www.systemtm.com

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

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

System TM's optimizing software will ensure you optimal utilization of 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, Opti-Kap 5000 can be mixed and matched with System TM's Opti-Feed and Opti-Stack solutions.

Why choose an Opti-Kap 5000?

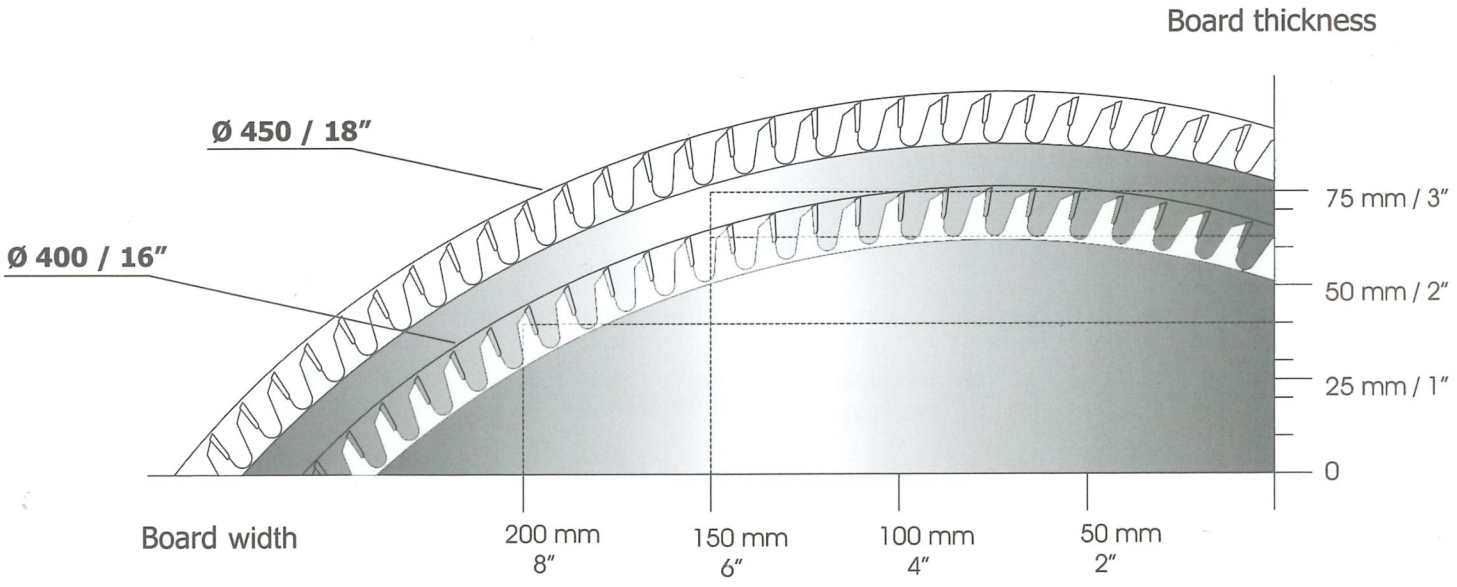
- Integrated infeed rollers and outfeed belt for optimal handling of workpieces
- Excellent for use in productions where the final cut and length accuracy is of highly importance, e.g. kitchen cabinet manufacturers, architectural mouldings, etc.
- New smooth saw blade stroke for best kerfs to insure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

Technical information

- Board length: 500 – 6,300 mm (3′ – 20.7′)
- Board width: 30 – 200 mm (2″ – 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

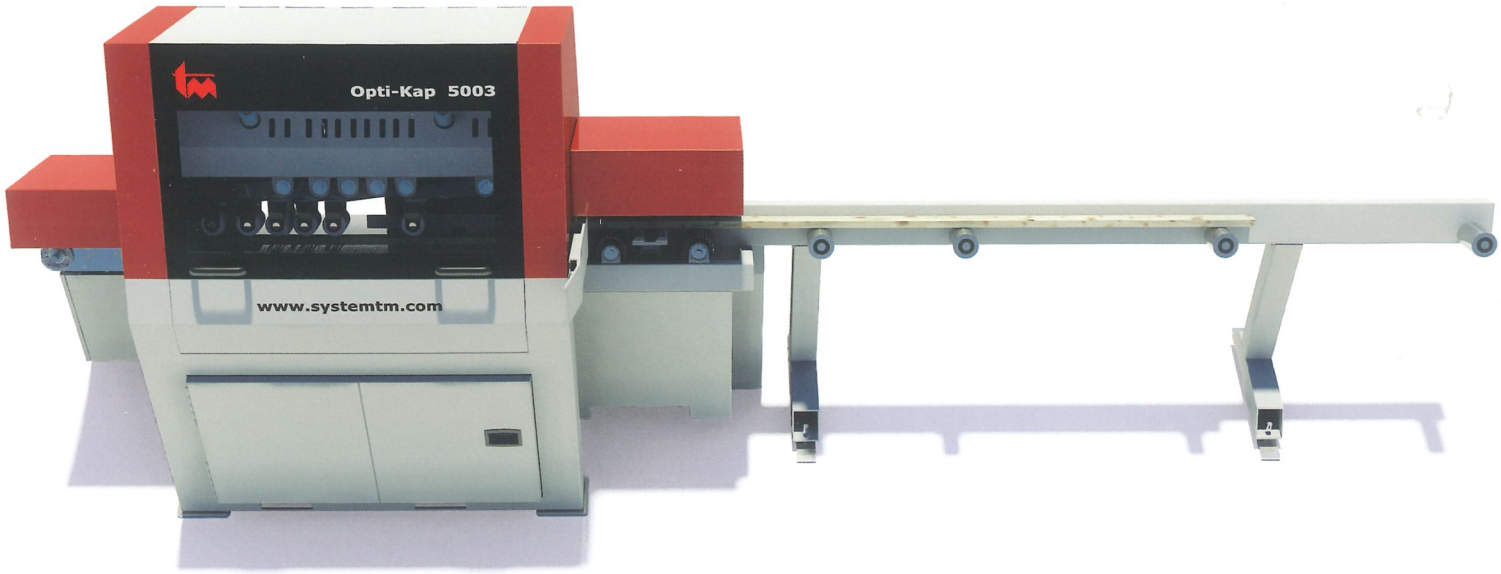
Capacity

- 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

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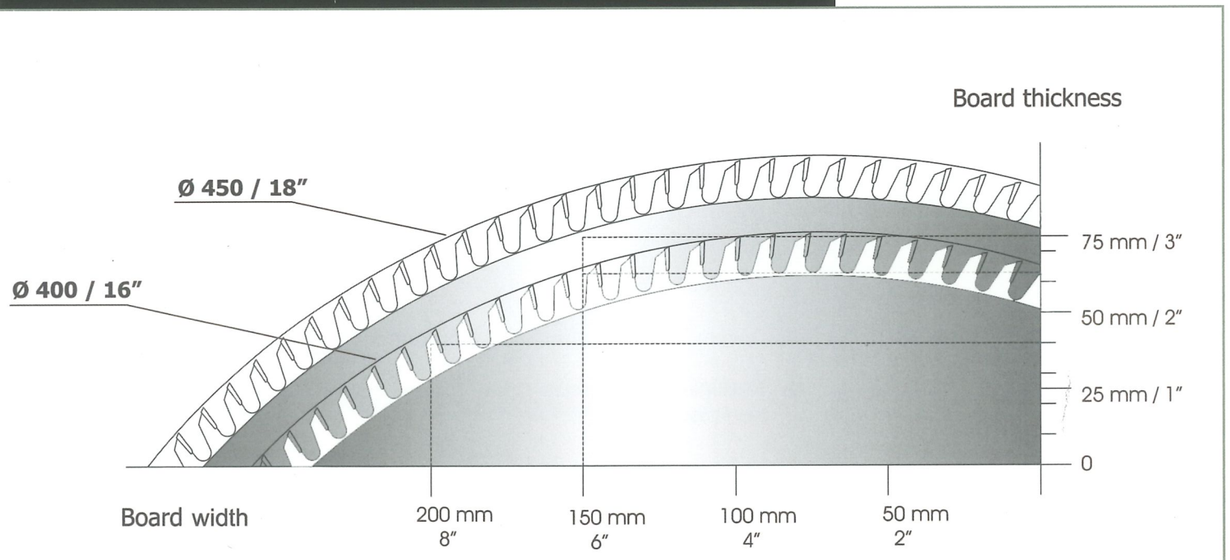

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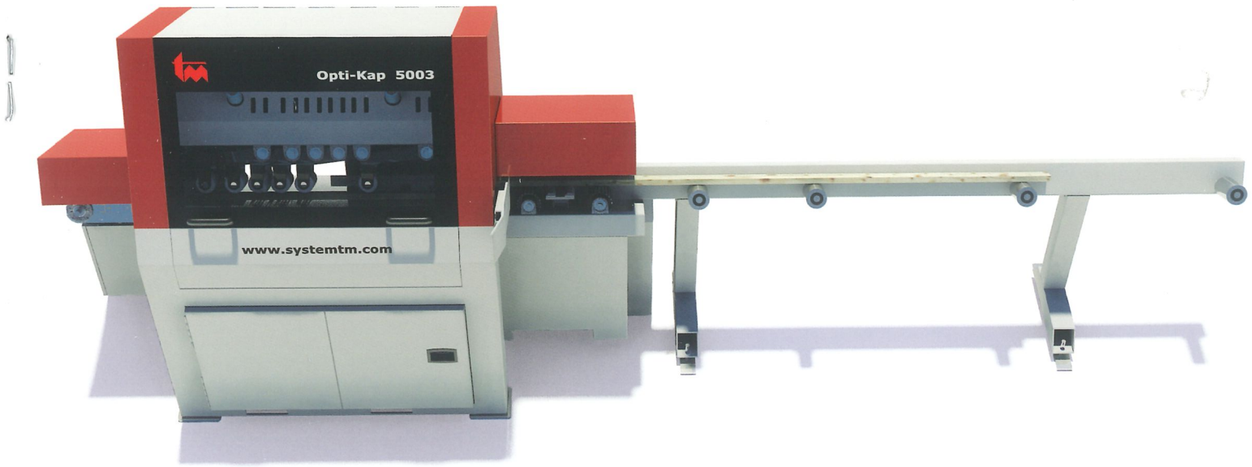
Opti-Kap 5003



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Cutting methods

Raw timber before cutting

Opti-Kap 5001

Full optimization

Opti-Kap 5002

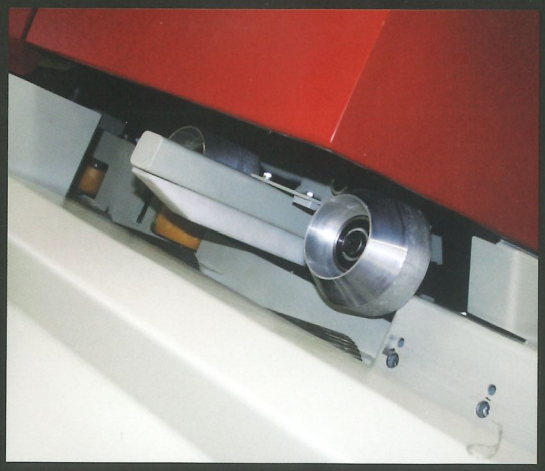
Full optimization. Manual defect and quality marking

Opti-Kap 5003

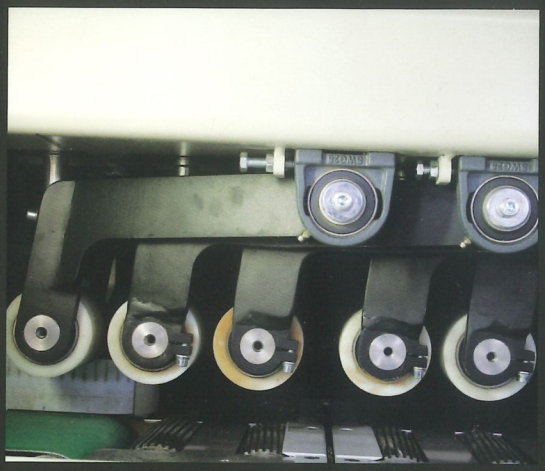
Full optimization. Automatic scanning of defects and quality

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

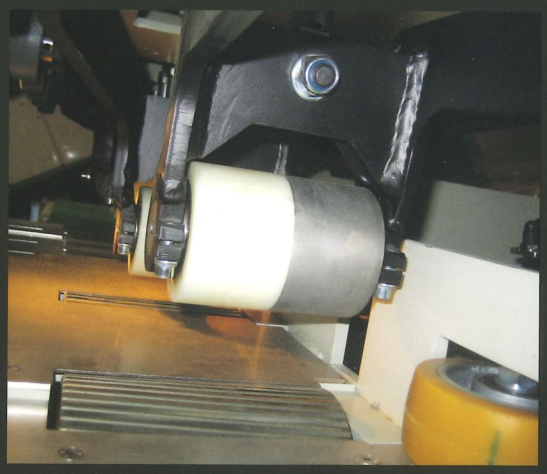
Accurate infeeding by integrated double top and bottom rollers



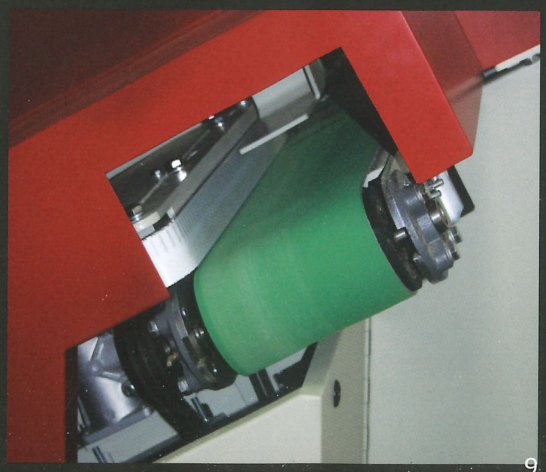
Small distance between the rollers – allowing outfeeding of short workpieces



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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