

HEINOLA

HEINOLA SAWMILL SOLUTIONS



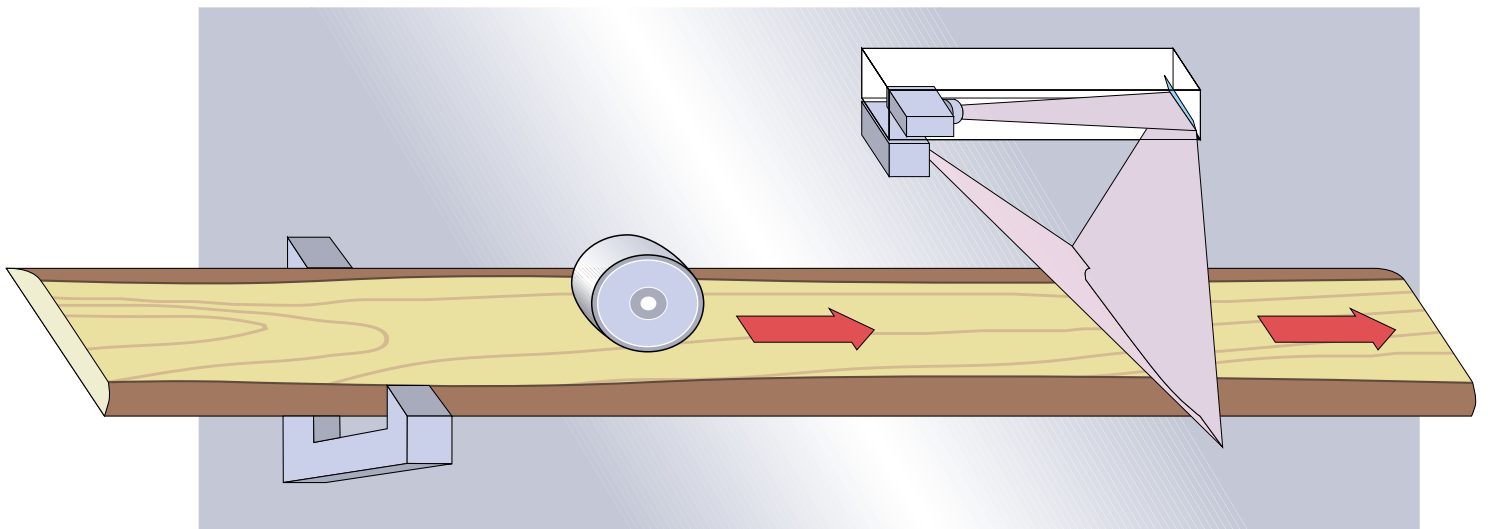
Optimizing Edger from Heinola
ASY 600

The superior edging system

The optimizing edger from Heinola Sawmill Machinery Inc. is based on the well-known and reliable design of ASY 600. Dozens of these machines are in use in sawmills all over the world. The basic idea is that centering, acceleration, scanning and edging all take place on the same straight line, without any transverse movements of the board between scanning and edging.

We are of course using the newest components and a further developed optimizing software today.

The line speed is higher than earlier and the functions are more precise, so the capacity is more than 40 boards per minute while the yield still reaches the unique level of 99 %.



The correct scanning method makes no mistakes

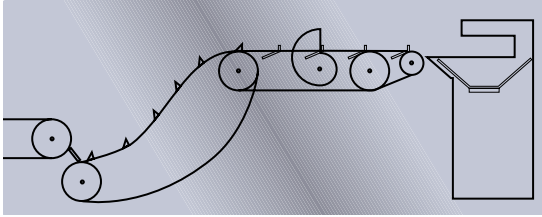
This ideal working design avoids the mistakes of transverse scanning and setting methods; typical when using high line speeds and when positioning the boards between scanning and edging. The length-wise scanning method of the ASY 600 consists of three stages: centering -acceleration -scanning. The unedged board is centered parallel to the edging line with centering arms. Precise centering is not necessary with the ASY 600, as any inaccuracy is compensated later by the saw positioning.

After centering, the board is pressed firmly against the in-feed chain and accelerated to full speed. The scanning begins when the board has achieved full line speed. The edger's saws automatically move to the optimal position and the edging starts. In this system, no positioning or alignment of the board is needed after scanning; the saws are the only settable objects.

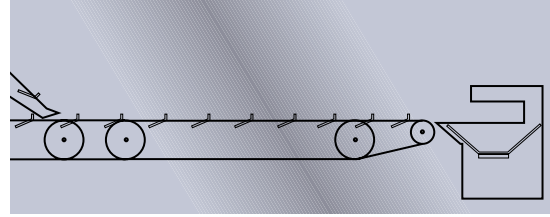
Skew cutting maximizes the yield

Often the best board position for maximal yield is not exactly parallel to the in-feed line. Therefore the ASY 600 edging computer controls the saws before and during the sawing. The saws can be moved sideways, but the distance between the saws remains the same. This skew cutting method is a unique feature, which increases the yield to the maximum. The indefinite setting of the saws also allows non-traditional edging, like edging along the chosen edge line.

Versatile in-feed systems

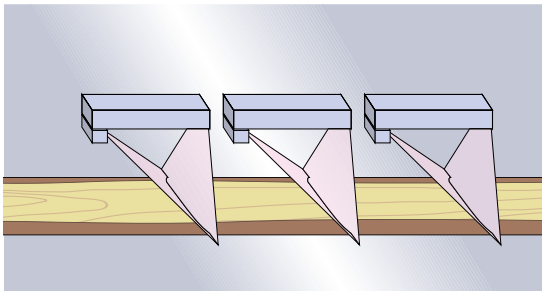


The in-feed system with unscrambler is at its most effective, when boards are taken from the optimizing edge from various sources. For instance, with a conventional high-capacity saw line, the third load-balancing optimizing edge should be equipped with unscrambler. The unscrambler design allows smooth handling of the boards, has a reliable and efficient singulating function and is able to clear the possible congestion on the storage cross conveyor feeding the optimizing edge.

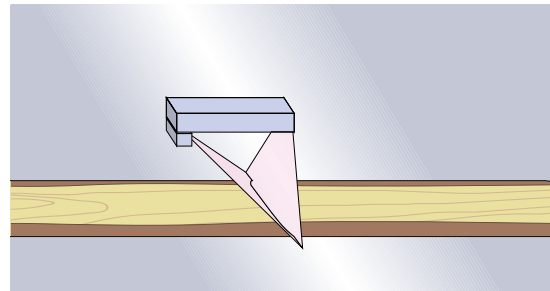


The unmanned, controlled in-feed system is a modern solution, allowing for a smooth flow of boards from the saw line to the optimizing edge. Once the boards are taken down from the saw line in a controlled manner, they are not mixed or turned again, which allows for the design of the mechanical parts of the optimizing edger's in-feed side to be very simple and reliable. The system is also suitable for 2+2 sideboard cutting patterns.

Scanning system to meet the available space



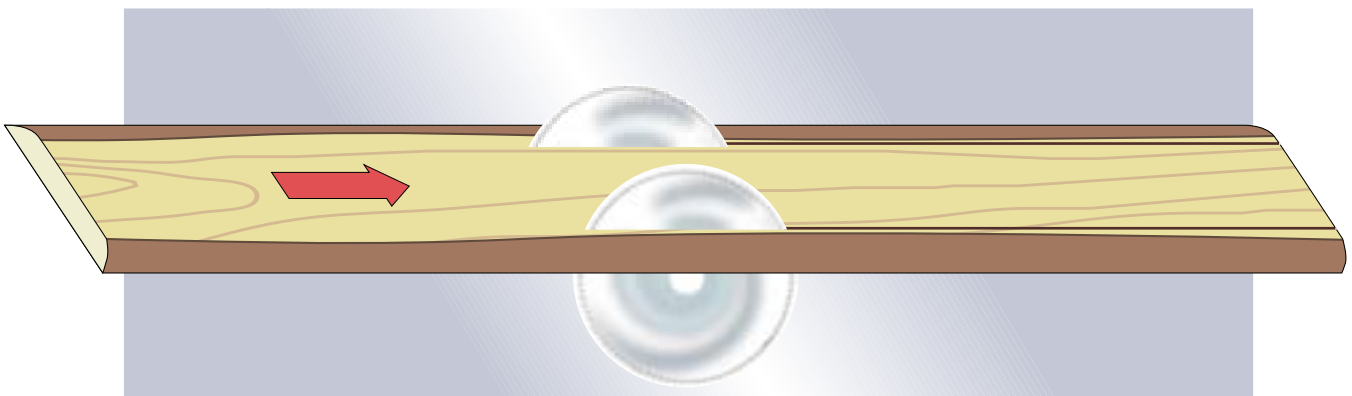
The basic ASY 600 scanning system with three consecutive scanners needs the minimum of length and is an ideal choice for sawmills with limited room length. The single scanner version is an economical choice and



fits perfectly in, for instance, saw lines with secondary profiling. In these saw lines, there is ample length available for the optimizing edger for the primary sideboards.

Saw edger ss 12

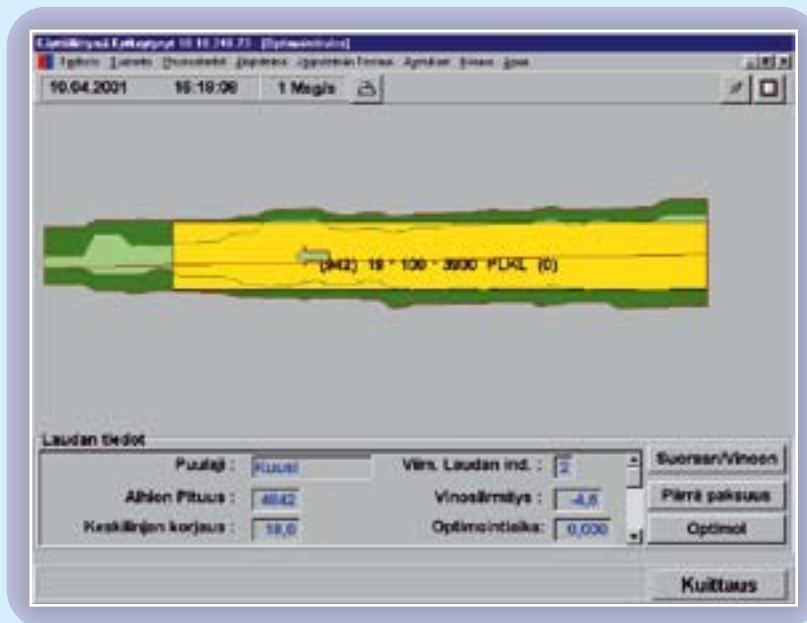
The efficient and simple saw edger SS 12 with two saws is a well-known and reliable edger for ASY 600. The uncomplicated design and reliable out-feed conveyor guarantee high and trouble-free production flow. For multiboard edging solutions, the ASY 600 optimizing edger is available with various types of multi-saw edgers.



Automation system especially for this purpose

Edging boards on a conventional edging line has traditionally been the superior method of obtaining the highest possible yield. The key to the high yield is an advanced scanning and optimization system combined with precise mechanical edging equipment capable of implementing the optimization result.

The data-processing capacity of the Heinola automation system is sufficient even for future requirements. The system consists of standard components, with assured long-term availability.



The operator communicates with the system via the familiar Windows® user interface. The Heinola automation system incorporates a remote control facility, which can be used over any distance and allows our specialists to modify the operating parameters or track the cause of malfunction in co-operation with the sawmill personnel.

Heinola Sawmill Machinery Inc. is a Finnish supplier of machinery and equipment for saw and edging lines, lumber handling applications as well as stationary and mobile chippers. Over one hundred years' experience combined with constant product development and our maintenance and modernization services make Heinola a truly reliable partner for the sawmill industry.

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

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