

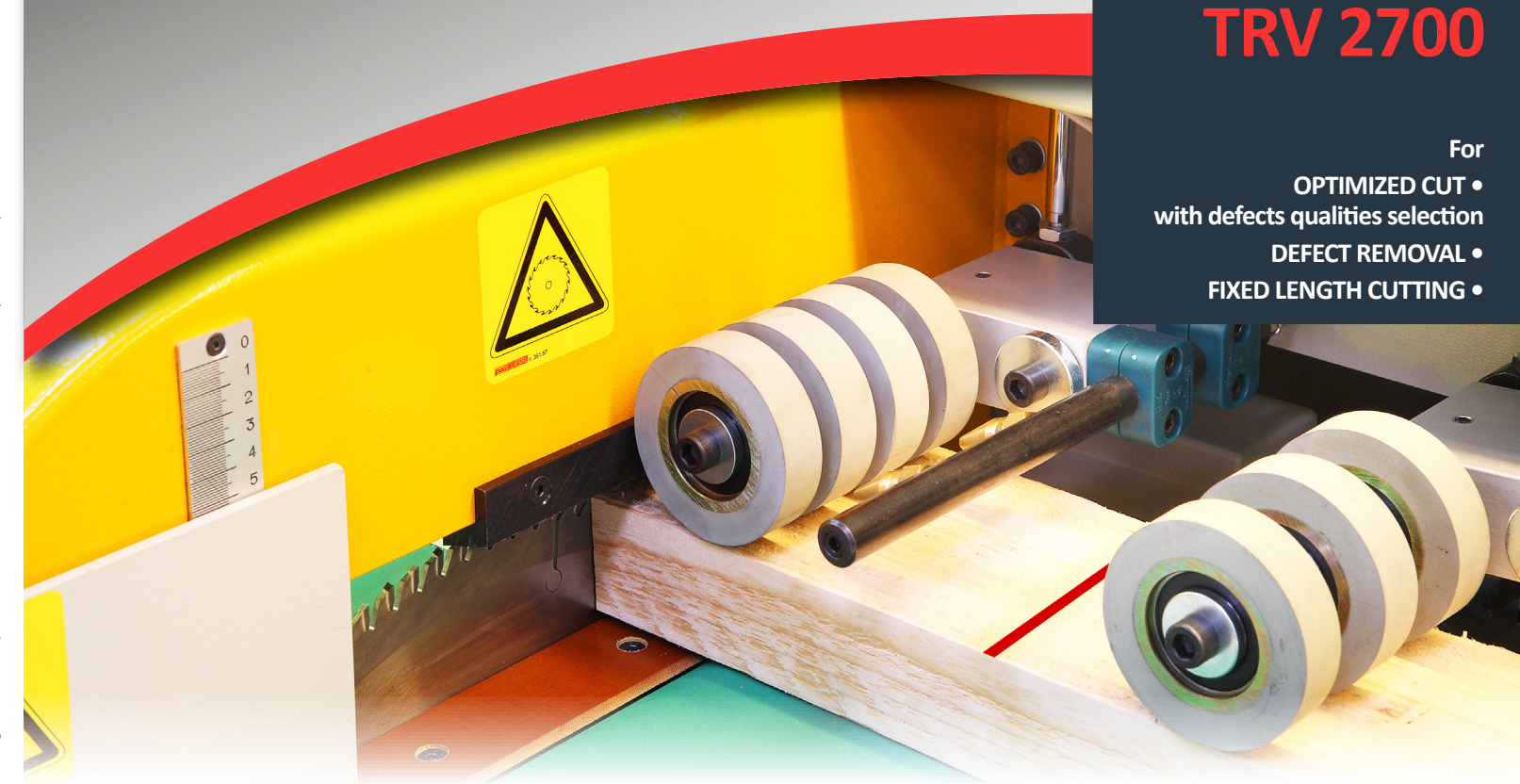


Crosscutting Solutions for the Solid Wood Industry

**AUTOMATIC
OPTIMIZING
CROSS-CUT SAWS**
series
**TRV 2200
TRV 2700**

For
OPTIMIZED CUT •
with defects qualities selection
DEFECT REMOVAL •
FIXED LENGTH CUTTING •

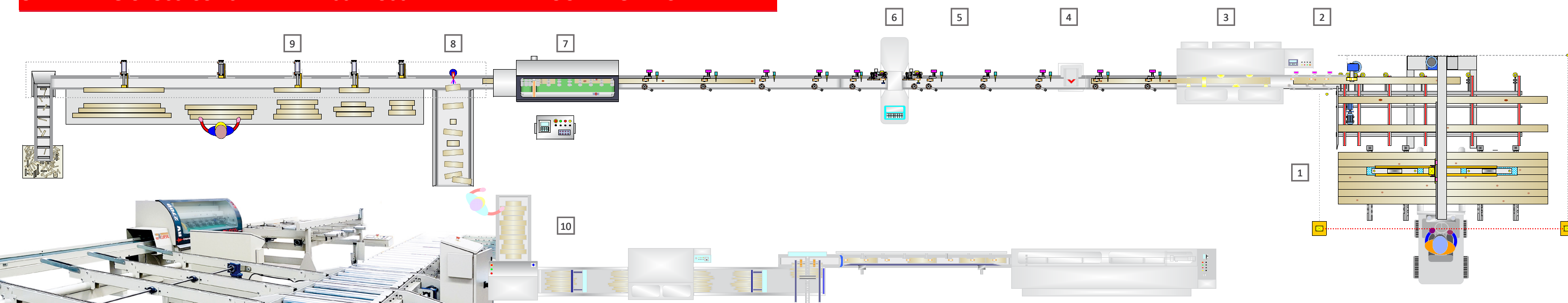
The manufacturer reserves the right to make changes without prior notice. This brochure cancels and replaces the previous ones



Wood industry experts choose Cursal

CURSAL, IN COLLABORATION WITH THE BEST PARTNERS OF THE SECTOR, PROJECTS FULL AUTOMATIC SYSTEMS. THE AUTOMATIONS ARE FULLY BY CURSAL, FROM THE FEEDER OF THE MOULDER TO THE DISCHARGE

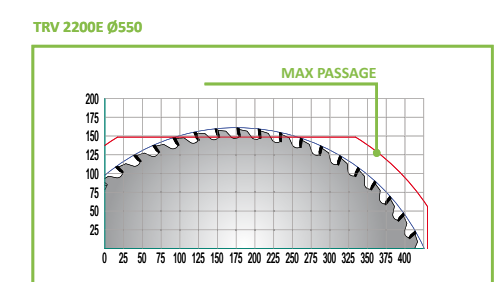
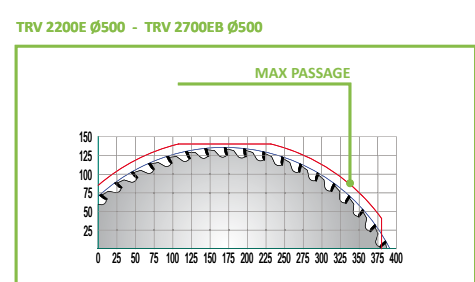
OPTIMIZING CROSS-CUT SAW TRV 2700EB 500 IN-LINE WITH MOULDING MACHINE



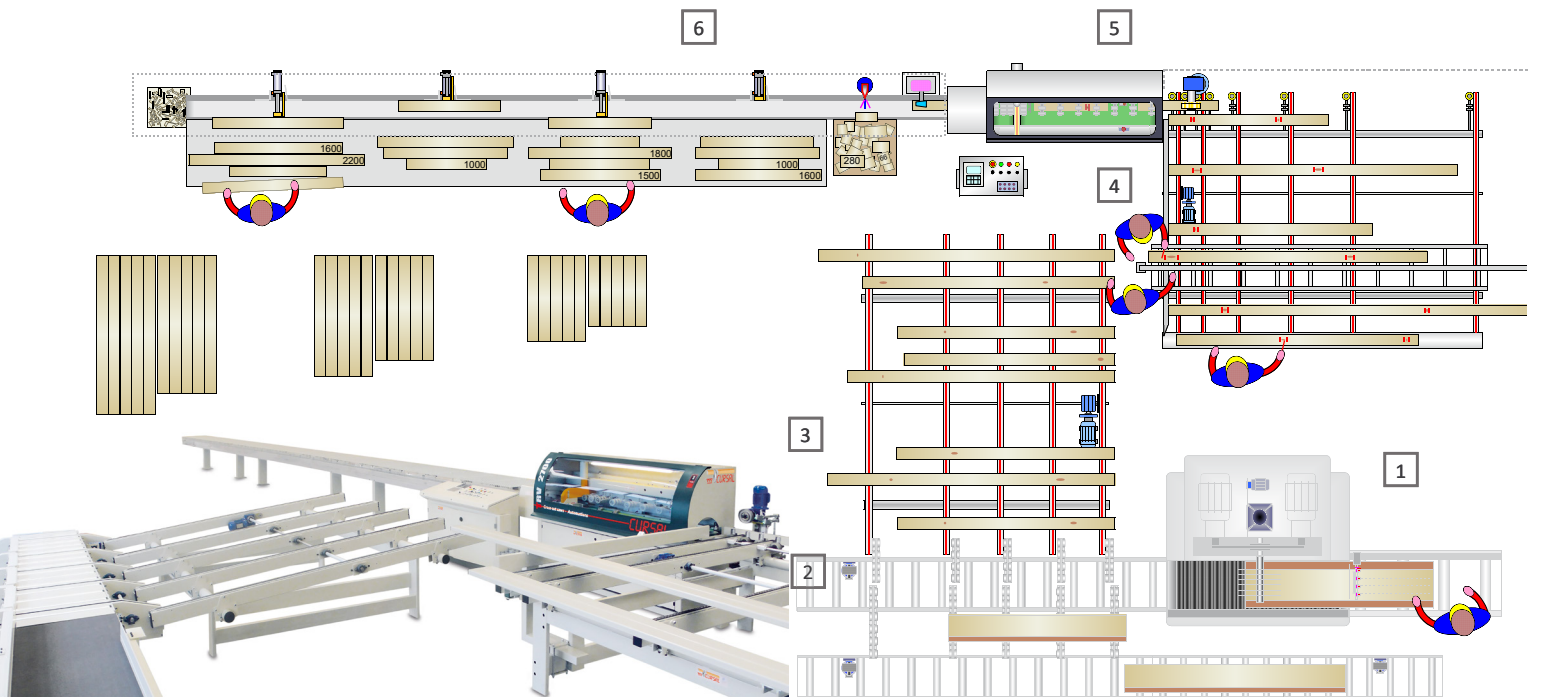
- 1 - Automatic feeder with vacuum system
- 2 - Chain feeder for moulding machines with device for singularization
- 3 - Moulding machine
- 4 - No-contact certified moisture measuring system
- 5 - Low wear transfers with synchronizing belts between the SCANNER and the cross-cut saw TRV 2700EB
- 6 - 4 sides coloured Optical SCANNER
- 7 - TRV 2700 EB High Speed Optimizing cross-cut saw
- 8 - Super fast no-contact ejectors for small pieces to be jointed
- 9 - Selecting belt for lengths, qualities and widths
- 10 - Finger jointing line

Standard technical data

Model	Power (KW)	Blade (mm)	Working height surface (mm)	Dust outlet Ø (mm)	Compressed air consumption (nl/min)	Average noise level on operator (DBA)	Max. forward speed (mt./min)	Cutting height on the guide (H mm)
TRV 2200E 500	8	Ø 500 Ø 35 Z/120	850 ±20	140 + 100	250	< 80	150 + 280	70
TRV 2200E 550	9	Ø 550 Ø 35 Z/120	950 ±20	140 + 100	250	< 80	130 + 250	95
TRV 2700EB 500	10	Ø 500 Ø 35 Z/120	850 ±20	140 + 100	80	< 80	150 + 300	70



OPTIMIZING CROSS-CUT SAW TRV 2200E 500 IN-LINE WITH MULTI RIP SAW



- 1 - Multi rip saw
- 2 - Pieces return system
- 3 - Transfer
- 4 - Defects marking station
- 5 - Optimizing cross-cut saw
- 6 - Selecting belt



Dealer

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tel. +39 0438 400963 - fax +39 0438 401851

MODELS IN THE VAN OF CONTINUOUS CYCLE OPTIMIZATION

Distinguished by the highest speed combined with high cutting accuracy and operation simplicity
 Skilled labor is not demanded, as the operator must only mark the defect, the rest is done by Cursal

ACCESSOIRES



- **NC RAPID EJECTOR (2/100 OF SEC).** It is installed on a NC belt series TSEP and ejects (centering them) pieces from 200 to 3000 mm. Each ejector can target different lengths, widths and qualities, without constraints
- **NO - CONTACT EJECTOR WITH HIGH SPEED.** Specific for pieces with lengths from 100 to 300 mm and light pieces with sanded/painted surfaces

- **PRINTER WITH WATER-BASE** TO CLASSIFY THE CUT PIECES (it prints alphanumerical codes)
- **PRINTER FOR LABELS MANUAL OR AUTOMATIC VERSION** (it prints bar codes)

- **LOADING SYSTEM**
 Automatic horizontal feeder with chains and device for singularization for cross-cut saw
 • It does not need of equipment at the change of planks
 • It can be loaded automatically by means of transfer or with an operator
 • Its convenience allows the cross-cut saw increase production from 25 to 30%
 • Modular structure

TRV 2200E the most manufactured optimizing cross-cut saw

- super fast (it has been self-limited at 300 lm/min)
- very accurate (it is used to cut finished profiles)
- modular structure
- multi-accessorized and is mainly **EXCELLENT IN ANY SECTOR!**

> It is known for its generosity of its components, structures, details and for its **minimum programmed maintenance** thanks to the removal of dynamic parts and passive transmission. The machine has been recently improved as regards the cutting precision, (it was already a reference in its category) speed and it is more silent.

THESE AND OTHER FEATURES HAVE CONTRIBUTED TO MAKING TRV 2200E THE OPTIMIZING CROSS-CUT SAW WITH THE BEST PRICE/QUALITY RATIO IN THE INDUSTRY.

TRV 2700EB The hoc solution for the industry

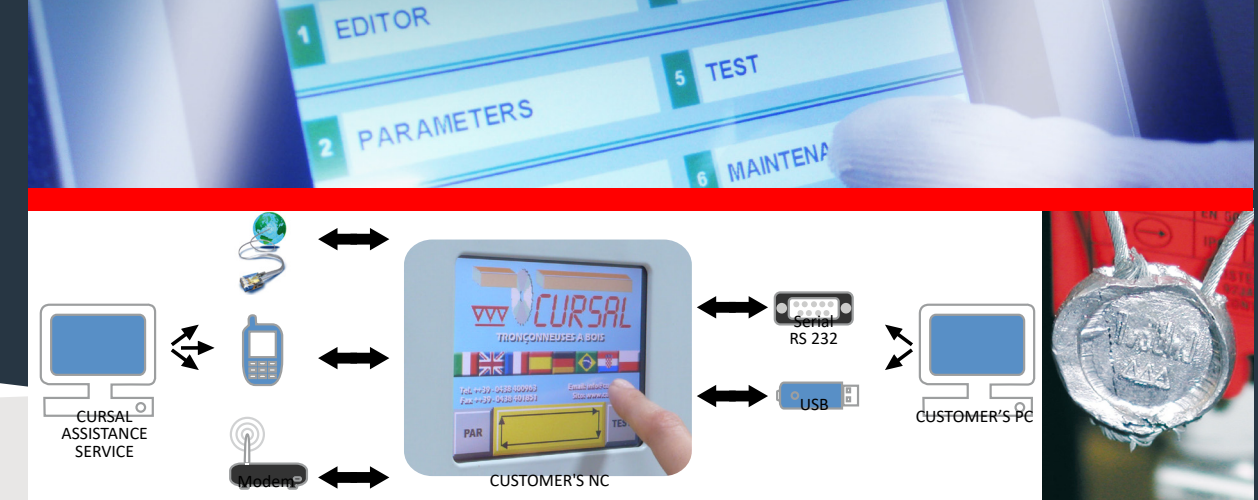
- THAT MUST **optimize great quantities of timber** with varied qualities
- THAT MUST **eliminate indirect costs**, to get a maximum profit from the precious wood raw material.

> Advanced **brushless handling systems** (including blade), maximum quality components in the entire project
 > The high performance verified corresponds with the **amortization of investments in a few months.**

TRV 2700EB: THE BEST COMPROMISE BETWEEN SPEED AND CUTTING PRECISION, WHICH ARE CURRENTLY AVAILABLE IN THE MARKET OF OPTIMIZING CROSS-CUT SAWS.



COMPLETE SOFTWARE 100% MADE IN CURSAL FOR A FULL OPTIMIZATION WITH THE OPTIMAL USE OF THE RESOURCE TIMBER



Cursal software features:

- **FIXED LENGTH CUTTING - DEFECT REMOVAL - OPTIMIZED CUT with defects qualities selection**
- **Different optimization priorities** • Price priority • Waste priority • Quantity priority • Length priority • Mixed
- **Software developed in NC industrial language** wherein the dedicated programmes run without obstacles at top speed (THE AVERAGE LIFE OF A CURSAL COMPUTER IS NEAR 20 YEARS)
- The developed equation of the Cursal optimizer, allows the optimization to take place completely inside the cross-cut saw, simplifying the process.
- **SOFTWARE FOR INTEGRATED MANAGEMENT WITH CUSTOMERS' SYSTEMS** WITHOUT ADDITIONAL INTERFACES

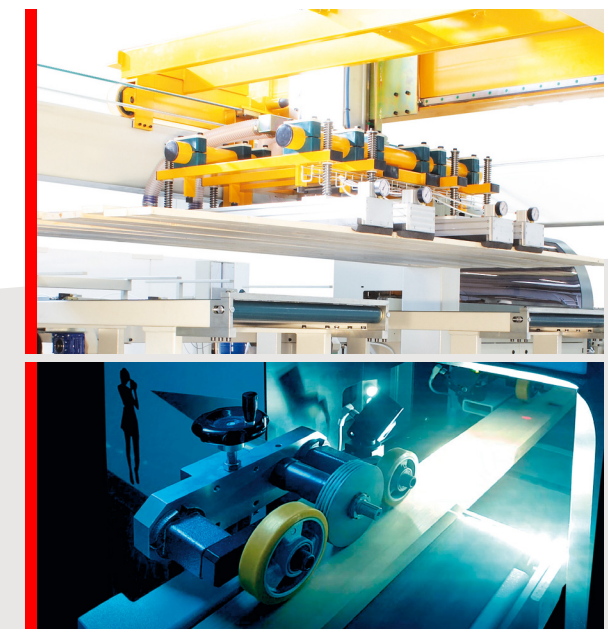
Cursal provides greater security to companies

- Thick clamp for blocking any splinters, in case the tool breaks
- Drop air lubricator. Keeps the oil from nebulizing in breathable air
- An air inlet does not provide access to the blade
- Motor blade with quick shutdown
- Pneumatic springs divided in two in order to keep the door
- Stainless steel hinges, much more resistant than commercial ones (in aluminium) from closing violently, in case of failure
- Safety micro with unique lead covered key, cannot be copied in order to protect dangerous openings
- Safety strap at inlet, fitted with limit stop sealed with lead
- Belt conveyor without parts, that can embed cut pieces



Cutting unit

- Tested traction belt-system without parts that can embed cut pieces, joined with specific anti-slip rubberized pressure wheels - universal use
- High cutting precision even with wet and curved planks - Self-limited speed 300 lm/min (EB version). High speed is ensured by the quality of sturdy materials used in the whole handling cycle. **SMALL DIAMETER WHEELS = LOW INERTIA AND REDUCED PITCHES = MORE ACCURACY**



Fully automatic cutting plants

- Cursal automation ranges in a wide field. Combined transfer systems, in-feeders, extractors, singularizing devices, loaders and unloaders. Handling specific solutions for creating fully automatized lines
- Integration with optical scanners, log band saws, multi rip saws, sanding machines, moulders, finger-joints