



STROMAB

EXPERTS IN CROSSCUTTING SOLUTIONS SINCE 1965

MATRIX

AUTOMATIC
CUTTING-OFF LINES WITH
ELECTRONIC PUSH FEED SYSTEM

"MATRIX" AUTOMATIC CUTTING-OFF LINES

"Evolution of the species": starting from the wide range of manually operated cutting-off machines, TR350, TR450, TR500 and TR600, produced since the start of the 1970s, STROMAB decided to evolve the range and enter the automatic cutting-off line sector, becoming one of the strongest global players. More than 1000 machines with push feed system have been sold since the idea became reality, and as usual it is purely thanks to the characteristic Made in Italy ethos, an entirely Italian mindset which manages to blend customer care, in-depth market knowledge, the right quality-price ratio and an unwavering confidence in our company, and which has enabled us to become a point of reference on a global level.

EVOLUTION OF THE SPECIES: EXPERIENCE IN SOFTWARE.

 **STROMAB**
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TR500F



MATRIX, A **STROMAB** PHILOSOPHY

Matrix is a cutting-off machine with electronic push feed system and controlled axis. The range has evolved with the arrival of new cutting-off units, and today we offer the TR450, TR500, TR600, TR500/F and FAST500. The wide choice of available versions, from 2000 mm to 14000 mm length, with left-hand and right-hand push feed system, and a wide range of accessories enables us to satisfy even the most demanding of clients.



TR450 - TR500 - TR600

Detail of the pusher arm feeding system with rack and pinion and brushless motor for positioning without compromise.
 TR450 and TR500 4-second cutting cycle
 TR600 6-second cutting cycle.
 3 versions for 3 integrated solutions BASE / OPTI / DEFECT
clear choices for complex solutions.



BASE

Cutting line for those working with uniform-length materials, with workpieces loaded individually or in bundles.
3 optimisation options (Maximum length, Sequence and Board sequence)



OPTI

Function enabling the automatic measurement of the workpiece being cut. Optimum solution for those working with variable-length materials, with workpieces loaded individually or in bundles.
6 optimisation options (Maximum length, Sequence, Board sequence, Volume, Minimum waste and Priority)



DEFECT

Mark detection function which guarantees **complete optimisation** and the elimination of knots and defects. Marking in fluorescent chalk. (should always be ordered in combination with the OPTI function)

PRECISION
 CAN'T BE
 AN OPINION

High-resolution 12" touch screen controller with graphics interface. USB port and Ethernet port as standard.



Detail of the push feed system with automatic sensor to measure the workpiece being cut (OPTI function)



FAST500

The latest addition to the cutting-off machine family was designed to reduce times and increase production. **The cutting cycle is 2 seconds.**



1800 1800 1800 1800

BASE

Cutting line for those working with uniform-length materials, with workpieces loaded individually or in bundles.

3 optimisation options (Maximum length, Sequence and Board sequence)



2000 1300... ...500

OPTI

Function enabling the automatic measurement of the workpiece being cut. Optimum solution for those working with variable-length materials, with workpieces loaded individually or in bundles.

6 optimisation options (Maximum length, Sequence, Board sequence, Volume, Minimum waste and Priority)



2000 1300... ...500

DEFECT

Mark detection function which guarantees **complete optimisation** and the elimination of knots and defects.

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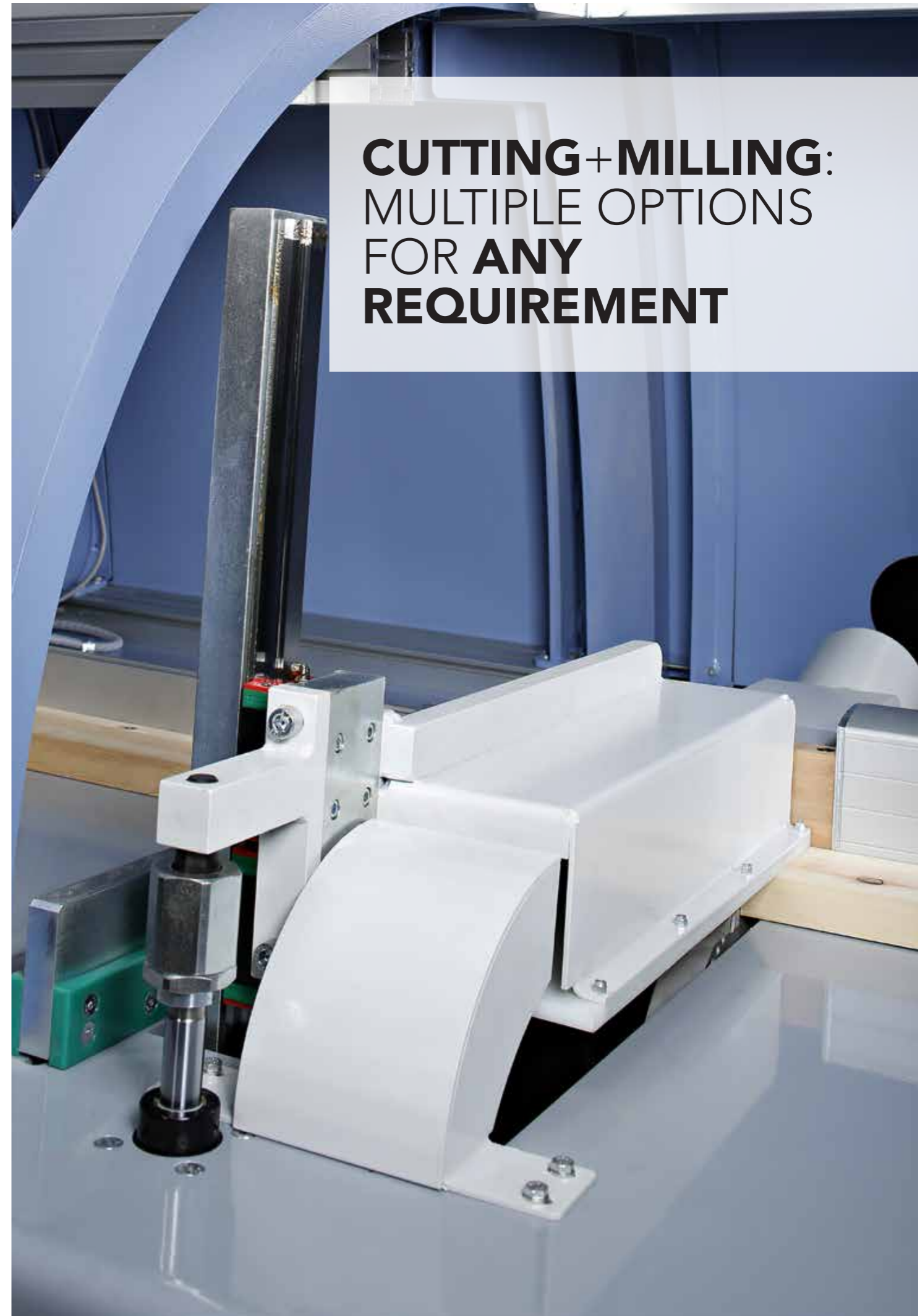
Detail of the upper workpiece clamp.



Detail of front clamps.



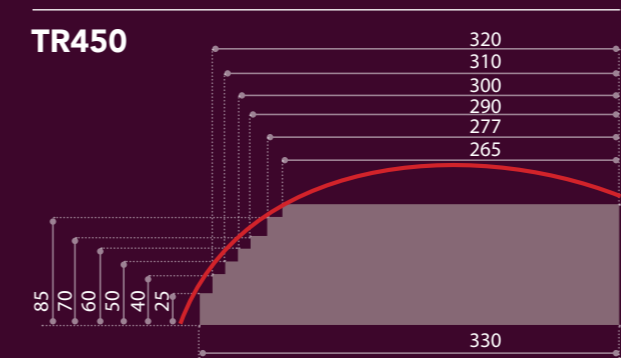
CUTTING+MILLING:
MULTIPLE OPTIONS
FOR **ANY**
REQUIREMENT



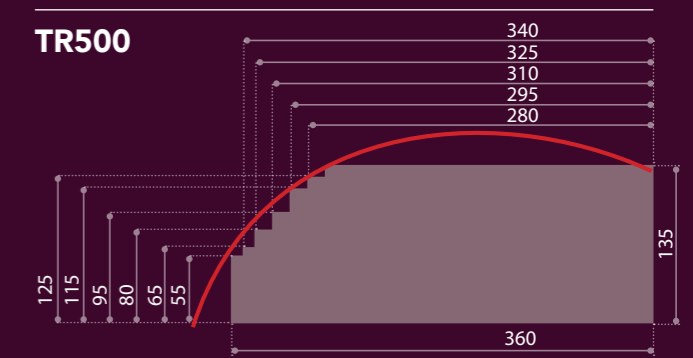
VARIOUS CUTTING SOLUTIONS

CUTTING DIAGRAMS TR450-TR500-TR600

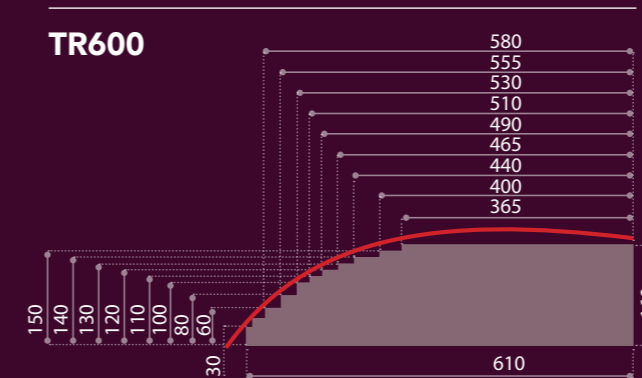
TR450



TR500



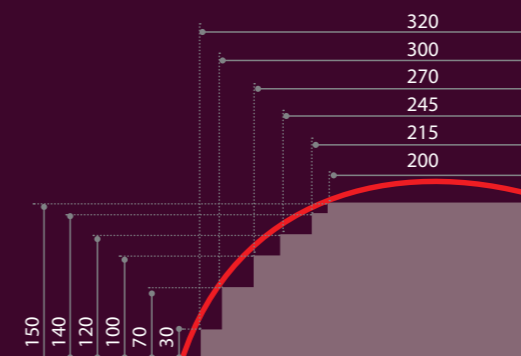
TR600



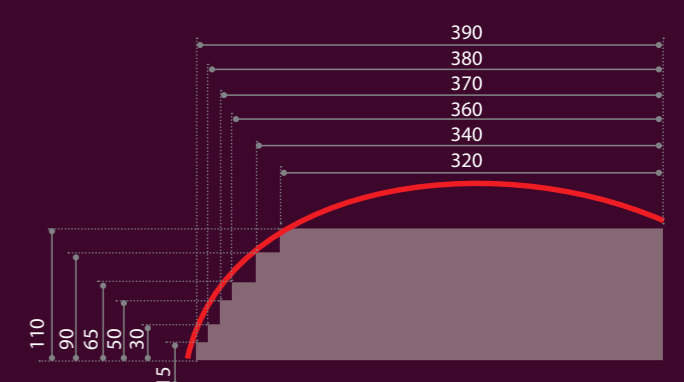
CUTTING DIAGRAMS FAST500

Thanks to an innovative mechanical blade positioning system, we've introduced a new variable geometry cutting system, so that a single machine can meet requirements for both maximum height (POS. "A") and maximum width (POS. "B")

CUTTING CAPABILITY
POS. A
MAX. HEIGHT



CUTTING CAPABILITY
POS. B
MAX. WIDTH

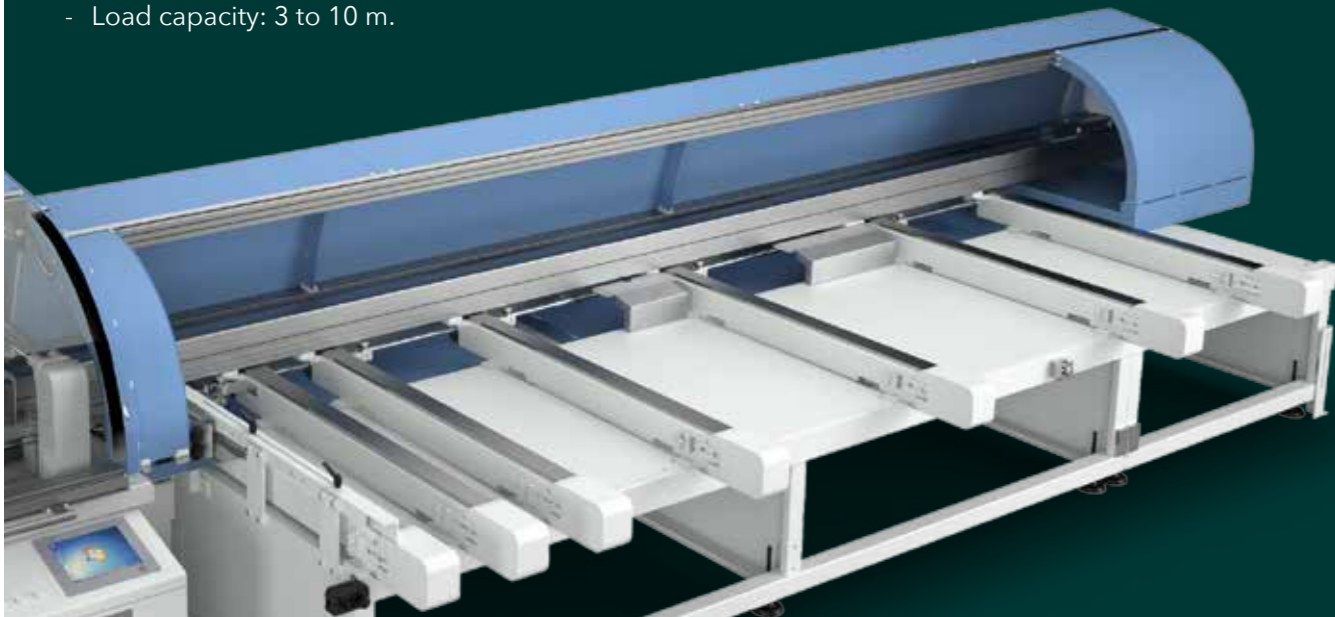


TO ENHANCE
PERFORMANCE



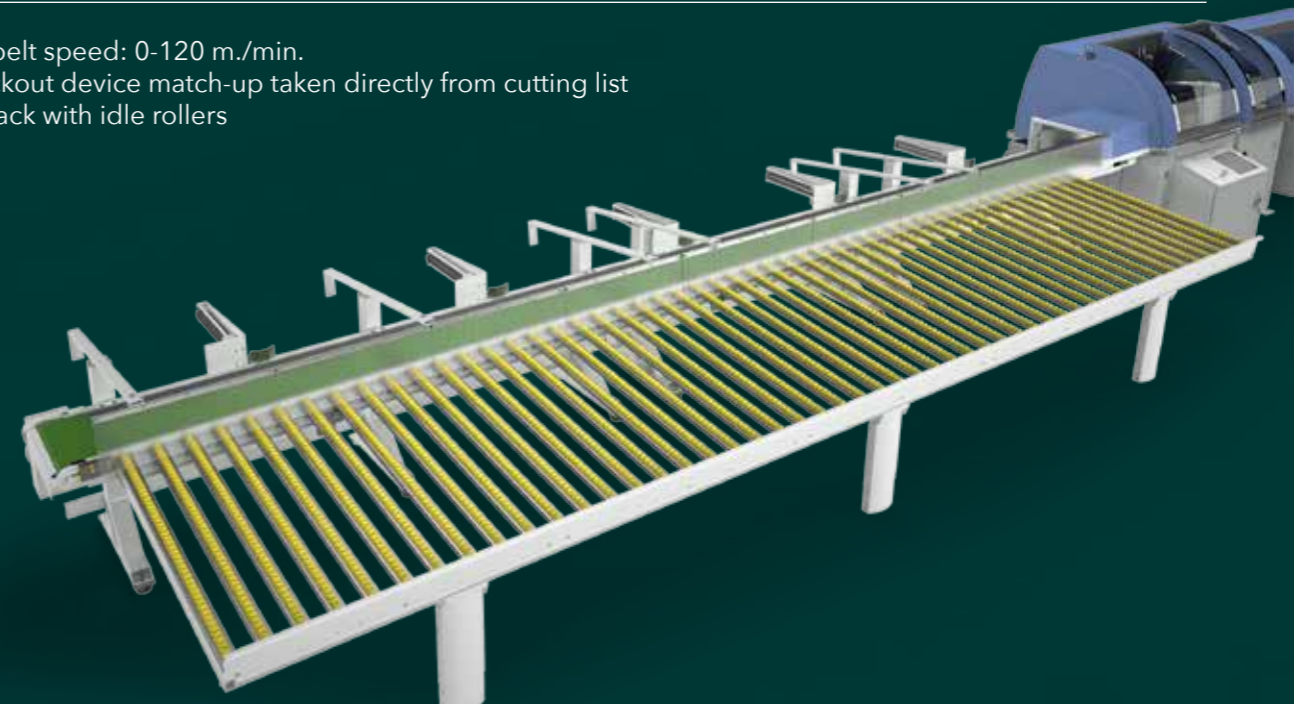
AUTOMATIC LOADER

- Automatic loader for individual workpieces or bundles of material
- Chain-type loading system
- Load capacity: 3 to 10 m.



ELECTRONIC SORTING CONVEYOR WITH BELT AND RAPID KNOCKOUT DEVICES

- Variable belt speed: 0-120 m./min.
- Size/knockout device match-up taken directly from cutting list
- Storage rack with idle rollers



THE OPTIONS THAT MAKE THE DIFFERENCE



ACCESSORIES

Typical only of Italian industry, we've decided to meet the needs of our customers by introducing a wide range of accessories.

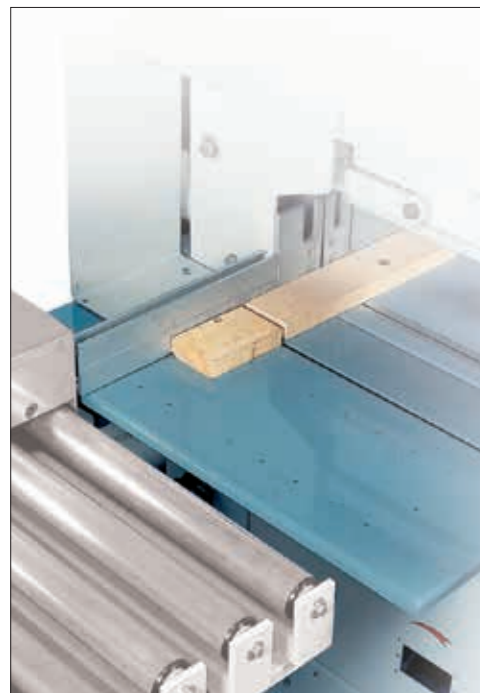
Just to name a few:

- loading system located on both the left and right sides of the cutting unit
- push feed system length ranging from 2000 to 14,000 mm.
- optimisation software with 6 programming options
- 3 label printers and 1 ink-jet printer
- Automatic loading systems
- Automatic unloading systems

Label printer



Trap door for expelling trimmed material from headpiece and scraps from straight cut tailpiece (closed)



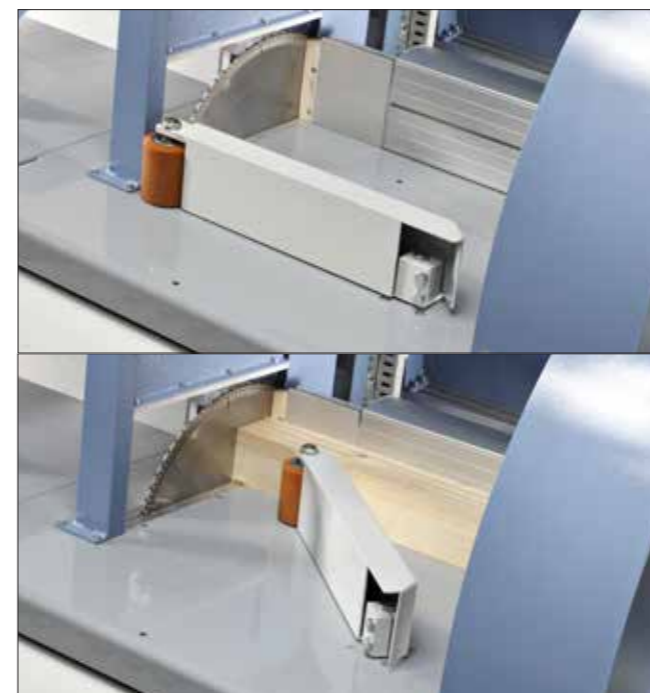
Trap door for expelling trimmed material from headpiece and scraps from straight cut tailpiece (open)



External vertical clamp



Internal side clamp



REA JET HR high-res ink-jet printer



4 vertical printing heads with print height of mm. 50.8



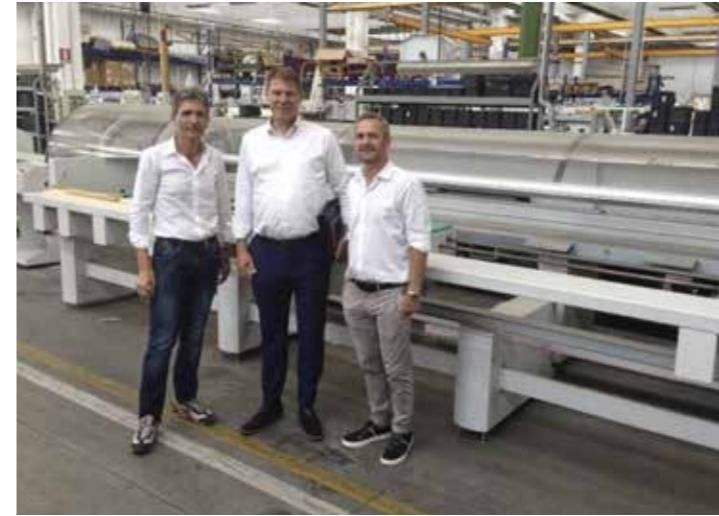
2 vertical printing heads with print height of mm. 25.4



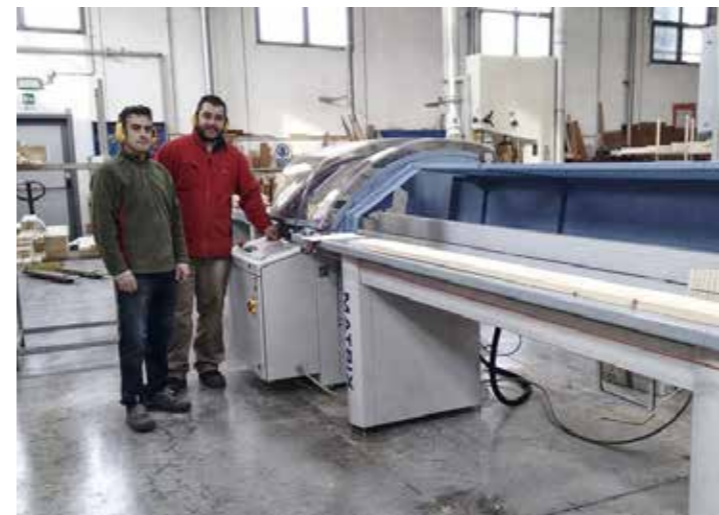
The MATRIX cutting-off lines are able to meet all the requirements of 90° cutting, popular with manufacturers of traditional packaging (pallets, crates, boxes), garden furniture, solid wood furniture and wooden doors and windows.



For 50 years, our family has been passionately building the machines which today help our many clients make their work more rewarding.



**SATISFIED
CUSTOMERS**





www.stromab.it

THE **VALUE** OF A FAMILY-OWNED COMPANY

Stromab has stood for reliability since 1965.

And we believe that this word best expresses the philosophy behind our products over our more than 40 years in business. The awareness that no investment can offer greater advantages than customer satisfaction leads us to constantly devote new resources for ongoing research into technology, development and human resources.

A constant growth trend is the natural result of a company policy based on the value of success in full compliance with environmental requirements. With a surface area of over 5000 m², 40 employees and a constantly updated line of products, Stromab has made a significant name for itself as one of the most dynamic companies in the woodworking machinery sector.



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