

Wanescan

Edging, trimming and ripping



The perfect edge

Wanescan Secondary Breakdown Optimizer is Microtec's proven solution for full profile wane scanning. Wanescan recognizes all dimensional irregularities, slabs and uneven edges of lumber and returns an exact wane profile of the board.

The sensors scan each board up to 2000 times per second and record position, inclination and depth of wane. Rough edges or chipper canter jumps are accurately identified in shape and position.

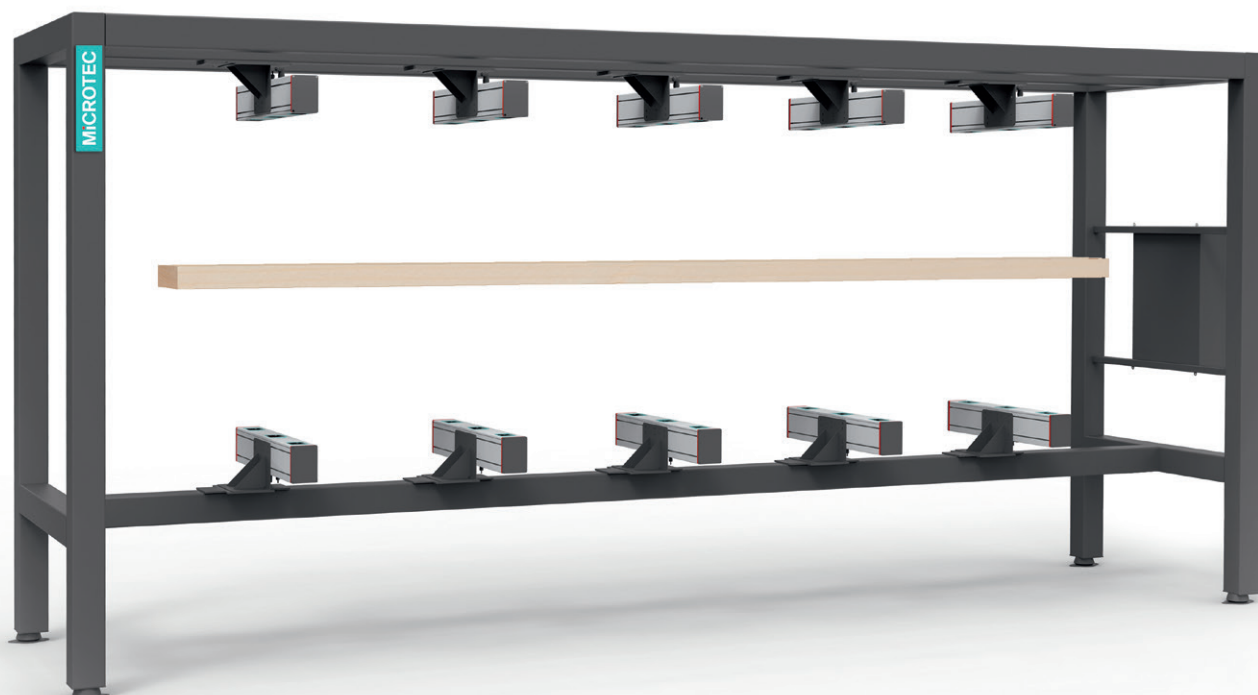
Wanescan works both in linear and transverse transport directions. Scanner modules are installed above and below the conveyor belt, recording both the top and bottom surfaces of lumber.

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Wanescan optimization software considers wane allowances as described by grading agencies as well as customer-specific product quality requirements. The system determines the optimal cutting pattern decision in a fraction of a second. Subsequent processes are refined and vastly accelerated by the software. This guarantees improved performance, higher production volumes, larger recoveries and increased resale value of the final products.

Wanescan features

- × Full profile reconstruction of lumber including position and shape of wane
- × Measurement on both sides with no need for board turning
- × Works in both linear and transverse transport
- × Takes into account slabs, dimensional irregularities, and uneven edges
- × Optimizes edging, trimming and ripping
- × Enables automatic sorting



| Wanescan features | Wanescan 301 | Wanescan 901 |
|----------------------------|---------------------------------|------------------|
| Transport direction | linear | transverse |
| Lumber measurement surface | top/top – bottom | top/top – bottom |
| Number of scanner modules | 1 – 4 | 1 – 16 |
| Conveyor speed | 500 m/min (1650 ft/min) | 240 lugs/min |
| Board cross-section | 300 × 500 mm (12 × 20 in) | |
| Board length | from 1 to 8 meters (3 to 26 ft) | |



World leading wood scanning solutions



Microtec
Via Julius-Durst Straße 98
39042 Bressanone/Brixen, Italy
T + 39 0472 273 611
info@microtec.eu
microtec.eu

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