

Cross-cut saws - Automations



| Models in the van of continuous cycle optimization

Distinguished by the highest speed combined with high cutting accuracy and operation simplicity

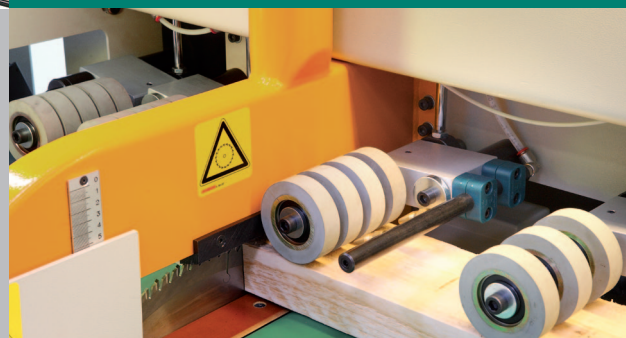
Skilled labor is not demanded, as the operator must only mark the defect, the rest is done by Cursal

Features

- Exclusive and tested traction **NC belt-system**: guarantee of maximum cutting precision of **raw boards and finished profiles (even painted)**
- **High speed** (EB version self-limited 300 lm/min) Settings that allow the mechanics to work in optimal conditions with the minimum wear
- **Generosity of components**. The maximum working speed exploits the components at 70% of their performance
- **Far-seeing safety measures**: some safety systems adopted by Cursal for over 10 years, have become mandatory for all, in 2010
- **Minimum programmed maintenance** thanks to the **removal of the dynamic parts and passive transmissions** (maintenance yearly charge less than 1/1000 of the initial investment)
- **Exclusive and complete software for a full optimization (100% made in Cursal)** for the optimal use of the resource timber, with a net reduction of waste and saving time / labor of more than 90%

Cross-cut saws with continuous cycle

TRV 2200E-2700EB



TRV 2200E

Excellent in any sector it has literally invaded hundreds of companies revolutionizing and optimizing their production cycles

Available in 3 different sections: with blade Ø 500, 550 and 600

Thanks to the high performance of the machine, even the simplest version can carry to statistically important results

In short, with a limited initial investment, the customer can achieve a strong profit and, at any time, decide to extend/change/reduce the line with unlimited configurations

TRV 2700EB

High-speed system, where the high performance verified corresponds with the amortization of investments in a few months

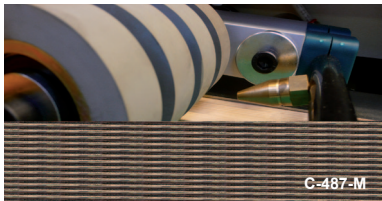
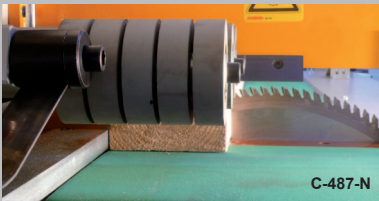
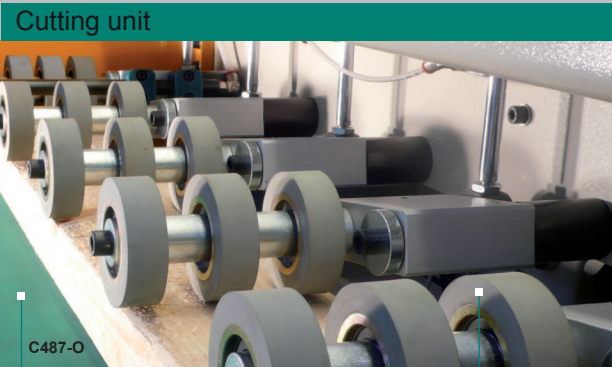
This is what our customers uphold, they have chosen the combination TRV 2700EB - OPTICAL SCANNER (for defect-qualities detection)

The hoc solution for the industry that must:

- **OPTIMIZE GREAT QUANTITIES OF TIMBER WITH VARIED QUALITY**
- **ELIMINATE INDIRECT COSTS, TO GET A MAXIMUM PROFIT FROM THE PRECIOUS WOOD RAW MATERIAL**

TRV 2200E-2700EB SERIES

High speed optimization



Tested traction belt-system without parts, that can embed cut pieces

Joined with

Specific antisliding rubberized pressure wheels Universal use

- High cutting precision even with wet and curved planks
- No need for upper/lower toothed rollers for the correct positioning of the plank
- Self-limited speed 300 lm/min (EB version)

LIGHTNESS = SPEED ADVANTAGE

High speed is ensured by the quality of sturdy materials used in the whole handling cycle

Example: SMALL DIAMETER WHEELS = LOW INERTIA AND REDUCED PITCHES = MORE ACCURACY



The defect detection is by means of a camera, that detects a luminescent mark made by a specific chalk

Absolute compactness

Reading station built-in on the cross-cut saw block in 98% of times

For specific need (seldom) it is used the remote separated reading station

The developed equation of the Cursal optimizer, allows the optimization to take place completely inside the cross-cut saw, simplifying the process



FULLY AUTOMATIC CUTTING PLANT

Cursal automation ranges in a wide field. Combined transfer systems, in-feeders, extractors, singularising devices, loaders and unloaders. Handling solutions for creating fully automated lines

Optical scanners, multi rip-saw, moulders, finger-joints, are integrated by the co-operation of the most famous partners



Speed and perfect coordination through the latest generation robots

OPTIMIZING SAW + OPTICAL SCANNER (QUALITIES-DEFECTS)

HIGH SPEED CONSTANT PRODUCTION



The scanned and optimised plank is ready to be cut and classified



Servo-actuated thickness adjustment



CURSAL PROVIDES GREATER SECURITY TO COMPANIES

- It ensures the most tested safety systems, suited to guaranteeing the total safety of your company's staff
- Constant and meticulous verification tests with sealed parts, which must not be tampered

c Pneumatic springs divided in two in order to keep the door from closing accidental, in case of failure

d Stainless steel hinges, much more resistant than commercial one (in aluminium)

e Safety micro with unique lead covered key, cannot be copied in order to protect dangerous openings

f Motor blade with quick shutdown

g Drop air lubricator. Keeps the oil from nebulizing in breathable air



Full set of accessories in charge - discharge

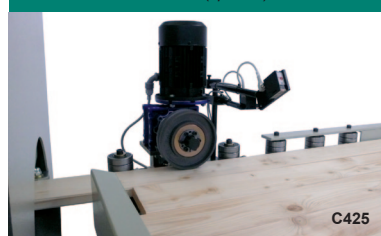
Ejector E60 series (optional)

C486-G
NC rapid ejector (2/100 of sec)

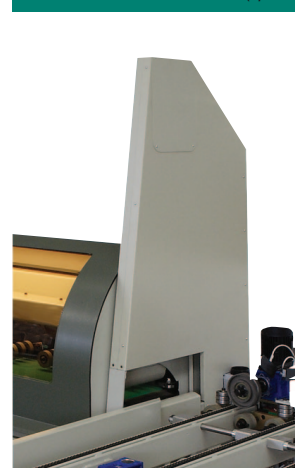
Ink-printer (optional)

C486-U
Water-based printer for the classification of sized pieces

Loader AOCs1 series (optional)

C425
Automatic horizontal feeder with chains and device for singularization

Scanner SARL 230 series (optional)



Scanner with linear camera that detects the width automatically

Cross-cut saw version TRV 2200E-TRV 2700EB series

FULL OPTIMIZATION

E
EB

Employment fields



Parquets

Semi-finished for
wood furnitureMouldings,
skirtingFixtures,
constructionLaminated panels,
block board,
structures

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

Cursal software features: Software developed in NC industrial language, wherein the dedicated programmes run without obstacles at top speed

Cursal software, is a powerful system at all levels developed for over 25 years. This provides significant advantages to companies

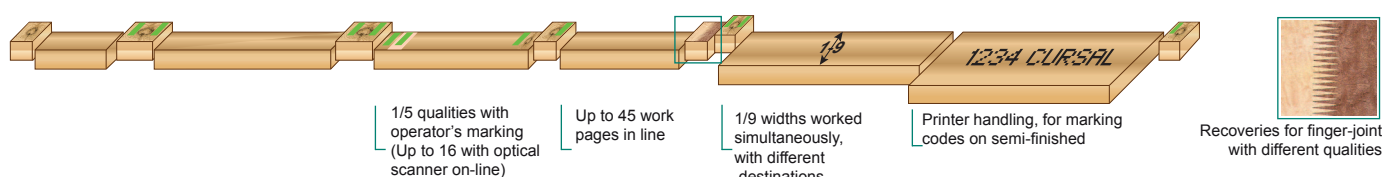
The multiple solutions studied to resolve all queries (demanded by more than 2000 customers) were concentrated in just one programme

It runs in a dedicated computer wherein all superfluous things were removed (that is to day 95% of base programmes residing on common PC)

THE AVERAGE LIFE OF A CURSAL COMPUTER IS NEAR 20 YEARS

OPTIMIZED CUT	OPTIMIZED CUT				
	PROCESSING TYPE			PLANKS SECTION	
	Full optimization	Fixed length cutting	Defect removal		
TRV 2200E	X	X	X	X	X
TRV 2700EB	X	X	X	X	

Full optimization (defects-qualities). Each plank is coded - by chalk marking/scanner - and cut-off according to the data set out on the selected page



Different optimisation priorities • Price priority • Waste priority • Quantity priority • Length priority • Mixed

Recoveries • Recoveries on previous and following piece • Waste recovery for semi-finished of low quality • Corrective quote in case of incorrect marking

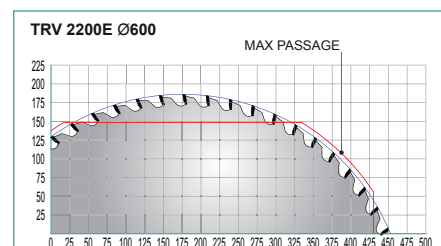
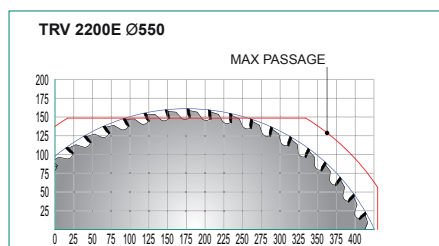
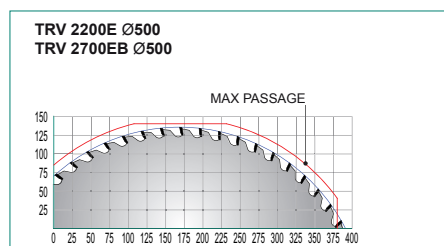
Wastes • Programming of head and tail wastes • Centering of the semi-finished between wastes • Waste fragmentation • Cutting order change if wastes are not respected



Crosscut saw model	Power supply	Blade	Working height surface	Dust outlet Ø	Compressed air consumption	Average noise level on operator	Max. forward speed	Cutting height on the guide	Width between the guide and limiters
	(KW)	mm.	mm.	mm.	nl/min.	DBA	mt./min.	H mm.	L mm.
TRV2200E 500	8	Ø 500 Ø 35 Z/120	850 ±20	140 + 100	250	< 80	150 ÷ 280 (1)	70	215 (300*)
TRV2200E 550	9	Ø 550 Ø 35 Z/120	950 ±20	140 + 100	250	< 80	130 ÷ 250 (1)	95	275 (350*)
TRV2200E 600	11	Ø 600 Ø 35 Z/96	950 ±20	140 + 100	200	<80	110 ÷ 200	130	300 (350*)
TRV2700EB 500	10	Ø 500 Ø 35 Z/120	850 ±20	140 + 100	80	<80	150 ÷ 300 (1)	70	215

(*) Please consult the manufacturer

(1) Auto-limited speed



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



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