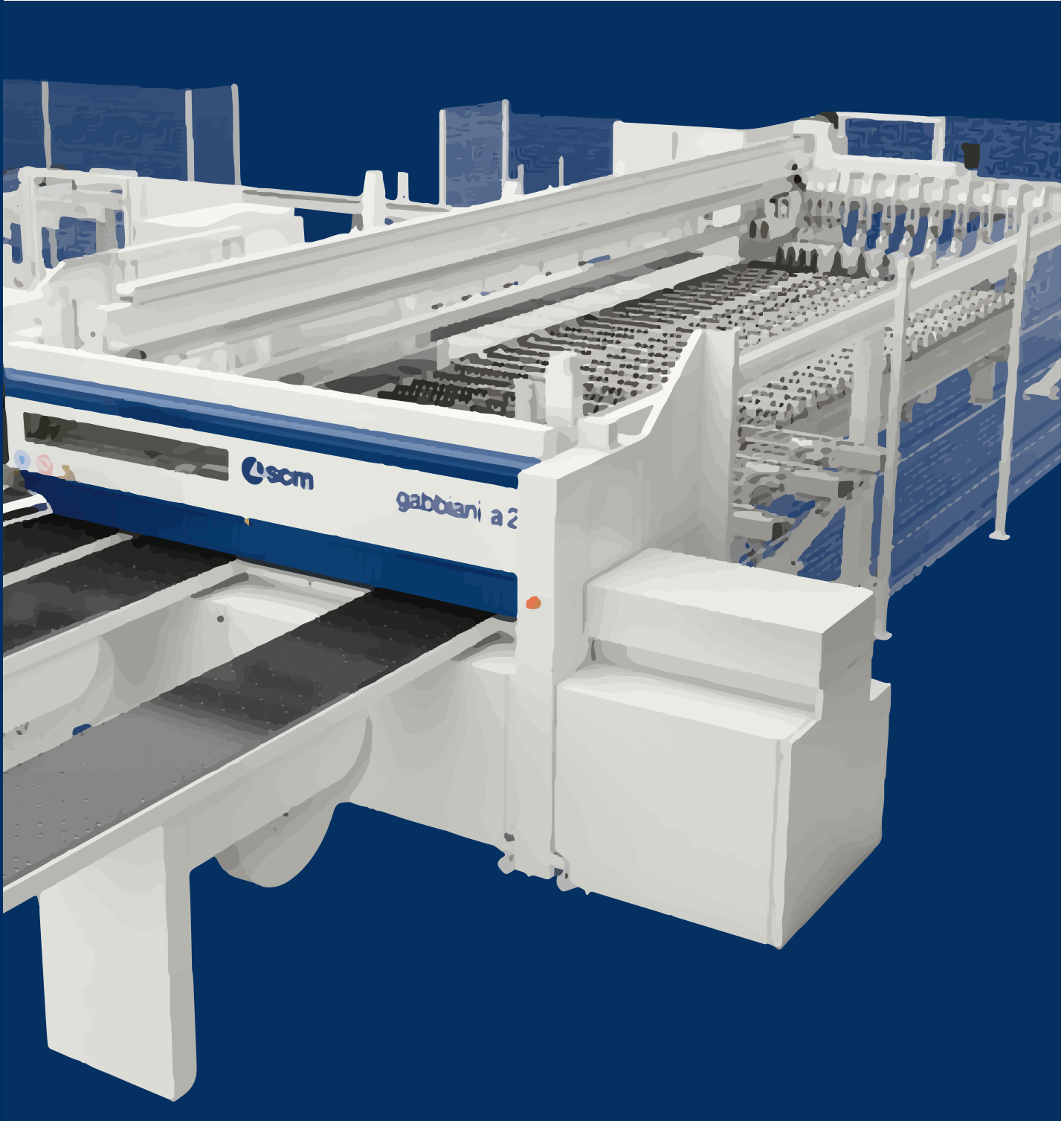


gabbiani a 2

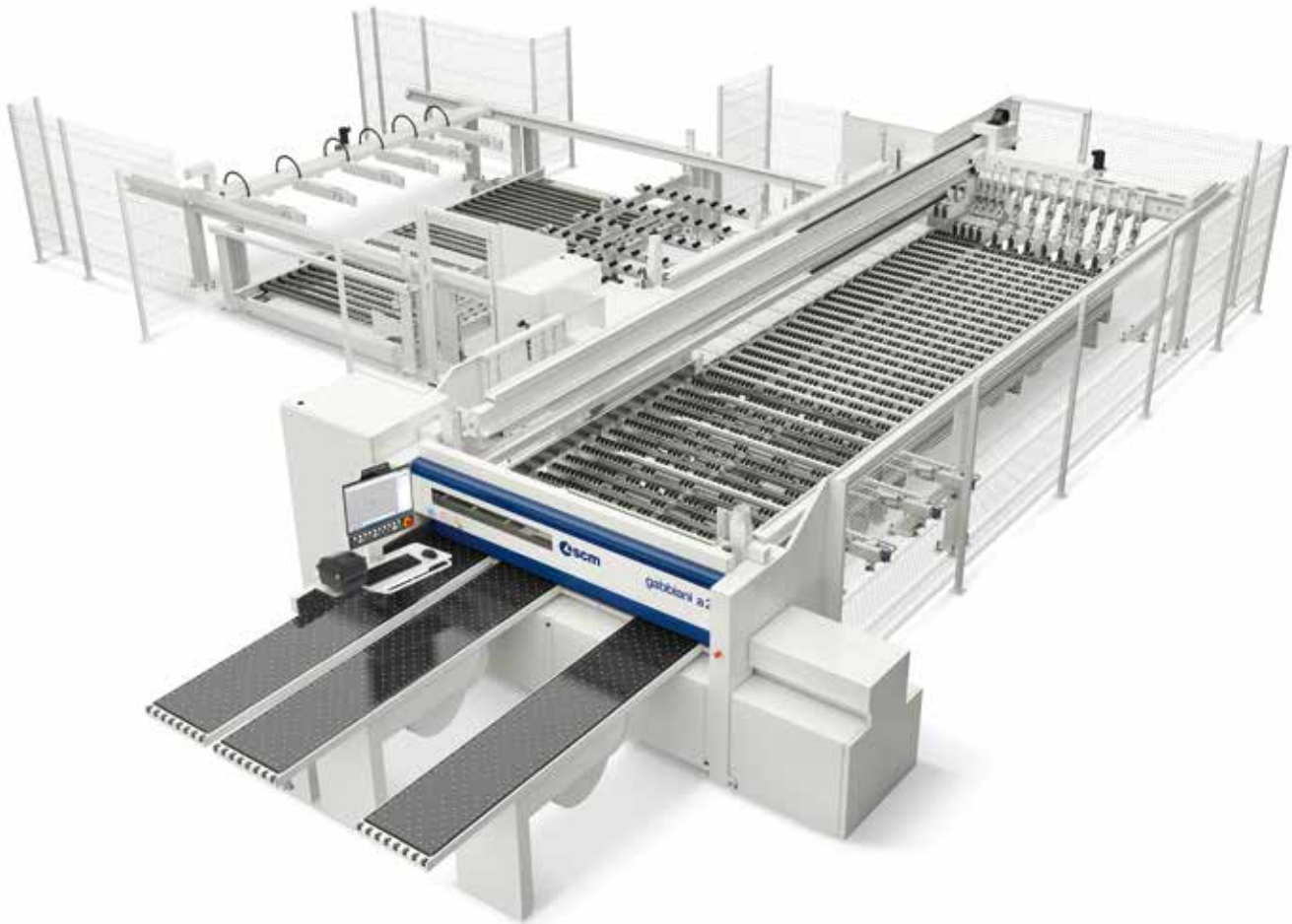
angular panel saw



THINK

BIG

GABBIANI A 2



THE PANEL SAW THAT MAKES
PRODUCTION MORE
SIMPLE AND COMPETITIVE
FROM EACH ANGLE

QUALITY



Highest product quality due to the rigidity of the bases, when combined with a carriage sliding on linear guides results in total lack of vibrations, **guaranteeing an optimum cut quality.**

TAILOR-MADE



Maximum machine configuration owed to the wide range of available options, **to meet all process and tools setting needs.**

Available solutions: automatic precutting, bars with differentiated cuts and automatic labeling in masked time.

CLEANLINESS



Maximum cleaning of the machine thanks to an automatic system of dust control curtains by section that intervene on each cut to contain the sawdust and guarantee their complete evacuation.

POWERFUL



The **high feed speeds**, 160 m/min on the carriages, 120 m/min on the pusher beam, and high saw carriage power (up to 22 kW), will ensure excellent production levels.

FLEXIBILITY



Two independent cutting units on a single cutting axis for greater productivity and flexibility.

- 24 **OVERALL DIMENSIONS**
- 26 **TECHNICAL DATA**
- 28 **SERVICE - SPARE PARTS**

TECHNICAL FEATURES OVERVIEW

TECHNOLOGICAL ADVANTAGES

gabbiani a 2 95-115-130

for furniture company requiring a complete panel sawing solution with high production volumes and quality levels.



Flexcut 1D

The modular system enables the processing of complex cutting patterns in very rapid cycle times.



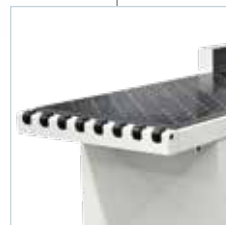
Loading platform

Lifting system running on 4 large trapezoidal screws.



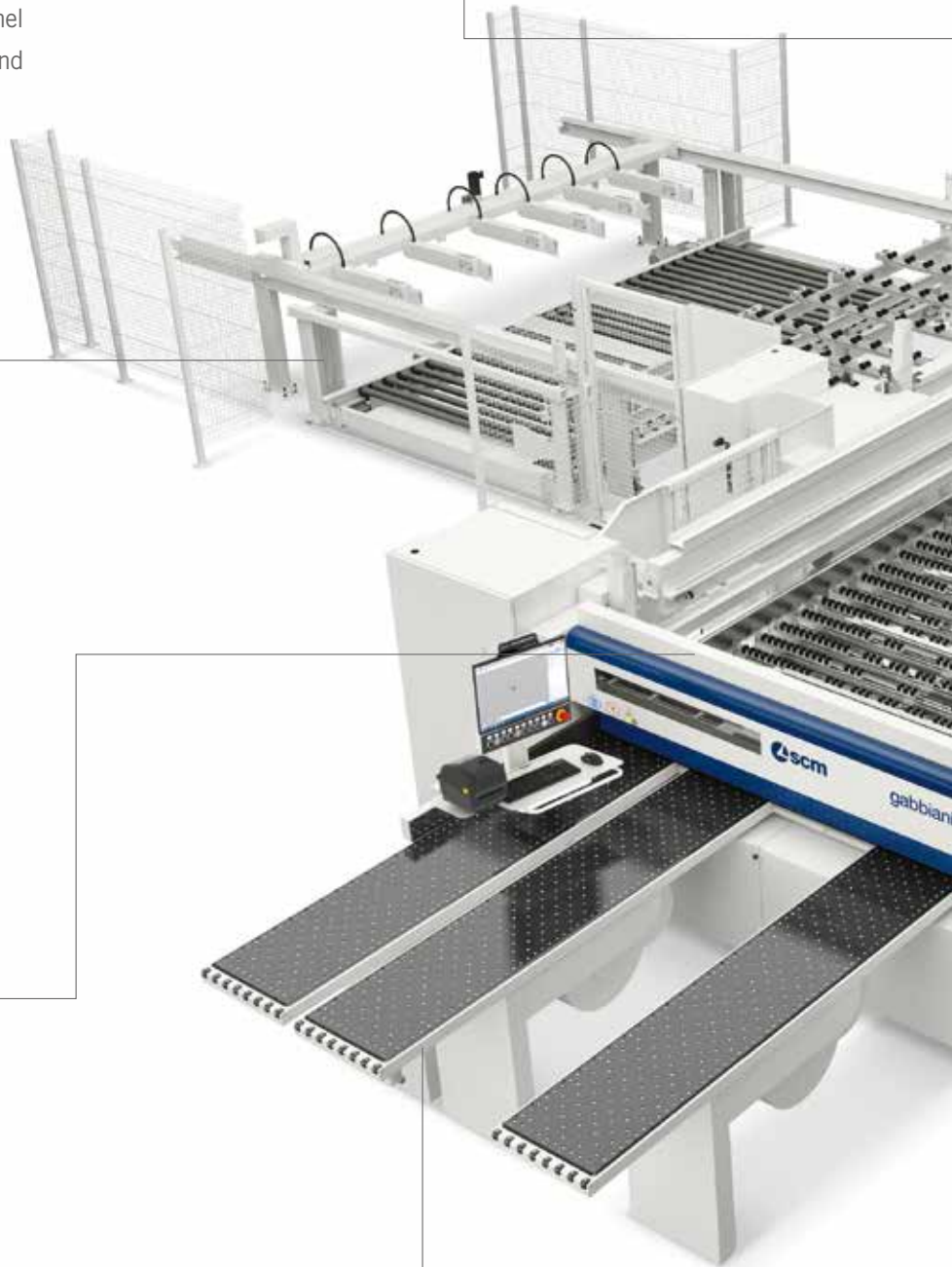
Powered side aligner on the pressure beam for cross cuts

Perfect alignment of the piece against the squaring fence and cycle time reduction.



Air floating table

High efficiency air floating table with feeding rollers eases the sliding of heavy or delicate materials. **Maximum protection against risks of friction.**

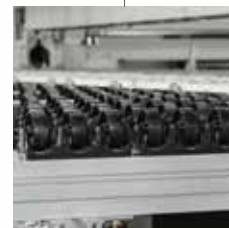
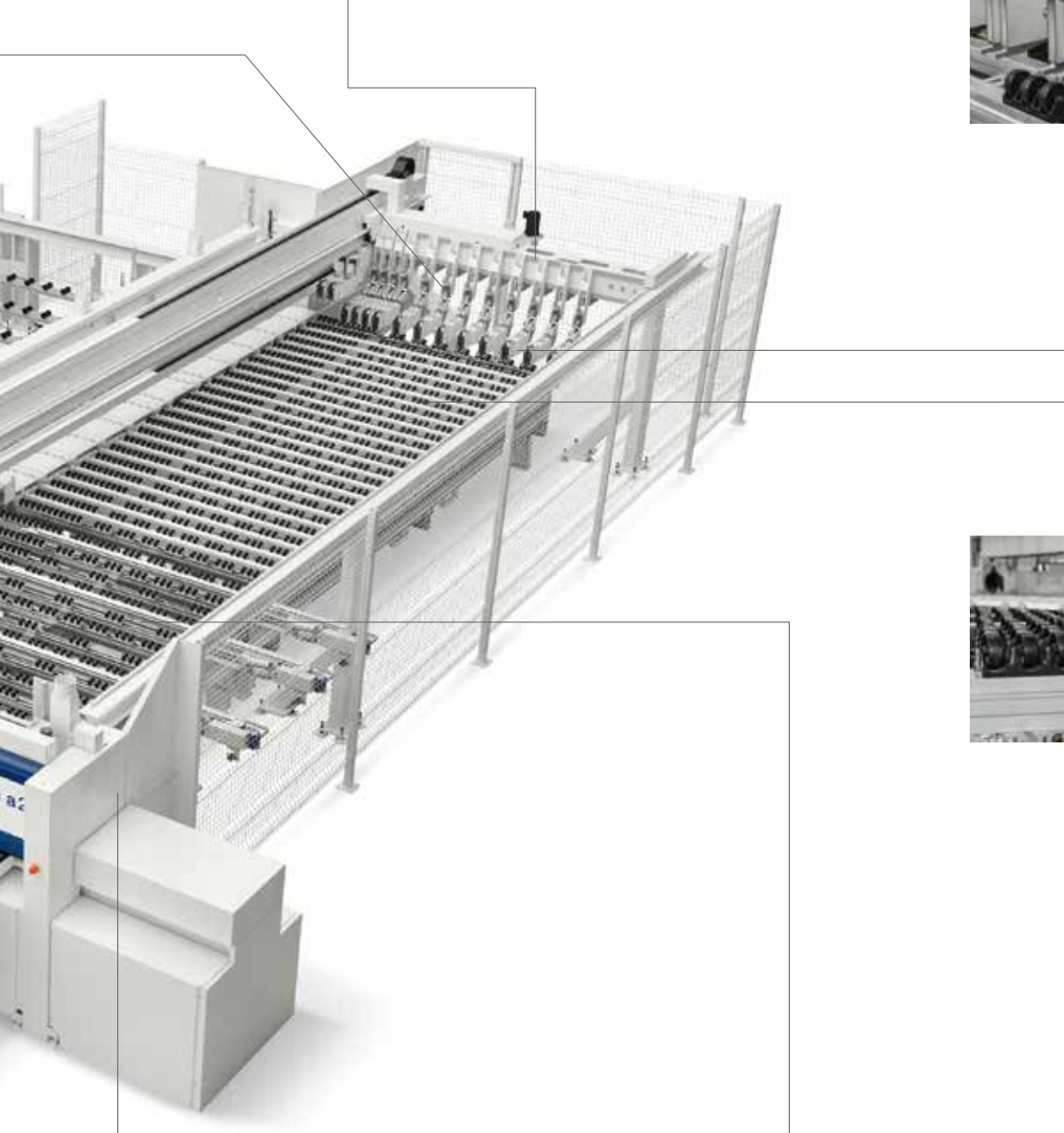




Pusher with brushless motor
The best quality and the maximum performance due to the pusher stroke on round rectified guideways.



Floating clamps with double finger
Safe grip at the highest speed on squaring side, also when panels are not perfectly planar.



Machine base
It is composed by sturdy tubular steel with nylon wheels for moving panels, even the heaviest without damaging them (standard).

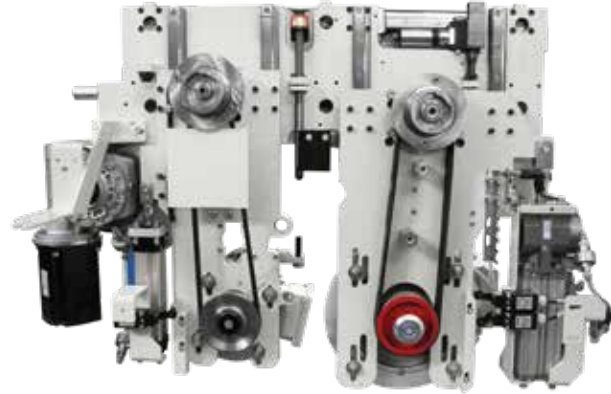


SAW-SET
In a few seconds the "SAW-SET" device carries out fast and precise tools adjustment both on cross and longitudinal cutting axes (optional).



Powered side aligner for cross cuts
Perfect alignment of the piece with a drastic cycle time reduction.

PERFECTION AND FLEXIBILITY OF CUT



THE BASE: THE VERY BEST RESULT IS GUARANTEED

Solid and compact machine base ensures precise carriage movements by providing maximum cutting quality over the time.

EXCELLENT FINISH CUT

Sturdy saw carriage with independent pneumatic raising of the main blade and scoring blade, on prismatic guideways with recirculating ball bearings.



“HI-TRONIC VERTICAL STROKE” DEVICE: TOP OF PRODUCTIVITY WITH THE NEW SAW CARRIAGE

The device allows an optimum finishing and precision of cut even at high speed (optional).

The device includes:

- optimized blade stroke
- fast blades unlocking with AKE mechanical flanges
- self-learning pressure beam
- post-forming
- scoring blade electronic adjustment
- electronic mortising device
- cuts out “windows”



PRISMATIC GUIDEWAYS WITH RECIRCULATING BALL BEARINGS: IMPROVE MACHINE PERFORMANCE

Minimum friction and automatic lubrication with a remarkable maintenance reduction. Maximum speed reachable both during the feeding stroke (90 m/min with a single sheet, 40 m/min with a panel stack) and the return stroke (up to 160 m/min) (optional).



SAW-SET: TOOL CHANGING HAS NEVER BEEN SO EASY

In a few seconds the “SAW-SET” device carries out fast and precise tools adjustment due to the electronic setting, allowing an intuitive use of the machine and a productivity increase (optional).



RAPID BLADES LOCKING/UNLOCKING: MACHINING SAFETY IN REDUCED TIME

This system provides safe and constant blade locking and unlocking, due to the pneumatic system which minimizes the standby times for blade changeovers.



AKE DEVICE

Rapid locking/unlocking of the blades with “EASYFIX” mechanical device (“AKE” patent) allowing for quick and easy change of the blades. The tightening is ensured both with high blade-motor power and machining of the hardest materials (optional).

MAXIMUM PROCESSING VERSATILITY



INVERTER: NO COMPROMISE

The possibility to adjust the main blade speed allows a perfect finish with any panel stack height.

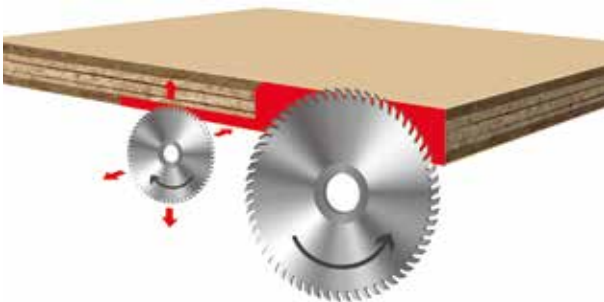
a 2 95 opt.

a 2 115 opt.



OPTIMIZED BLADE HEIGHT: FOR SMART CUT

The main blade projection is automatically adjusted according to the panel thickness to be cut. It always guarantees an optimum cut quality and reduces the machine cycle time.



SCORING UNIT ELECTRONIC ADJUSTMENT: TECHNOLOGY FOR REAL SUPPORT

The setting from the PC allows the management of a powered system for the scoring unit automatic positioning, drastically reducing the blade set-up time and avoiding any possible errors (with HI-TRONIC VERTICAL STROKE carriage as standard equipment).



POWERED SIDE ALIGNER on prismatic guideways with recirculating ball bearings.

AUTOMATIC CLOSURE OF THE CUTTING LINE:

it avoids the fall of waste trim cuts inside the machine (optional).



ZERO-DUST SYSTEM

Device for table cleaning that prevents the accumulation of sawdust. A modular control curtain is activated at every cut by section, in order to limit the dust emission and guarantee a complete evacuation. This allows for optimal cleanliness inside and outside of the machine with no risk of damaging the moving components of the saw carriage. Placed both on the cross and longitudinal cutting axes (optional).



video zero dust



MAXIMUM PROCESSING VERSATILITY

FLEXCUT 1D

The modular FLEXCUT system enables the processing of complex cutting patterns in very rapid cycle times.

Incomparable precision.

The use of brushless motors sliding on prismatic guideways with recirculating ball bearings reduces mechanical parts friction and guarantees best precision.

The extreme flexibility of this device is also ensured by the presence of the main pusher grippers, which can be excluded from the working area, so that strips with different widths can be secured and as a result any type of different cutting can be performed without limiting the stroke.

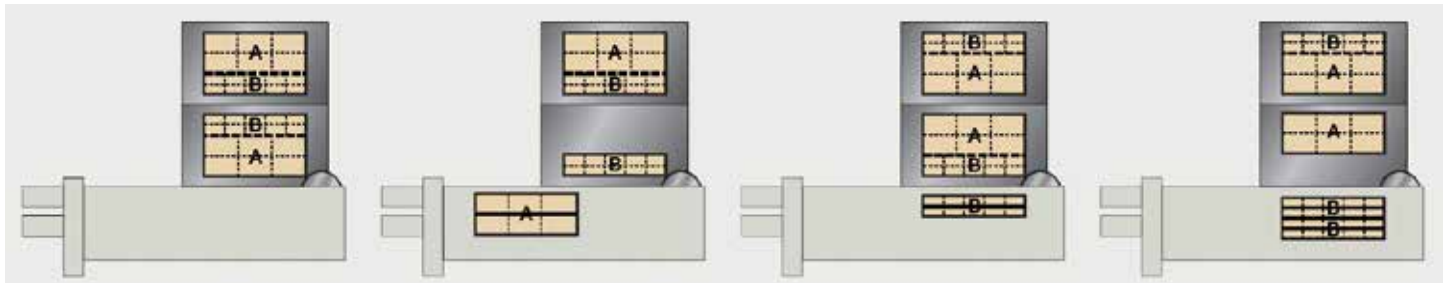


AUTOMATIC LABEL PRINTER ON ADDITIONAL PUSHER

Automatic labeling in masked time allows all relevant data to be transmitted to the workpiece before the cutting process.

The application of the label takes place optimally upstream of the cutting process because it has a dust-free surface.





The special structure of its components allows to use gabbiani a 2 in different modes:

SINGLE BLADE

The crosscut section can be manually loaded and used as a normal single blade beam saw.

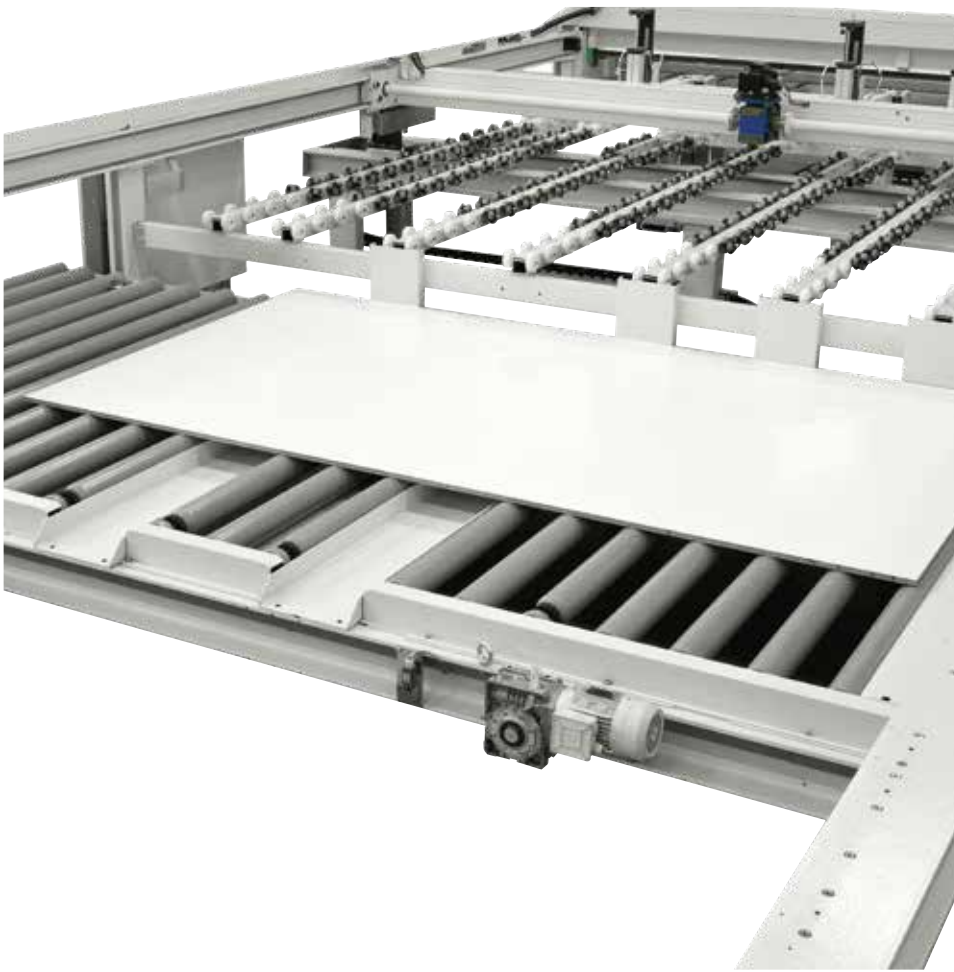
AUTOMATIC LOADING

It operates with automatic stack loading from the lifting table.

AB-BA CYCLE

For specific cutting patterns it is possible to combine same size strips from different stacks in order to fully exploit the crosscut section by always supplying the maximum quantity of strips possible.

LOADING PLATFORM

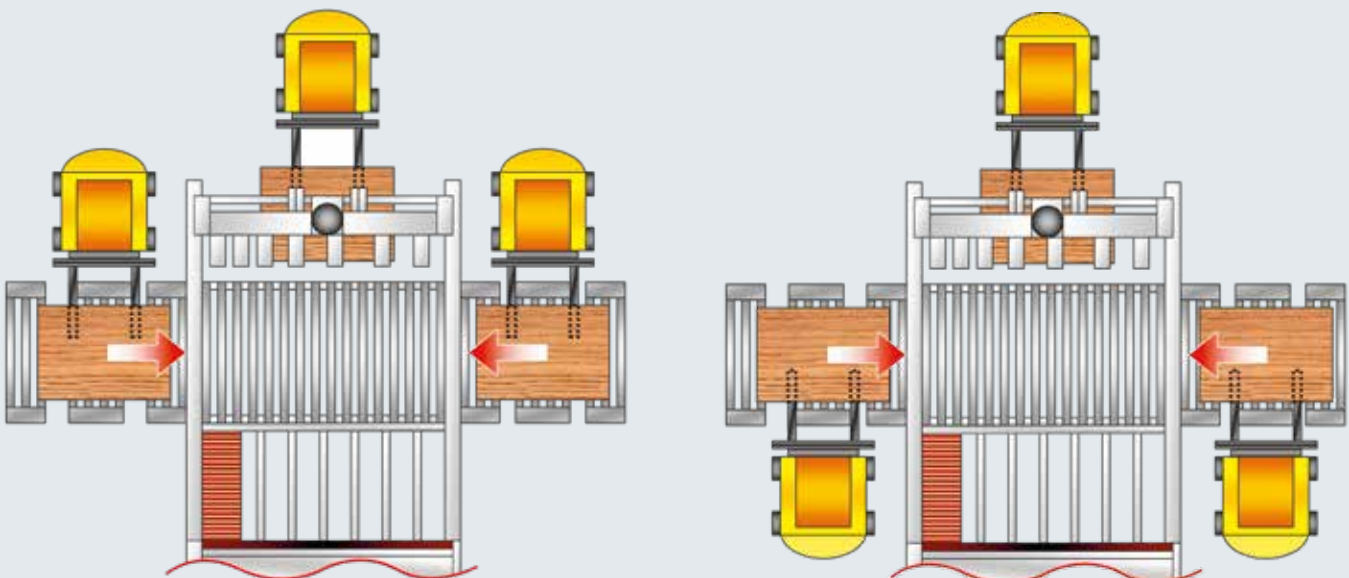


LOADING PLATFORM: WHEN STURDINESS AND PRECISION MAKE THE DIFFERENCE

The lifting system running on 4 trapezoidal screws is able to maximize the load capacity, with any material and format, always ensuring a parallel lifting of the panels stacks. In this way machine downtimes are avoided achieving maximum productivity.

PRELOADING ROLLER CONVEYORS: SPACE IS NOT A PROBLEM ANYMORE

One or more preloading roller conveyors allow the endless running of the angular panel saw. Loading and unloading systems of the "half stack" and the baseboard or pallet handling offer effective solutions to space and production needs.

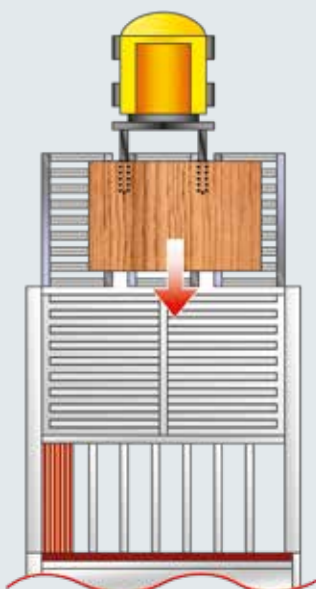
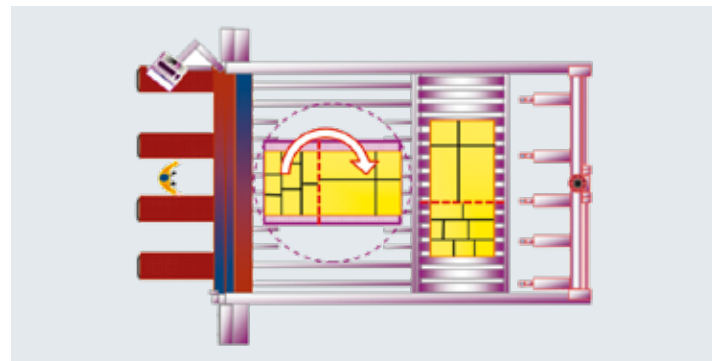


AUTOMATIC HEAD-CUT MANAGEMENT DEVICE: PRODUCE FASTER

A sturdy metallic frame holds up the panels stack during the rotation cycle.

The main pusher automatically moves the panels stack from the loading rear table to the center of the rotating table.

The system automatically manages the cutting of the “Slave” section and the reintroduction and rotation of the “Master” section.



AUTOMATIC LOADING OF THIN AND DELICATE PANELS



AUTOMATIC LOADING SYSTEM OF THIN PANELS: SCM EXPERIENCE AT CUSTOMER DISPOSAL

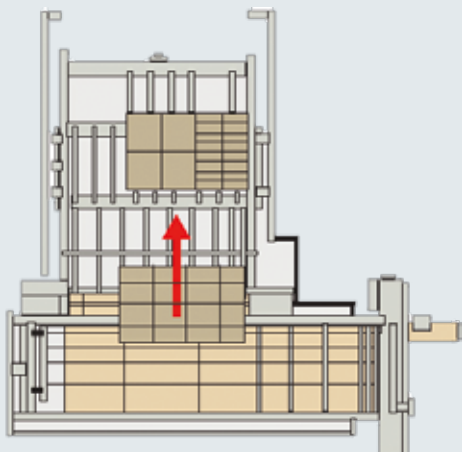
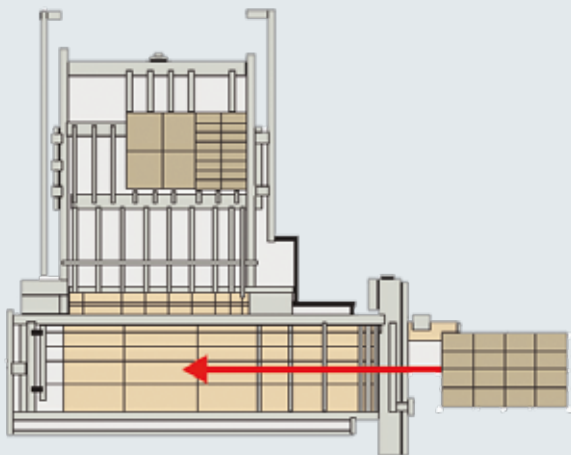
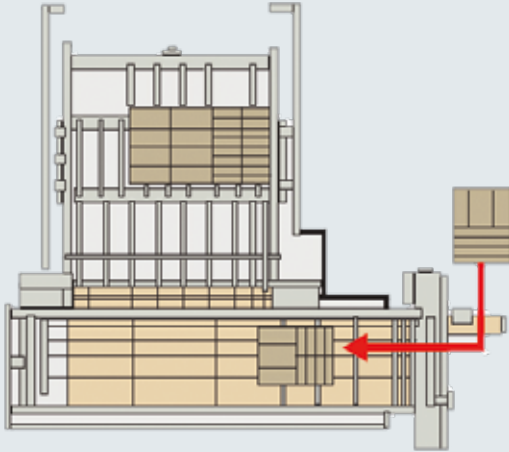
Precise and effective device which ensures the automatic loading of thin panels with thickness ranging between 3 and 10 mm.

THE DEVICE FORESEES THE MACHINE WORKTABLE WITH CLOSURE COVERS

For the thin panels stack loading/unloading it is compulsory a support panel (25 mm minimum thickness).
The minimum panel stack which can be loaded and aligned is 15 mm.



PRECUTTING



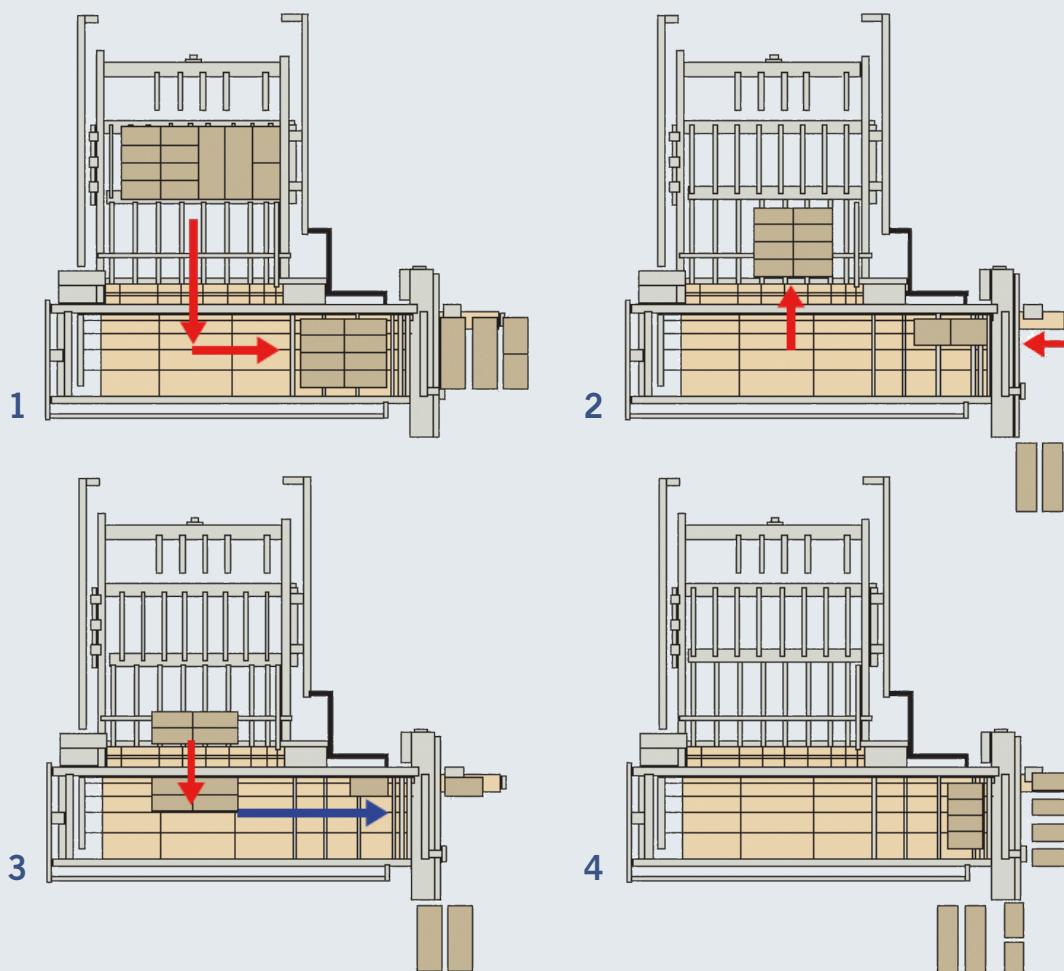
The crosscut section can be manually loaded and used as a normal single blade beam saw.

The special mechanical design and software enable panels to be loaded from the cross cut section without having to free the loading table. This is particularly useful for single batches or one-off orders.

INTERNAL PRECUTTING

The special mechanical design and the software management enable a simple and effective pre-cutting execution.

The pre-cut part is processed on the crosswise sawing axis while the main part is moved to the longitudinal axis and cut lengthwise. Simultaneous processing of both parts on two different cutting axes obtains excellent production levels for the best productive investment.



COMPLETE AND INTEGRATED SOLUTIONS

STACKER

Panel saw unloading gantry with multiple stacker stations. The two beam gantry structure will withstand the stresses and strains of heavy loads and high production rates. The gripper carriage runs on prismatic guideways with recirculating ball bearings. The guides have automatic lubrication to guarantee smooth operation and resistance to high dynamic loading.

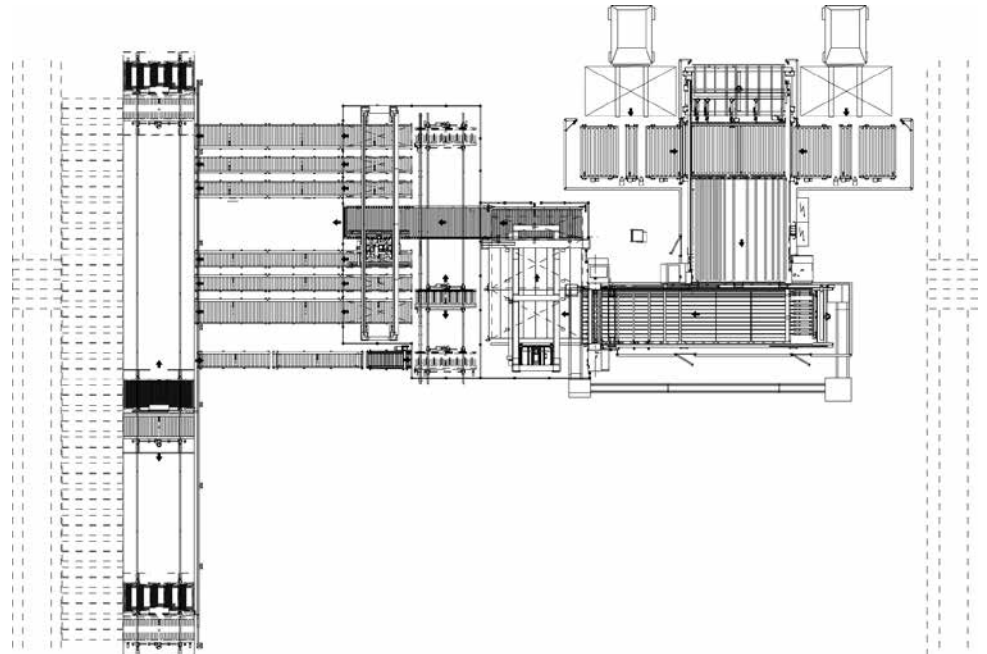


The various unloading stations ensure the best working flexibility for different unloading requirements.

The gripping device picks up and unloads panel stacks. It automatically reads the panel dimensions and together with the motorized gripper opening ensures the optimum pick-up in every working condition.

ANGULAR PANEL SAW SYSTEM WITH AUTOMATIC SORTING OF FINISHED STACKS

The cell software program provides the unloading gantry and the automatic stock with all the information necessary to enable automatic finished stack distribution without any operator intervention.



AUTOMATIC WASTE TRIM CUT HANDLING DEVICE

Automatic system for the waste trim cuts management on two cutting axes including vibrating conveyors and chopping devices.



M Maestro Digital Systems

SMART SOFTWARE AND DIGITAL SERVICES TO ENHANCE PRODUCTIVITY OF WOODWORKING AND FURNITURE INDUSTRIES.

cutting lists

> optimized cutting patterns

Maestro office

Office

Factory

Maestro active

optimized cutting patterns

> cutting

SOFTWARE

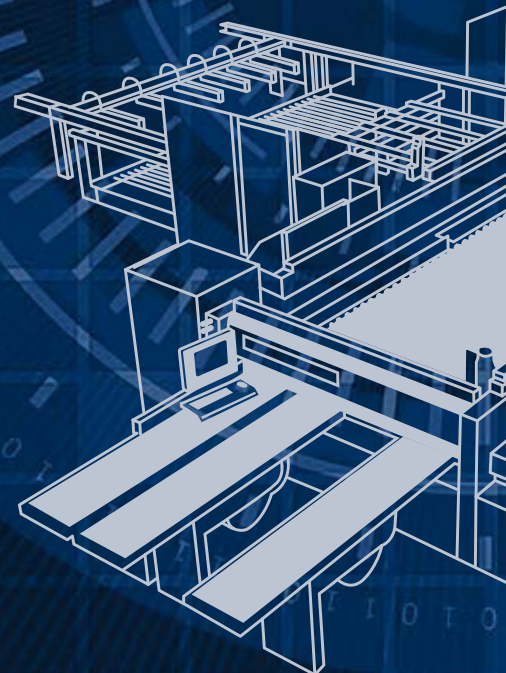
Simple, smart and open.

Maestro software are tailored on the machine technology as well as on the entire process. All Maestro software share a common mission:

easy to use, so that any operator can easily and confidently learn and use the software

smart, with algorithms and computing modules aiming at the best possible result

open in order to integrate existing software, and provide customer the coverage of all his process.



SCM accompanies woodworking companies throughout their whole process combining machines with matching software solutions and digital services, with a constant strive to enhance company productivity.

The software solutions powered by SCM are developed to optimize machine usage as well as the entire process, providing integration with the different software existing in the company.

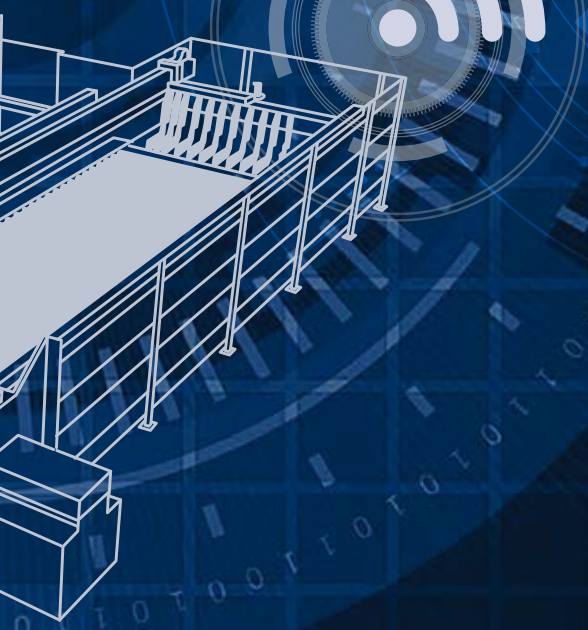
Transforming the way it delivers services to its customers through digital technologies and particularly, the IoT platform that collects and analyses data coming from the machine, SCM created a world of services enabled by Maestro connect.

Meaning that connecting an SCM machine through Maestro connect will let customer subscribe a program of fast-evolving services and access a wide range of benefits that even go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.



Maestro connect

A REAL MASTER OF EFFICIENCY





SCM LINEAR CUTTING OPTIMIZATION PROGRAM

In the office Maestro optiwise provides support during the design and optimization phases. Maestro optiwise is the linear cutting optimization program created for production management directly from the office. Depending on users' parameters, it automatically generates the cutting patterns, identifying the best solution among different results.



SOFTWARE

Office

TO EACH HIS OWN OPTIMIZATION SOFTWARE

Maestro optiwise is the professional software for controlling the entire costing and optimization process of the beam saw.

ADDITIONAL FUNCTIONS



Maestro optiwise

Maestro optiwise is the professional software supplied by SCM for beam saws management. The main strengths are:

- Improved user experience: The user can easily and effectively carry out all raw material optimization operations.
- Increased efficiency: Improved user-experience enables required tasks to be performed in less time, increasing productivity
- Less effort for customization: the application is designed with a modular architecture that allows it to be easily adapted to each customer's production logic.
- Faster user learning: The application is a useful and simple tool that allows users to be productive in the shortest possible time.
- Multi-machine management: The application is able to manage optimizations and create machine programs for single-blade panel saws and angular systems.



Maestro active cut

Maestro active is the new operator interface software which has been unified across all SCM technologies. A single operator can easily and confidently run multiple machines due to controller and interface consistency: regardless the machine, Maestro active maintains the same look&feel, with many identical icons and navigation buttons, thus ensuring the same approach to interaction.

EASE OF USE

The new interface has been specifically designed and optimized for immediate use via touch screen. Graphics have been redesigned for simple and comfortable navigation, with tablet-like icons on touch screen controller.

“ZERO” ERRORS

Improved productivity thanks to integrated help and recovery procedures that reduce the possibility of error from the operator’s side.

SOFTWARE

Factory

Maestro active cut

FULL CONTROL OF PRODUCTION PERFORMANCES

The creation of customizable reports by operator, shift, program, forecast period (and much more) allows to monitor, optimize and improve the production performance.

FULL MACHINE AWARENESS AND KNOWLEDGE MANAGEMENT SYSTEM

Maestro active allows to record the times related to setup, maintenance, training and other events, tracing all the activities in a database. The operator’s know-how is also stored and made available to other people inside the organization thanks to the possibility to comment and document all production events or notifications.

ORGANIZE YOUR PRODUCTION

Maestro active allows to create different users with different roles and authorizations (e.g.: operator, maintainer, administrator, ...). Any user can only execute the functions whose permissions have been assigned to him. It is also possible to define the work shifts on the machine and then detect activities, productivity and events that occurred in each shift.

OPTIMIZATION FUNCTION ON BOARD MACHINE

Maestro pattern is the linear cutting optimization program for user who wants to optimize cutting patterns with a few simple clicks.

A REVOLUTIONARY APPROACH TO INTERACT WITH YOUR SCM MACHINE

SUPPLEMENTARY MODULES



Cut editor angular

Labels printing software, panels editor, editor for Macro machining creation.



Cut manager angular

Simulator for cycle time calculation, simulated execution of the cutting diagrams of single or multi orders in 2D mode; priority-based and date-based scheduling of the order; advanced report.

Maestro connect

CONNECT YOUR MACHINE AND GAIN ACCESS TO A WORLD OF SERVICES

Connecting your machine through IoT technology Maestro connect will let you subscribe a program of fast-evolving services. You will access a wide range of benefits that even go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.

FASTER SERVICE INTERVENTION AND PROBLEM RESOLUTION

Maestro connect provides real time data and Health Records of the machine also to SCM Service, drastically reducing its troubleshooting time.

WORKING ALWAYS IN PERFECT CONDITIONS

Maestro connect can provide a full kit of sophisticated sensor devices to detect and warn the operator in case of alarming conditions of the machine.

SMART MACHINE

THE ENTIRE MACHINERY FLEET AT YOUR FINGERTIPS



- **REAL-TIME MONITORING** of the machine status, components, and performance in term of availability and efficiency.
- **INSTANT NOTIFICATIONS** on pc, tablet, and smartphone when machine alarms occur, allowing you to act timely and avoid additional equipment damages.

SMART MAINTENANCE

PLANNING AND MAINTENANCE: PREVENTION IS BETTER THAN... REPAIRING!



- **PLANNING:** In the Smart Maintenance section, you can find all the tools you need to plan the maintenance of the entire machinery fleet to prevent downtimes.
- **TROUBLESHOOTING:** Thanks to intuitive smart documents, Maestro connect guides the operator in the maintenance activities procedures step by step.
- **SERVICE REQUEST:** Do you need further support? Open a ticket in one click, and our experts will assist you.

WARRANTY EXTENSION

Is your machine still under warranty?



You will be able to activate the second year of warranty with facilitated conditions directly via Maestro connect.

SMART ANALYTICS

REPORT AND KPI: GET TO KNOW BETTER YOUR MACHINE



Maestro connect reports and KPIs provide an in-depth analysis of production results, enabling you to know your machine's performance in detail.

OEE: WHY IT'S IMPORTANT TO KNOW IT



The Overall Equipment Efficiency Indicator (OEE) allows you to monitor the three variables: **Availability, Performance and Quality**. By doing so, you'll be able to detect the lower one and act on it: the performance of your machine will be the highest ever.

CONSOLE EYE-M

gabbiani a 2
angular panel saw



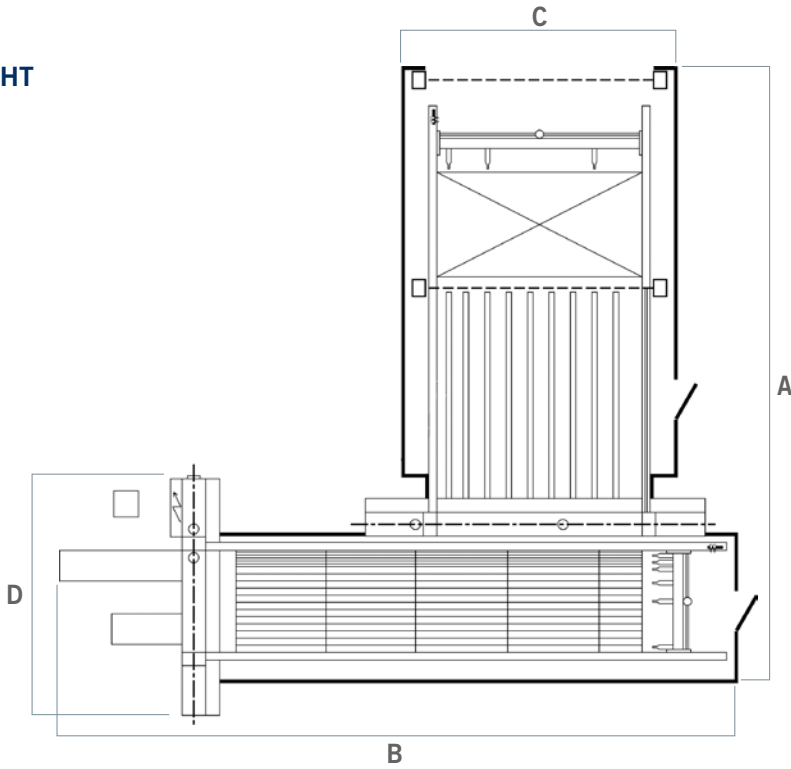
EASY-TO-USE

due to the software which manage the design, the programming and the furniture automatic production in all machining phases.

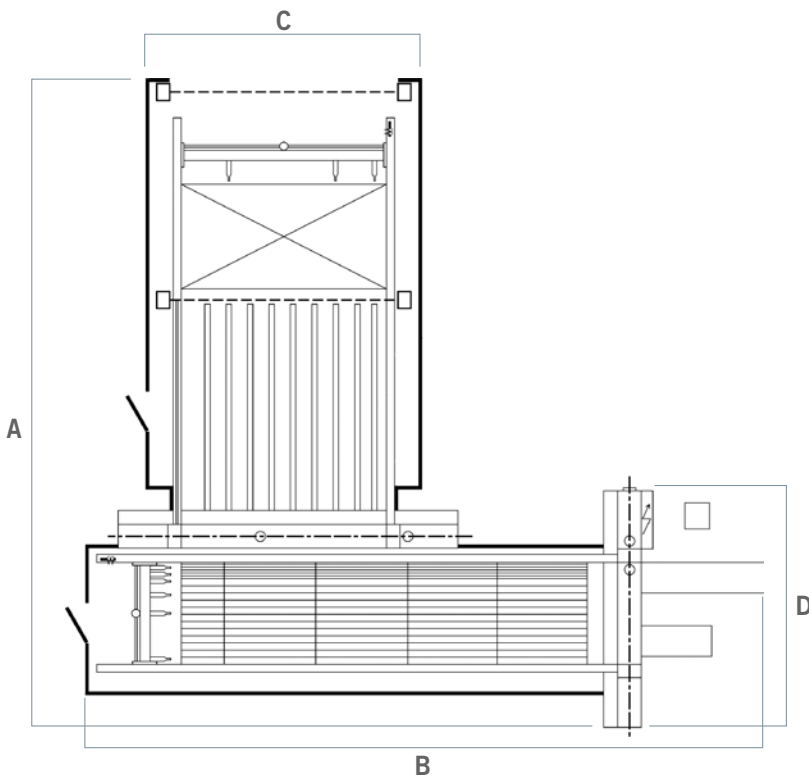
OVERALL DIMENSIONS

gabbiani a 2

RIGHT



LEFT

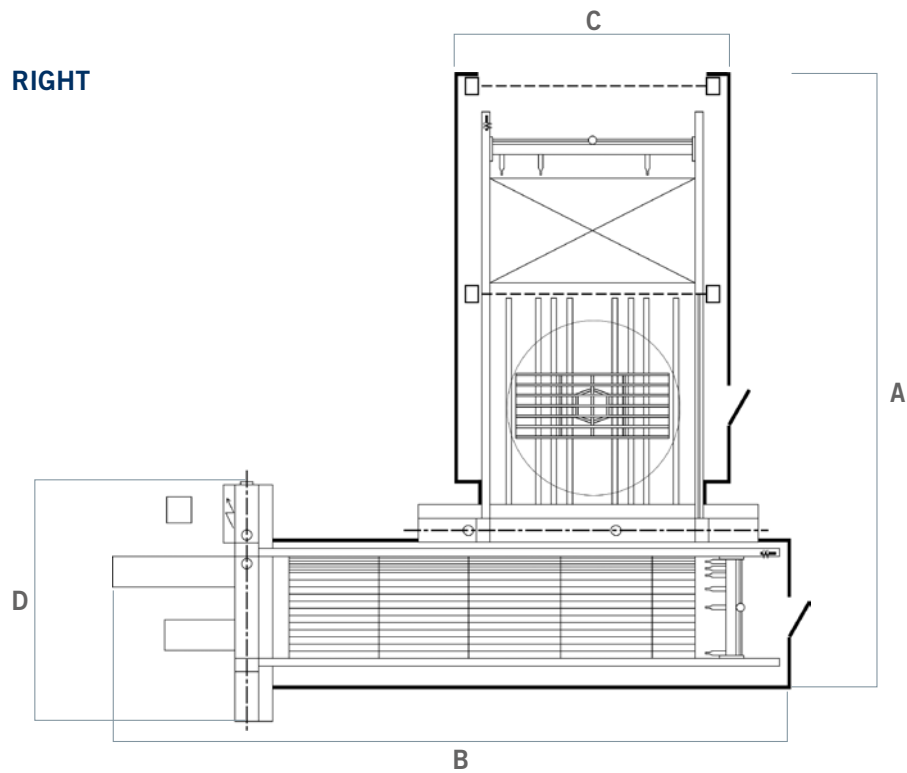


gabbiani a 2 95 - 115 - 130
Cutting dimensions

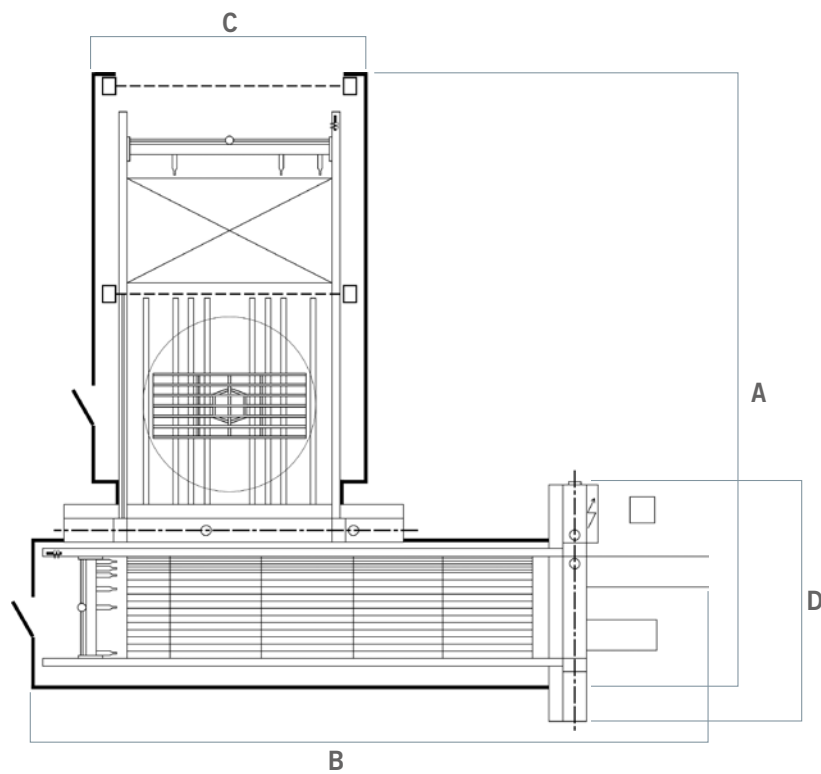
	A	B	C	D
3200 x 2440	13705	11925	4480	5385
4500 x 2440	13705	13625	6140	5385

gabbiani a 2 with rotating table

RIGHT



LEFT



gabbiani a 2 95 - 115 - 130
Cutting dimensions

	A	B	C	D
3200 x 2440	15705	11925	4480	5385
4500 x 2440	15705	13625	6140	5385

TECHNICAL DATA

gabbiani a 2 95		Rip cut section	Cross cut section
Cutting dimensions	mm	3200 - 4500	2440
Lifting table dimensions	mm	3200 x 2440 - 4500 x 2400	
Blade projection	mm	95	
Blade diameter	mm	380	
Scoring diameter	mm	200	200 - 300
Saw carriage speed	m/min	160	
Main blade motor	kW	11 - 15 - 18 - 22	
Pusher speed	m/min	90	120

gabbiani a 2 115		Rip cut section	Cross cut section
Cutting dimensions	mm	3200 - 4500	2440
Lifting table dimensions	mm	3200 x 2440 - 4500 x 2400	
Blade projection	mm	115	
Blade diameter	mm	400	
Scoring diameter	mm	200	200 - 300
Saw carriage speed	m/min	160	
Main blade motor	kW	11 - 15 - 18 - 22	
Pusher speed	m/min	90	120

gabbiani a 2 130		Rip cut section	Cross cut section
Cutting dimensions	mm	3200 - 4500	2440
Lifting table dimensions	mm	3200 x 2440 - 4500 x 2400	
Blade projection	mm	125	
Blade diameter	mm	430	
Scoring diameter	mm	200	200 - 300
Saw carriage speed	m/min	160	
Main blade motor	kW	15 - 18 - 20	
Pusher speed	m/min	90	120



ENERGY ONLY WHEN YOU NEED IT

SavEnergy allows you to operate with the devices only when really necessary. The machine moves in stand-by automatically when there are no panels to process.

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =**

The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.

*Maximum noise levels measured according to the operating conditions established by EN ISO 19085-2:2017.
Acoustic pressure in process 81 dbA (measured according to EN ISO 11202:2010, uncertainty K = 4 dB)
Acoustic pressure in process 88 dbA (measured according to EN ISO 11202:2010, uncertainty K = 4 dB)
Acoustic power in process 104 dbA (measured according to EN ISO 3746:2010, uncertainty K = 4 dB)
Even if there is a correlation between above mentioned "conventional" noise emission values and average levels of personal exposure of operators over eight hours, these last also depend on the real operating conditions, duration of exposure, acoustic conditions of the working environment and presence of further noise sources, this means the number of machines and other adjacent processes.*



SERVICE AND MAINTENANCE



TRAINING SERVICE



SPARE PARTS



DIGITAL SERVICES

SCM OFFERS A FULL RANGE OF **HIGHLY SPECIALISED SERVICES** WITH A QUALITY AND RELIABILITY THAT STEM FROM 70 YEARS OF EXPERIENCE IN THE INDUSTRY.

From installation and production start-up to services and maintenance. From training to the supply of specific original spare parts: **we provide solutions designed around you!**

CONTACT

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scmservice@scmgroup.com
www.scmwood.com

SCM SPAREPARTS

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spareparts@scmgroup.com
www.scmwood.com



My Scm

WE'LL GO THE EXTRA MILE FOR YOU



SERVICE AND MAINTENANCE

- Remote support
- Scheduled maintenance contracts
- Warranty extension



TRAINING SERVICE

- Courses for machine operators
- Software and programming courses
- Training in production start-up



SPARE PARTS

- Recommended spare parts list
- E-shop
- Interactive spare-parts catalogues
- Repairs on electronic parts, glue tanks and electro-spindles



DIGITAL SERVICES

- Maestro Connect - IoT platform to be constantly connected with your machines
- Smartech - assistance with augmented reality
- My Scm portal - opening of service ticket and single point of access to the apps and Services tools

THE STRONGEST WOOD ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

70 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

70 years history

3 main production sites in Italy

300.000 square metres of production space

20.000 machines manufactured per year

90% export

20 foreign branches

400 agents and dealers

500 support technicians

500 registered patents

In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.



WOODWORKING TECHNOLOGIES



TECHNOLOGIES FOR PROCESSING
COMPOSITE MATERIALS, ALUMINIUM,
PLASTIC, GLASS, STONE, METAL

TECHNOLOGIES



industrial equipment and components for machining the widest range of materials.

AND COMPONENTS

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems,
for those of third-parties and the machinery industry.

HITECO

SPINDLES AND TECHNOLOGICAL
COMPONENTS

es

ELECTRIC PANELS

steelmec

METALWORK

scmfonderie

CAST IRON



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