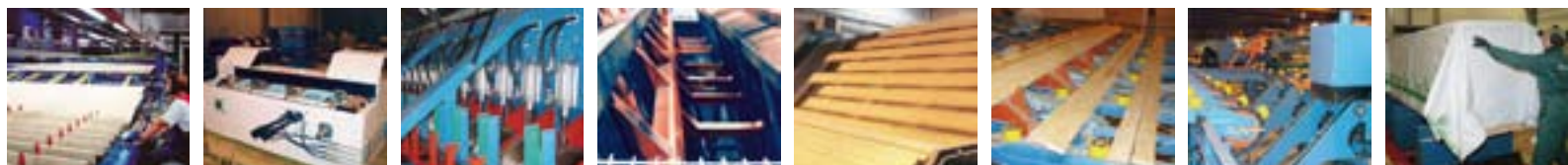
Characteristics

- 200 pcs/min
- 20 cycles/min
- 60 000 pcs/shift, 1300 m³/shift
- continuous stacking
- trimming to fixed lengths also in stacking
- pieces to stacking as "mats" or one by one
- package stacking in inclined position
- instruction data directly from automatic system

- package weighing
- binding, also with corner protectors
- various covering methods
- ergonomic finishing station
- automatic marking devices
- HEINOLA Automation

Latest deliveries

- Metsäliitto
- Stora Enso Timber
- UPM
- ER-Saha Oy
- Koskisen Oy
- Kuhmo Oy
- Luvian Saha Oy
- OOO Svir Timber
- Pihlavan Saha Oy
- Pölky Oy
- Ruukki Invest Oy
- SAEF AB, Östavallsågen, Ruotsi
- Ulea Oy
- Vapo Oy
- Versowood Oy





HEINOLA Modernizations

HEINOLA's long-life plants will adapt to new production needs, even many years from now. We listen to our customers' suggestions and continually supply new individual features for our plants, also for those that have served a long time already. The supply of hundreds of machines and solutions ensures we have all the experience in making even the smallest changes to production plants. Our modernization elements have enhanced several plants.

New features for green sorting and sticker stacker

- careful infeed by sequenced feeders
- efficient feeders
- turn wheels for piece flow
- green sorting equipment
- trimming systems
- tray sorter
- automatic stick infeed
- additional hoist
- HEINOLA Automation

New features for dry sorting and packaging

- additional hoist for infeed
- stick receiving equipment
- by-passing of unscramblers
- trimming systems
- various bin solutions
- efficient feeders
- adjustable laths
- ergonomic finishing station
- package wrapping station
- package weighing
- HEINOLA Automation

Latest deliveries

- Metsäliitto
- Stora Enso Timber
- UPM
- Vapo Oy
- Versowood Oy
- And all the sawmills already mentioned in this brochure, as well as many other progressive sawmills in Finland and abroad.





"To work in HEINOLA is being part of several decades acquiring knowledge, experience and responsibility. Our company responds to our customers' needs with innovative technology. We in HEINOLA believe that it is possible to find the solutions in our changing world."

Olli Vanhala, Sales Manager

HEINOLA SAWMILL SOLUTIONS
SAWLINES • EDGERS • LUMBER HANDLING •
DRYING KILNS • CHIPPERS • AUTOMATION • SERVICE

 **HEINOLA**

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