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OPTI 599

Cross Cut Saws

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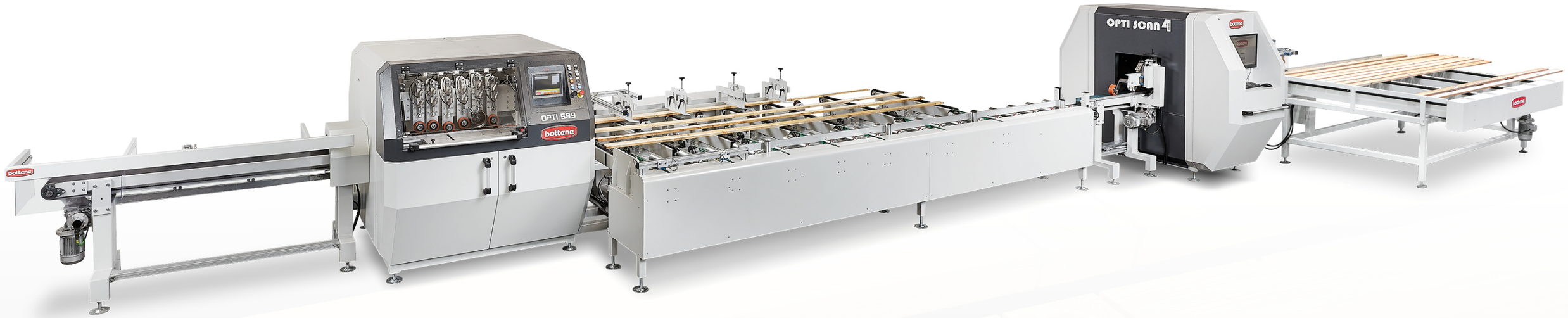

OPTI 599

The OPTI 599 is a high-performance crosscut saw which can increase your productivity up to 30% compared to traditional ones. Designed to be used in high-production lines for heavy-duty non-stop operation, it uses a driving system composed of hardened steel helical toothed roller and a powerful brushless motor that ensure a feed speed of 300 mt./1'
Cutting takes place by means of a pneumatic movement or connecting rods controlled by a brushless motor having a cutting time of 0.15 seconds. The wastes are ejected from the rear side of the machine during the cutting stage and the different sizes are separated on the sorting belt at outfeed by means of lateral ejectors.

The sizes of the boards and the defects marked with fluorescent chalk are detected by a separate reading station or in automatic thanks to the OPTI SCAN 4 scanner. The high-speed scanner controls every side of the board and reads its characteristics and defects so accurately that no operator can guarantee the same. The processed data are sent directly to the crosscut saw in order to make the cut.

Technical data

	OPTI 599
Blade diameter	450/550 mm
Motor power	5,5/7,5 kw
Feed speed	300 mt./1'
Cutting capacity	45×200 (ø450) mm 80×240 (ø550) mm

The OPTI SCAN 4 scanner scans all the characteristics of the boards with precision, their qualities, defects and dimensions; the software processes them and sends the results to the saws for the cutting operation.
The OPTI SCAN 4 laser sensors and cameras recognize the knots, the bevels, the pockets with resin, the veins, the red or blue nuances and bark. The software analyzes the dimensions of the defects and their locations as well as their compatibility with the operation that follow; it analyzes the veins and coulours of the surfaces in order to establish their qualities. The processed data provide an optimized cutting list with fixed sizes, sizes for finger joints, or boards for trimming.