

HEINOLA sawmill solutions

DRYING KILNS



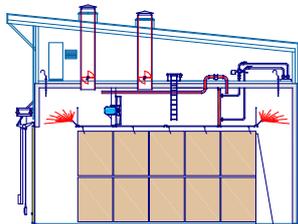
HEINOLA drying kilns

HEINOLA drying kilns are primarily aimed at the Nordic sawmill industry which is the basis for our design process. The HEINOLA Drying kilns are always designed and manufactured to meet the need of every individual customer considering their capacity requirements and possible future extensions. The HEINOLA Drying kilns are made to suit modern requirements and meet the quality and quantity objectives. There drying kilns give HEINOLA the opportunity to broaden the service we offer to our sawmill customers.

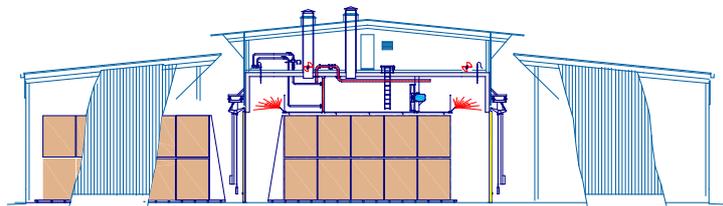
We offer the sawmill industry a competitive alternative for their drying kiln investments. With our products, we are closely involved with different sawmill process stages, and our drying kilns allow for the connection of these processes to stick stacking and dry lumber sorting lines. And all this from one supplier – HEINOLA. HEINOLA has a strong track record and expertise in planning supply projects and plant automation. Both of these are also required for drying kiln solutions.

HEINOLA CHAMBER KILNS

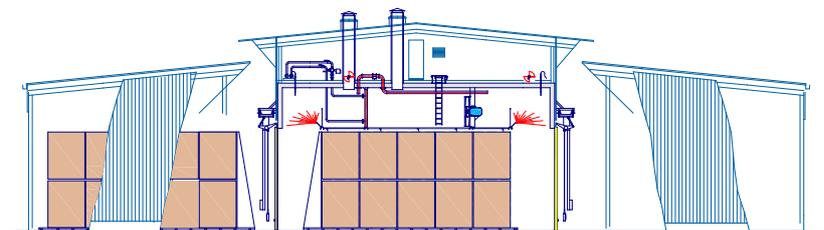
Forklift-loaded chamber kilns are designed for drying small packages regardless of dimensions, timber species and required moisture content. State-of-the-art automation ensures a fully-controlled drying process and the required end result. Kiln cart-loaded chamber kilns offer shorter loading/unloading time which improves the kiln's utilization rate. The shelter on both sides of the kiln can be used as a temporary storage space. There are three types of HEINOLA HCH chamber kilns available: forklift-loaded chamber kiln, drive-through chamber kiln and E-cart-loaded chamber kiln.



Forklift-loaded HEINOLA HCH chamber kilns are excellently adapted to the production process of small and medium-sized sawmills



Drive-through HEINOLA HCH chamber kiln with carts or roller tracks



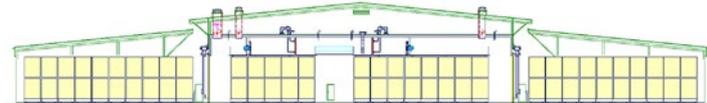
E-cart-loaded HEINOLA HCH chamber kilns enable the unloading of the cart while the chamber kiln is in operation.

HEINOLA PROGRESSIVE KILNS

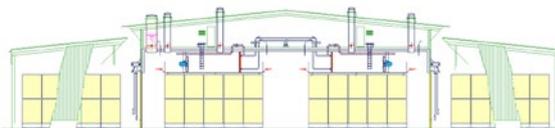
Two-zone continuous progressive kiln is best suited for large-scale production. Best results are achieved when drying one dimension and tree species continually to the same end moisture content. Loading and unloading can be automated. There are three types of HEINOLA progressive kilns available: HTC progressive kiln, HFB progressive kiln and Hybrid kiln™.



2-zone HEINOLA HTC progressive kiln



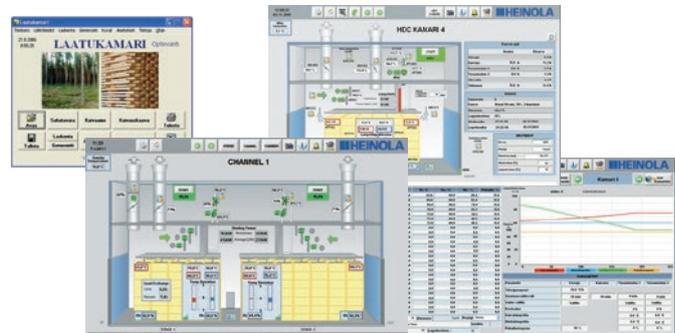
2-zone HEINOLA HFB progressive kiln



Multi-purpose kiln, HEINOLA Hybrid kiln™, can be used either as two chambered or two-zone progressive kiln.

HEINOLA DRYING KILN AUTOMATION

The HEINOLA drying kiln automation and control system is flexible and easy to use. Creating default settings and using the control system is similar to the Windows operating system, where windows can be chosen from a drop-down menu. The Drying Kiln automation system can be equipped with a Drying Kiln Simulator which optimizes transfer of the inner moisture for the pieces to be dried as well as their shrinkage and drying tensions.



HIGH-QUALITY COMPONENTS AND CUSTOMER-BASED DELIVERIES

All kilns can be equipped with energy-saving heat recovery units. Pneumatic pressure frames improve the quality of drying both in chamber and progressive kilns. Modernising and renewing old kilns improve the quality of drying and increase capacity. Circulation fans are equipped with frequency converters so that the amount of air and energy consumption can be adjusted to be optimal for each stage of the drying process. A kiln constructed of stainless steel elements is long-lasting, maintenance-free, heat and moisture resistant and well-insulated. This allows the use of high temperatures in kilns.



HEINOLA drying kiln team has decades of expertise, including hundreds of drying kiln references, in solving the drying kiln problems in the Nordic sawmill industry. Our newest 3D-drying kiln design systems ensure quick delivery time, easy installation and smooth start-up of the kiln.

HEINOLA care -services

HEINOLA care -service concept covers maintenance and repair services, and spare parts, for targets ranging from individual machines to complete sawmills.



**SPARE
PARTS**



**MECHANICAL
MAINTENANCE**



**CONTRACT AND
PREVENTIVE
MAINTENANCE**



**AUTOMATION
MAINTENANCE**



**REMOTE
SERVICES**



MODERNISATION

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

 **HEINOLA**

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