

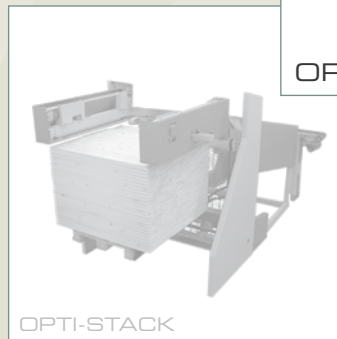
OPTI-KAP

OPTI-KAP

Optimizing High-Speed
Push Cross-Cut Saw
Opti-Kap 1000



OPTI-KAP



OPTI-STACK



OPTI-FEED



High-Speed Push Cross-Cut Saw



Opti-Kap 1000 - a series of optimizing high-speed push cross-cut saws

High cutting accuracy, durable construction and focus on easy, fast and reliable operation is what characterizes the Opti-Kap 1000 series.

The Opti-Kap 1000 automatically recognizes the length as well as marked defects and cuts the parts with an accuracy good enough to proceed straight to assembly. The clamping unit combines the benefits of a high efficiency "Through-Feed" saw with the accuracy of a "Push-Feed" cross-cut saw. Opti-Kap 1000 has a positioning accuracy of ± 0.1 mm (0.004").

Designed to meet your production requirements, Opti-Kap 1000 can be mixed and matched with a wide range of infeed (Opti-Feed) and feed-out (Opti-Stack) solutions.

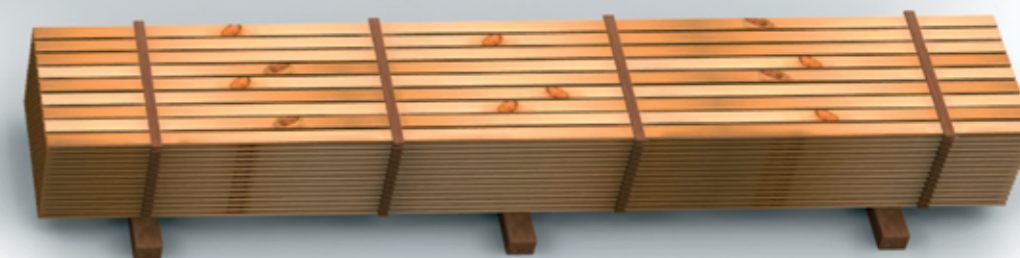
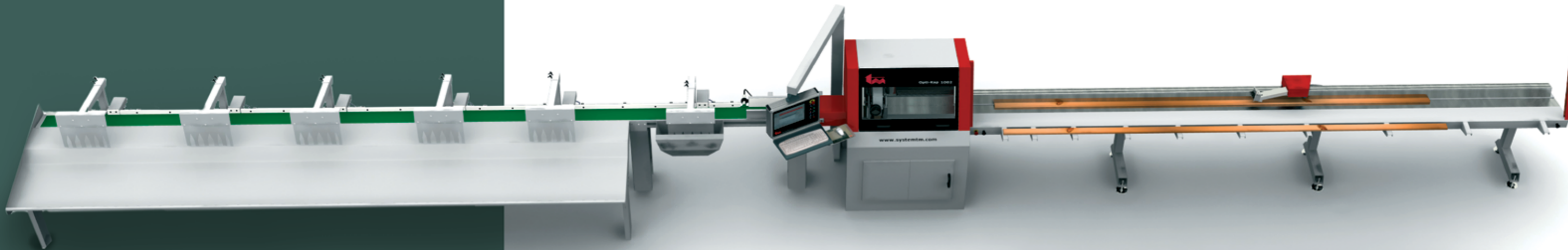
Opti-Kap 1000 is an optimizing cross-cutting solution which ensures you optimal utilization of your staff and wood resources with a minimum of waste. This will provide both a higher yield and increased efficiency of your production.

Why choose an Opti-Kap saw from System TM?

- The most heavy duty and durable push cross-cut saw on the market
- Excellent for use in productions where the final cut and length accuracy is of the utmost importance, e.g. kitchen cabinet manufacturers, architectural mouldings, etc.
- Cutting accuracy good enough for workpieces to proceed straight to assembly
- Automatic registration of boards
- The optimizing software is integrated into a computer network
- 8 optimizing grades
- Can be upgraded to work with a scanner

9,800 mm (32')

7500 mm (25')



Technical information

- Board length: 300 - 4,800 mm (1' - 16')
- Board width: 20 - 300 mm (3/4" - 12")
- Board thickness: 10 - 50 mm (3/8" - 2") Saw blade Ø450 mm (18")
10 - 75 mm (3/8" - 3") Saw blade Ø500 mm (20")
10 - 100 mm (3/8" - 4") Saw blade Ø550 mm (22")
- Cut length: 25 - 4,800 mm (1" - 16')
- Air consumption: 300 l/min (79 gal/min) 6 bar (87 psi)
8 cuts in 4.2 m (14') board
- Waste extraction: 1,500 m³/hour (53,000 ft³/hour),
28 m/sec (92 ft/min), 180 Pa.

Opti-Kap 1000 capacity and tolerance

- Feed speed: 140 m/min (461 ft/min)
- Push arm return speed: 290 m/min (951 ft/min)
- Saw motor: 7.5 kW (10hP)
- Pusher positioning tolerance: ± 0.1 mm (0.004")
- Measuring tolerance: ± 2 mm (0.078")

Standard features

- Servo powered pusher unit
- Tilttable pusher unit
- Top and side pressure
- Pneumatically activated blade up/down
- All necessary safety fences

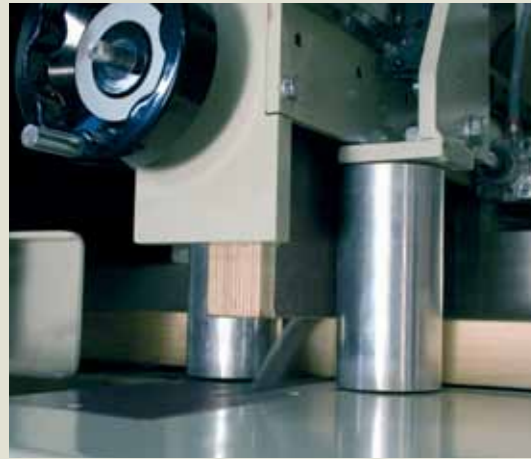
Optional features

- Servo driven saw blade up/down
- Clamping unit
- Infeed buffer chain conveyor
- Infeed table for long lengths, 6,300 mm (20½')

*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 further information.



Operator-friendly control panel



Top pressure unit and side adjustment rollers



With a return speed of 290 m/min (951 ft/min) the sensors registers defects, quality and measures the board length



Waste chute and sorting belt



High-speed pusher arm with special clamping unit for efficient and accurate cutting



optimization of staff and wood resources

Raw timber before cutting



Opti-Kap 1001

Full optimization



Opti-Kap 1002

Full optimization. Manual defect and quality marking



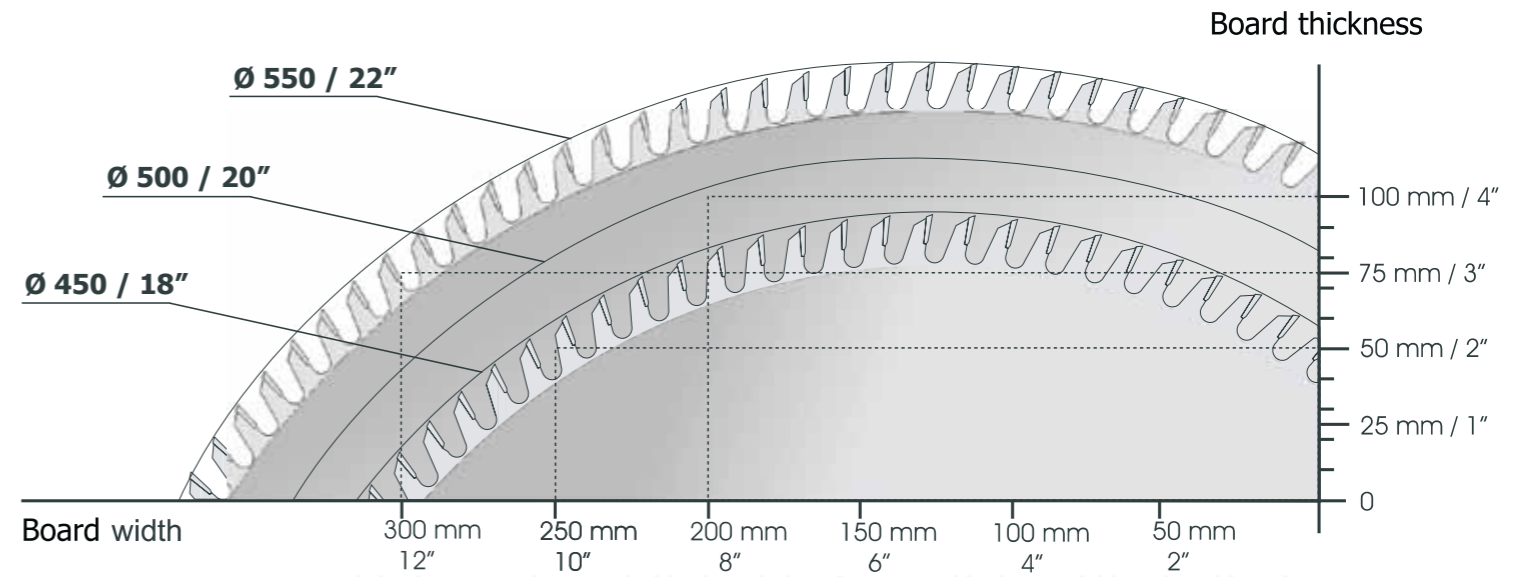
Opti-Kap 1003

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

Technical Features



6 Optimizing methods

- Minimum waste
- Value optimization
- Parallel ending of cutting lists
- Width optimization
- Thickness optimization
- Length x number

Opti-Kap computers

- User friendly PC with software everyone can operate
- Web-based PC with external log-on option
- Data can easily be changed via the simple user interface
- Multiple saws in one production line can be controlled by one optimizing computer



Opti-Kap 1002

- Manual infeeding
- High-speed push cross-cut saw, Opti-Kap 1002
- Sorting belt with five pneumatical kickers
- Manual stacking

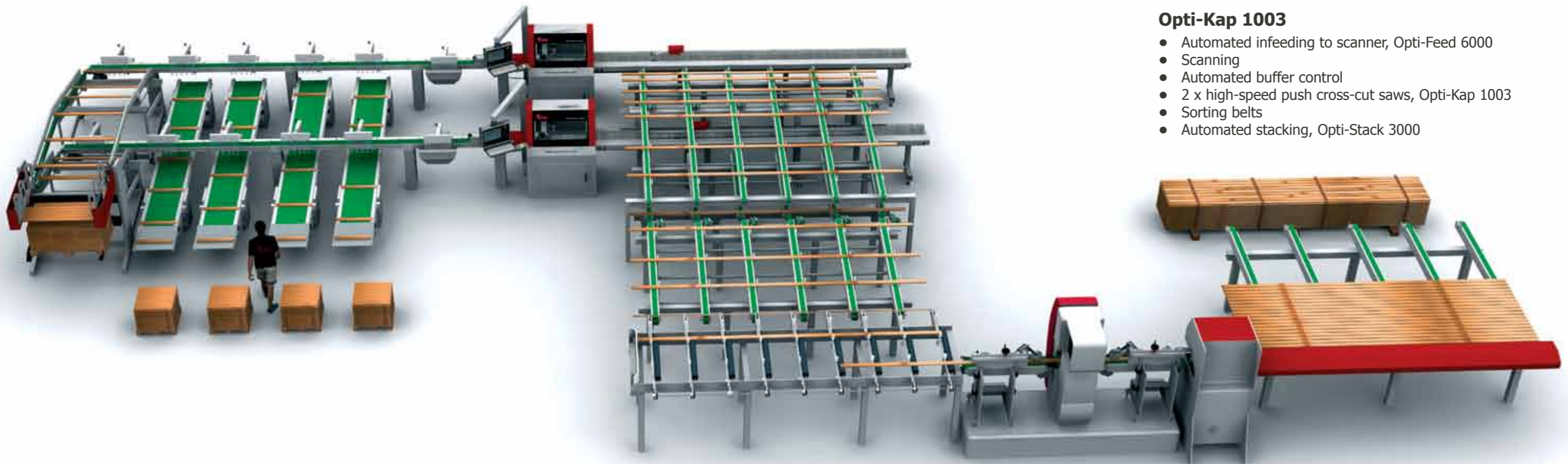


Opti-Kap 1002

- Automated infeeding to Opti-Kap 1002
- High-speed push cross-cut saw, Opti-Kap 1002
- Sorting belt with five pneumatical kickers
- Manual and automated stacking with Opti-Stack 3000



Solutions with Opti-Kap 10000



Opti-Kap 1003

- Automated infeeding to scanner, Opti-Feed 6000
- Scanning
- Automated buffer control
- 2 x high-speed push cross-cut saws, Opti-Kap 1003
- Sorting belts
- Automated stacking, Opti-Stack 3000

Optimized production - guaranteed!



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▶ optimization of staff and wood resources...