



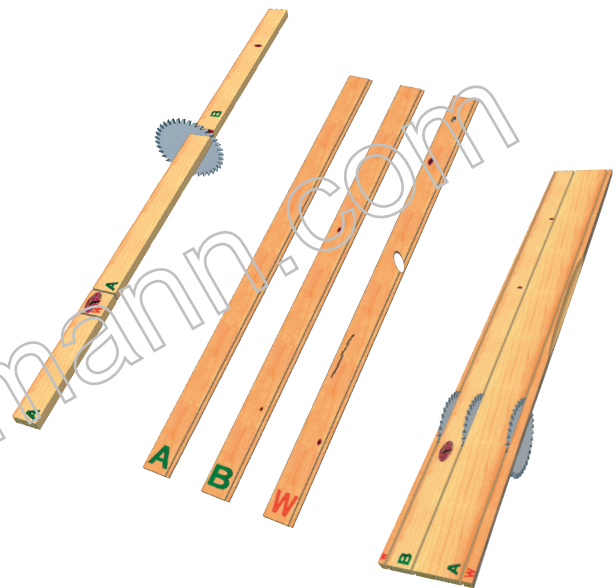
## X-Scan

C200 / C400 / C600

X-Ray Scanner specially designed for tough applications

### Features

- ✓ Internal scanning by X-Ray detection using density variation measurements.
- ✓ Surface scanning by a 4 sided optical scanner using multi-scan technologies (visual, tracheid and geometric profiling)
- ✓ Full defect detection: Wanes, Holes, Knots, Cracks / Splits, Pith, Resin, Stain, Decay,...
- ✓ Proven industrial sensor technologies
- ✓ Powerful 3D optimizing software and off-line simulation
- ✓ Supports for "chop for yield", "chop for value", and "chop to order" modes
- ✓ Extensive production reporting capabilities
- ✓ Built-in network capability
- ✓ Direct integration with all high performance optimizing saws
- ✓ PC based system
- ✓ Real Time Processing of random width boards in one order
- ✓ Options:
  - Color detection
  - Conveyor belts
  - Random width module
  - Ink jet printer



**X-Scan** is a proven 4 sided crosscut scanner which can automatically detect various types of knots, wanes, splits and other major wood defects.

The main advantage of this scanner model is **the possibility to scan internal defects using density variation**. Due to a higher density, the knots are detected, whatever the wood surface quality. **Presence of dirt, dust, grease, water, stain, etc. do not interfere with the detection of knots.**

**Random width operation:** To handle random width boards in the same batch, X-Scan measures the width of the board before scanning it. This enables a fast automatic positioning of the top/bottom and side cameras in real time.

**X-Scan features multi-scan technologies**, laser profiling, encoder based measurement, Windows environment and built-in network connections. The scanner can be integrated with all new types of optimizing saws. The benefits of the scanner include **decreased labor costs, increased yield, consistent throughput and higher flexibility** since the cutting / grading rules can be quickly and easily modified.

#### MACHINE INFEED / OUTFEED PARAMETERS

Board length	min. 1,20 m (4")	max. 6,00 m (20')
Board thickness	min. 12 mm (1/2")	max. 125 mm (5")
Board width	min. 25 mm (1")	max. 280 mm (11")

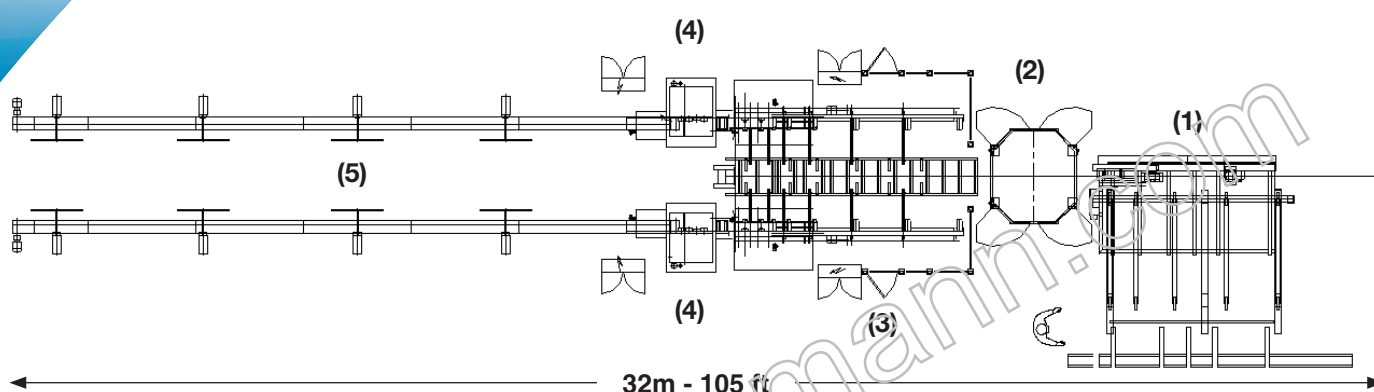
#### MACHINE SPECIFICATIONS

Working height	1050 mm (41 1/3")
Height	2300 mm (90 7/2")
Width	2200 mm (86 2/3")
Length	2000 mm (78 3/4")
Electrical input supply	380 V / 50Hz or 480 V / 60 Hz (or buyers specifications)
Compressed air	3 bar / 45 PSI
Typical feed rate	210 m/min (700'/min) faster speed on request designed to feed one or two crosscut saws
Applications	Scanning for cross-cutting Scanning for ripping Scanning for grading

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Sample Chop Line Layout:  
X-Scan with 2 saws



1. Batch feeder for scanner
2. X-Scan scanner
3. Y-transfer into saws
4. (2) Crosscut saws
5. (2) Sorting lines with kickers

