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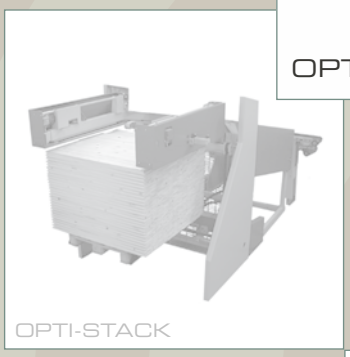
OPTI KAP

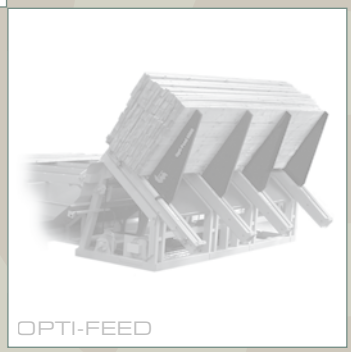
OPTI-KAP

Optimizing Cross-Cut Saw
Opti-Kap 5000

OPTI-KAP



OPTI-STACK



OPTI-FEED

Optimizing Cross-Cut Saw

Opti-Kap 5000

- Intelligent optimizing cross-cut saw

With impressive power, intelligent performance and a high level of safety, the Opti-Kap 5000 is going to set new standards for the future of optimized cross-cutting.

The Opti-Kap 5000 will along with today's scanning technology and System TM's optimizing software, ensure you an optimal utilization of your lumber in the best possible way - all with an unbeatable high capacity.

System TM's optimization software ensures a perfect utilization of your wood resources with a minimum of waste. This will provide a higher yield and increased efficiency in your production.

Designed to meet your production requirements, the Opti-Kap 5000 can be mixed and matched with System TM's Opti-Feed and Opti-Stack solutions.

Why choose an Opti-Kap 5003?

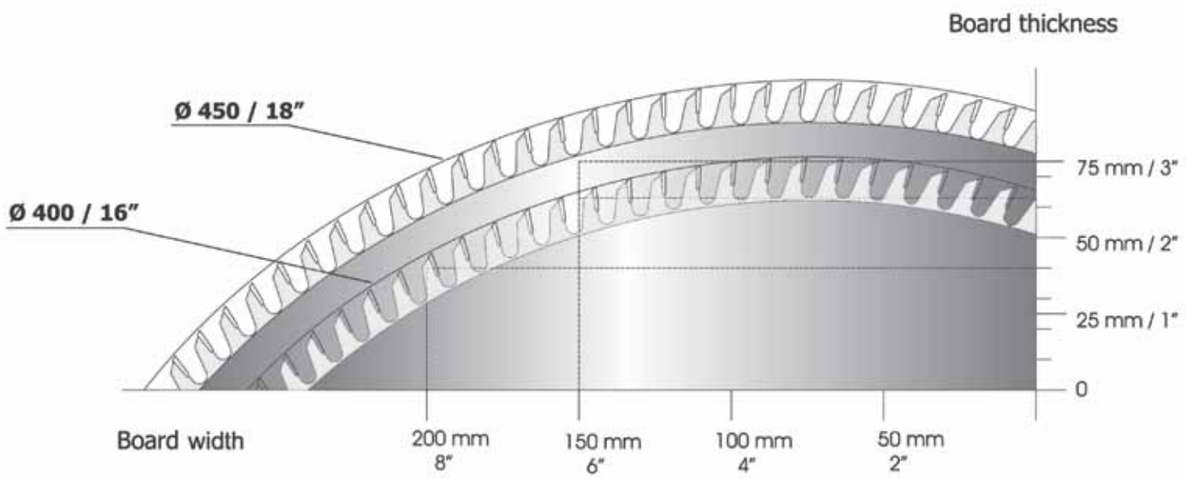
- Integrated infeed rollers and outfeed belt for an optimal handling of the workpieces
- Excellent for use in productions where the final cut and length accuracy is of the utmost importance, including e.g. kitchen cabinet and architectural moulding manufacturers.
- New smooth saw blade stroke for the best kerfs that insure a minimum of tear and break outs
- Intelligent performance and an unbeatable capacity
- Maximum lumber utilization
- System TM's well proven software control for an optimal uptime
- Intelligent top pressure rollers for a precise and fast positioning of the workpieces

Technical information

• Board length:	500 – 6,300 mm (3′ – 20.7′)
• Board width:	30 – 200 mm (1″ – 8″)
• Board thickness:	10 – 75 mm (0.40″ – 3″)
• Minimum cross section:	10 – 30 mm (0.40″ – 1″)
• Maximum cross section:	50 – 200 mm (2″ – 8″)
• Minimum cross cut length:	100 mm (4″)
• Cross cut length accuracy	
- for lengths up to 1 m (39″):	± 0.8 mm (0.03″)
- for length longer than 1 m (39″):	± 1 ‰ of the length
• Minimum cross-cut lenght at board end:	115 mm

Capacity

• Acceleration:	Up to 54 m/s² (164 ft/ s2)
• Saw motor:	7 kW
• Speed of sawblade stroke :	0.08 seconds



*Technical data subject to change without prior notice. The data may vary according to the specific design of the line. Please contact us if you need any futher information.

Opti-Kap 5003

Standard features

- Infeed roller conveyor
- Integrated acceleration belt
- PC user interface
- Optimizing programme
- Electrical equipment and control programme
- Safety fences

Optional features

- Minimum board length of 300 mm
- Random board thickness
- Random board width
- Sorting system
- Opti-Feed (infeed equipment)
- Opti-Stack (stacking equipment)
- Waste belt
- Scanning technology

Cutting methods

Raw timber before cutting

Opti-Kap 5001
Full optimization

Opti-Kap 5002
Full optimization. Manual defect and quality marking

Opti-Kap 5003
Full optimization. Automatic scanning of defects and quality

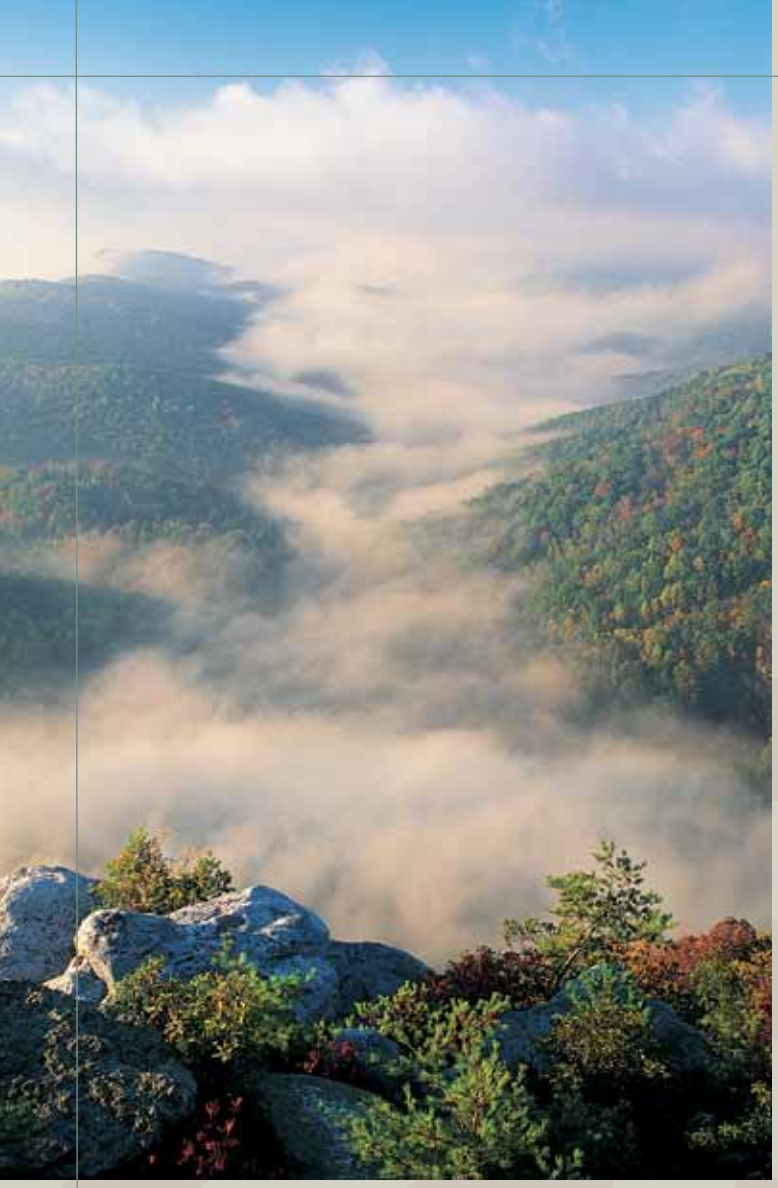
A = A quality
B = B quality
C = C quality
D = Defect
F = Finger joint
R = Re-rip
T = Trimming
W = Waste

Accurate infeeding by integrated double top and bottom rollers

Small distance between the rollers – allowing outfeeding of short workpieces

Double supported rollers for optimal workpiece contact

Integrated acceleration belt with driven fence for quick and inline outfeeding of workpieces



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Optimization of staff and wood resources

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