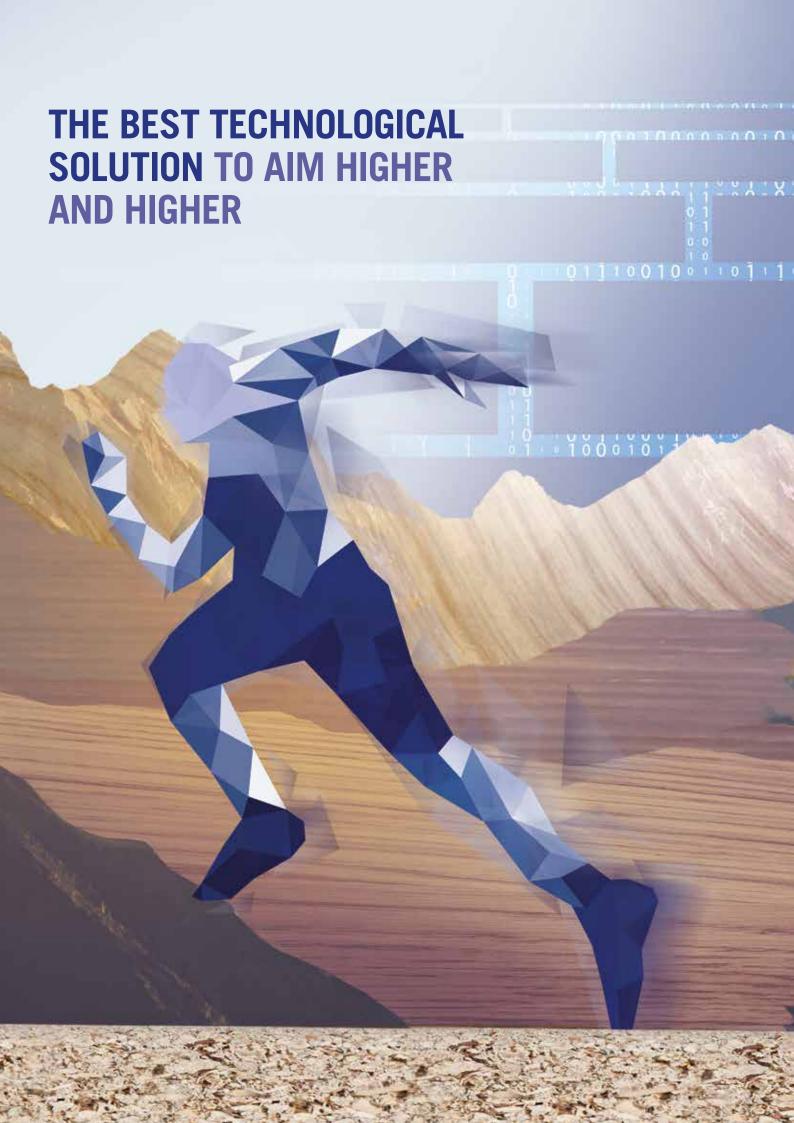
gabbiani g 3/gt 3 high performance automatic horizontal beam saws







GABBIANI G3/GT3



STURDINESS



Specifically meant to meet 3-shift productivity. Its structure is designed to withstand any strain.

PERFORMANCE



The high feed speeds, 170 m/min on the carriages, 135 m/min on the pusher beam, and high saw carriage power (up to 37 kW), will ensure excellent production levels.

QUALITY



Maximum quality of the finished product thanks the presence of optional designed to preserve the most delicate surfaces

POWER



No cutting limit. No loading limit. No limit for integration with lines.

SOFTWARE



Planning and monitoring of the entire sizing process, both on board as well as in the office.

12

OPTIONAL

28

INTEGRATED SOLUTIONS

30

OVERALL DIMENSIONS

TECHNICAL FEATURES OVERVIEW

TECHNOLOGICAL ADVANTAGES



FLEXCUT

Modular FLEXCUT system It enables the processing of complex cutting patterns in very rapid cycle times.



Floating clamps with single finger:

The special shape of the clamps allows safe grip of panels at the maximum speed and perfect parallelism, even when panels are not perfectly planar.



Pressure beam: many qualities in a single structure
This structure guarantees a uniform pressure on
panels and an optimum extraction of shavings and
sawdust with the triple dust conveying system
(one on the top applied directly to the pressure
beam, one on the bottom applied to the saw carriage
and another one on the lateral beam). Absence of
maintenance is granted thanks to the mechanical
solution studied by SCM which foresee the pressure
beam movement on prismatic guides.



Optimized pneumatic side aligner, 2200 stroke: perfect alignment of the piece against the squaring fence and cycle time reduction. (std.)



"Hi-Tronic": for top performance (opt.)



Prismatic guides with recirculating ball screws improve machine performance Minimum friction and automatic lubrication with a remarkable maintenance reduction. (std.)



Loading platform High customization and maximum versatility according to the user's requirements, with powered roller conveyor with trilateral loading (opt. on gabbiani gt3).



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. (opt.)

PERFECTION AND FLEXIBILITY OF CUT



THE BASE: THE VERY BEST RESULT IS GUARANTEED

Top quality machining on single sheet or panel packs, highspeed cutting, heavy workloads even on three daily shifts.



AIR FLOATING TABLE: AN ESSENTIAL TOOL

High efficiency air floating table with feeding rollers eases the sliding of heavy or delicate materials.

Maximum protection against risks of friction.



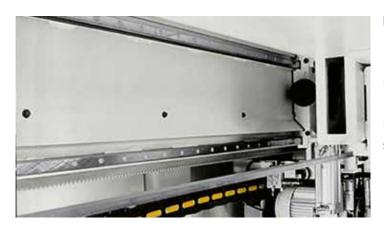
PUSHER WITH BRUSHLESS MOTOR: PRECISION AND SPEED

The best quality and the maximum performance due to the pusher stroke on prismatic guides with recirculating ball screws.



THE MACHINE BASE

is composed by sturdy tubular steel with oversized nylon wheels for moving panels, even the heaviest without damaging them.



PRISMATIC GUIDES WITH RECIRCULATING BALLS SCREW: **IMPROVE MACHINE PERFORMANCE**

Minimum friction and automatic lubrication with a remarkable maintenance reduction.

Maximum speed reachable both during the feeding stroke (100 m/ min with a single sheet, 50 m/min with a panel stack) and the return stroke (up to 170 m/min).





INVERTER: NO COMPROMISE

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



OPTIMISED BLADE HEIGHT: FOR SMART CUT

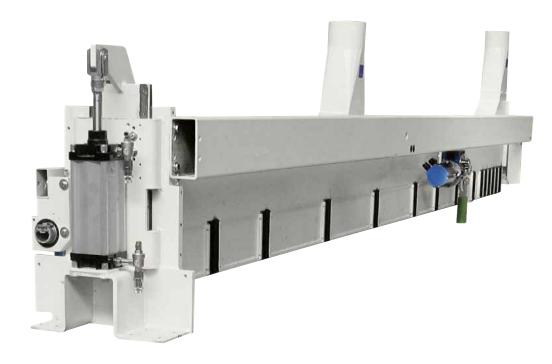
The main blade projection is automatically adjusted according to the panel thickness to be cut.

It always guarantees an optimum cut quality and reduces the machine cycle time.

PERFECTION AND FLEXIBILITY OF CUT

PRESSURE BEAM: MANY QUALITIES IN A SINGLE STRUCTURE

This structure guarantees a uniform and increased pressure on panels, with an optimum extraction of shavings and simplified maintenance.





REAR PNEUMATIC SIDE ALIGNER FOR CROSS CUTS

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



FLOATING CLAMPS WITH DOUBLE FINGER

safe grip at the highest speed on squaring side, also when panels are not perfectly planar.



OPTIONAL CUT SOLUTIONS FOR EVERY NEED



SCORING UNIT ELECTRONIC ADJUSTMENT: TECHNOLOGY FOR CONCRETE 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 carriage as standard equipment).

POSTFORMING

Lateral scoring of edged and postformed bars by means of the scoring blade rise (with HI-TRONIC carriage included as standard equipment).



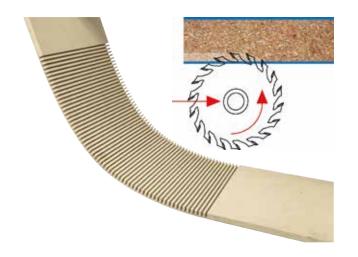


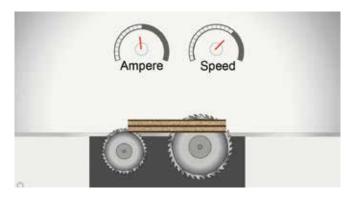
SLOTS EXECUTION DEVICE: AT THE OPERATOR'S SERVICE

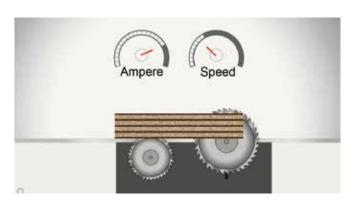
This particular device allows the carrying out of interrupted cuts inside the panel to produce, for example, slotted doors (with HI-TRONIC carriage included as standard equipment).

GROOVING EXECUTION: PRODUCTION AND FLEXIBILITY

Grooving execution allows machine customization and makes the machine more productive and versatile (with HI-TRONIC carriage included as standard equipment).







ADAPTIVE CONTROL OF THE SAW CARRIAGE SPEED: TO WORK SAFELY

The automatic monitoring of energy absorption of the motor according to the thickness/type of material and the type of the blade used gives the best results avoiding errors or wastes.

EXECUTION OF PANELS DE-TENSIONING CUTS

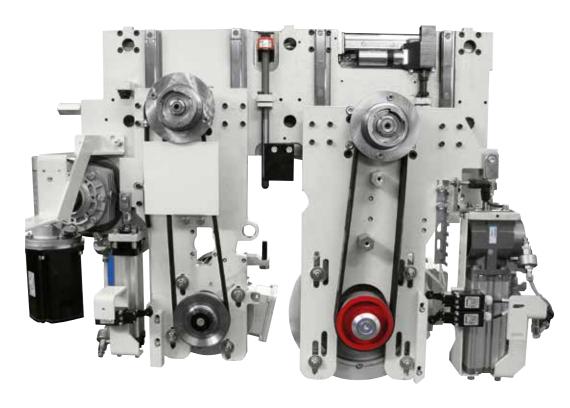
Device that reduces tensions inside the material on longitudinal cuts guaranteeing cut linearity.



CUT DEVICES

STURDY SAW CARRIAGE

with independent pneumatic raising of the main blade and scoring blade, on prismatic guides with recirculating ball screws (as standard equipment on gabbiani g 3 130/gt 3 130).





"HI-TRONIC VERTICAL STROKE" DEVICE: MAXIMUM PRODUCTIVITY

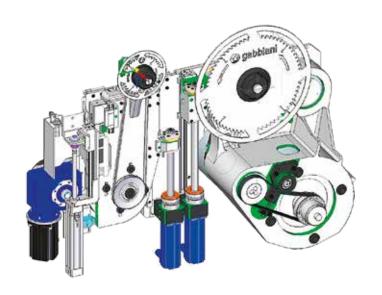
The device allows an optimum finishing and precision cut event at high-speed (optional on gabbiani g 3 130/gt 3 130). These devices include:

- 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"

HI-TRONIC: FOR TOP PERFORMANCE

The use of motors up to 37 kW ensures reaching the highest speeds. **Precision and perfect finish cut** due to a balanced solution, which foresees an oscillating movement, rather than a vertical one, of the blade motor.

Versatility of use owing to the possibility to install advanced options. **Ease of maintenance** with the belt tensioning system (as standard equipment on gabbiani g 3 145-165/gt 3 145-165 optional on gabbiani g 3 130/gt 3 130).



AKE DEVICE

Rapid locking/unlocking of the scoring blades with "AKE" mechanical flanges "EASYFIX" ("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).



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 (standard).



SAW-SET: TOOL CHANGING HAS NEVER BEEN SO EASY

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

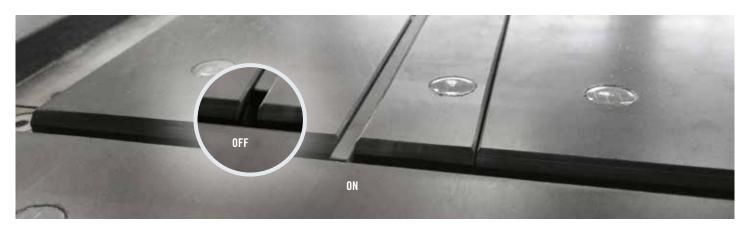


OPTIONAL CUT DEVICES

POWERED SIDE ALIGNMENT DEVICE:

drastic cycle time reduction and better grip of the piece by means of the brushless motor.





AUTOMATIC CLOSURE OF THE CUTTING LINE: it avoids the fall of waste trim cuts inside the machine.

DEVICE FOR THE SELECTIVE CLOSING OF THE CLAMPS:

the special shape of the clamps allows a **safe** panel grip at the maximum speed, while the **selective closing device prevents ruining** panels which edges are exactly positioned in correspondence of the clamps working area.



FLEXCUT

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 guide with recirculating balls screw 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.



INCREASING OF PRODUCTIVITY UP TO 40% AND SPACE SAVING UP TO 20% THANKS TO THE SIMULTANEOUS EXECUTION OF BOTH RIP AND CROSS CUTS.

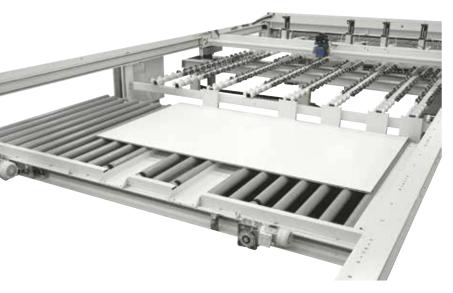
SIMULTANEOUS EXECUTION OF TWO-DIFFERENTIATED CUTS

Device consisting of a mobile grippers unit whose stroke is completely independent due to the two independent pushers which enable the following operations:

- cross and rip cuts
- cross cuts on side-by-side bars

 cross cut during the platform loading and a following longitudinal cut

LOADING PLATFORM





Front alignment devices for the automatic loading.

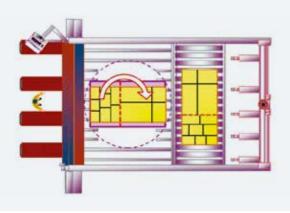
LOADING PLATFORM: WHEN STURDINESS AND PRECISION MAKE THE DIFFERENCE

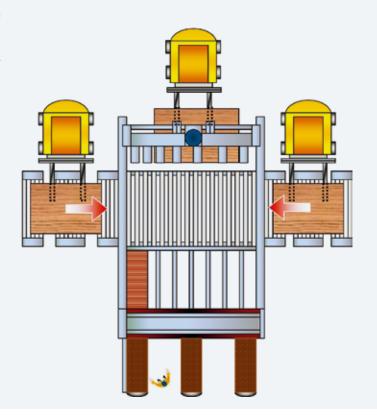
The lifting system running on 4 large trapezoidal screws is able to maximize the load capacity, with any material and format, always ensuring a parallel lifting of the panels stacks. In this way machine downtimes are avoided achieving **maximum productivity**.

PRELOADING ROLLER CONVEYORS: SPACE IS NOT A PROBLEM ANYMORE

One or more preloading roller conveyors allow the endless running of the saw.

Loading and unloading systems of the "half stack" and the baseboard or pallet handling offer effective solutions to space and production needs.





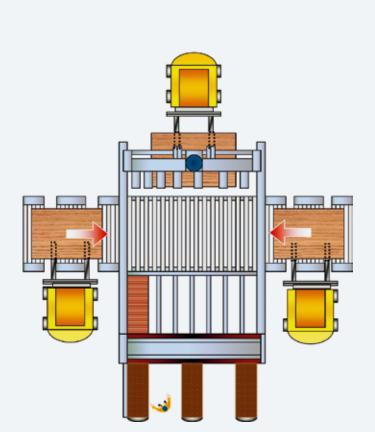


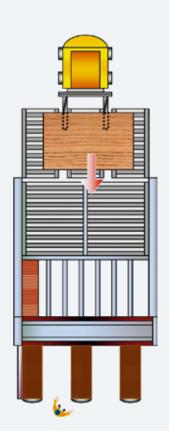


AUTOMATIC HEAD-CUT MANAGEMENT DEVICE: PRODUCE FASTER

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: GABBIANI 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.

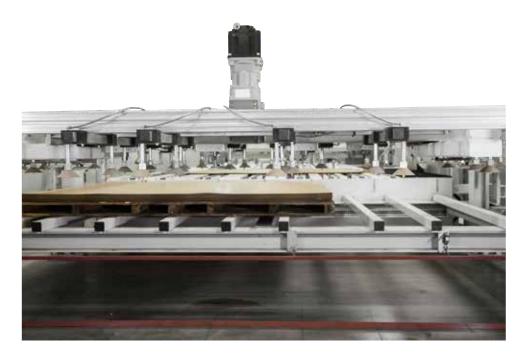




SUCTION CUP LOADING SYSTEM: THE PERFECT SOLUTION FOR PANELS WITH DELICATE COATING

The suction cup loading system is integrated in the machine to guarantee minimum space requirements.

The suction device takes the single panel and puts it down in masked time in the alignment station inside the machine.









Maestro Digital Systems

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



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.





TO EACH HIS OWN OPTIMIZATION SOFTWARE

Maestro pattern office is the standard optimization program for all SCM machines. Maestro optimise is the professional software for controlling the entire costing and optimization process of the beam saw.

ADDITIONAL FUNCTIONS



Maestro pattern office

Maestro pattern office is the office version of the standard optimization program for all SCM machines. Maestro pattern office is the result of the integration between Maestro pattern - the standard optimization program on all SCM beam saws controls — and Maestro pattern import.



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 converter cut

Maestro converter cut is the module that allows to integrate any type of cutting optimization programs with SCM beam saws through PTX file (minimum release 1.14).



Maestro active cut

A REVOLUTIONARY APPROACH TO INTERACT WITH YOUR SCM MACHINE

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.

SUPPLEMENTARY MODULES



Maestro pattern import

Maestro pattern import is the optional plug-in module which enables Maestro pattern importing production data directly from an MS Excel file.



Cut editor

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



Cut utility

Cuts editor for panels de-tensioning: software program that reduces tensions inside the material on longitudinal cuts; additional optimisation functions; off-cuts stock management: identification and automatic insertion of the off-cuts for a future use.



Cut manager

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





EASYSTORE

A simple solution that makes a project big.

INTEGRATED SOLUTIONS

FLEXSTORE ELR STORAGE FULLY INTEGRATED IN THE BEAM SAWS: OPTIMISING HAS NEVER BEEN SO EASY

flexstore elr is the SCM solution for the **needs of companies making items to order** with "just-in-time" production: processing orders quickly, keeping costs down and high quality and productivity standards.

flexstore elr is the automatic storage system which is able to serve beam saws, guaranteeing precision, high component quality and great reliability.



The excellent materials management permits high productivity and flexible machining.

Ensure:

- material savings thanks to management of material remaining after machining
- maximum flexibility for multi-function cells
- optimised material management in the production process: less space occupied, without compromising on efficiency
- · reduced risk of damage to material thanks to the absence of sliding movements
- full traceability for batch 1 production with automatic labelling
- machines with integrated production process
- reduced order execution times

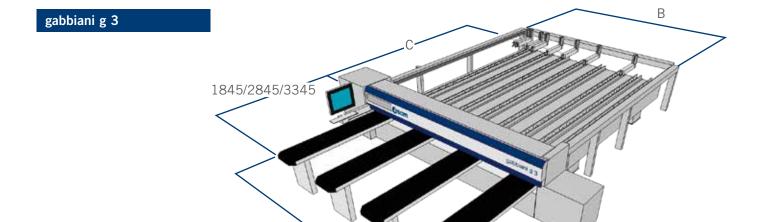


SECURE AND PRECISE PANELS TRANSFER.

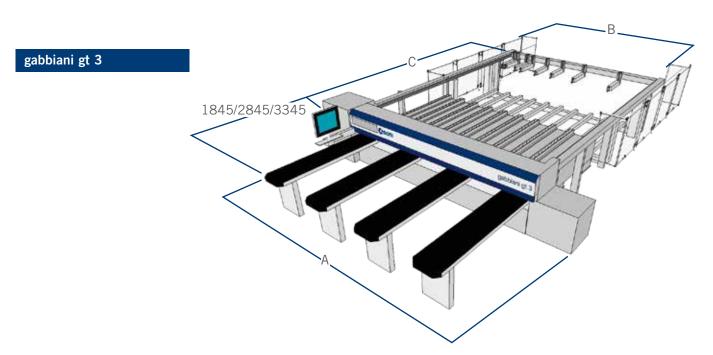
The suction cup arm automatically adapts to the different lengths and widths of the panels to be picked up.



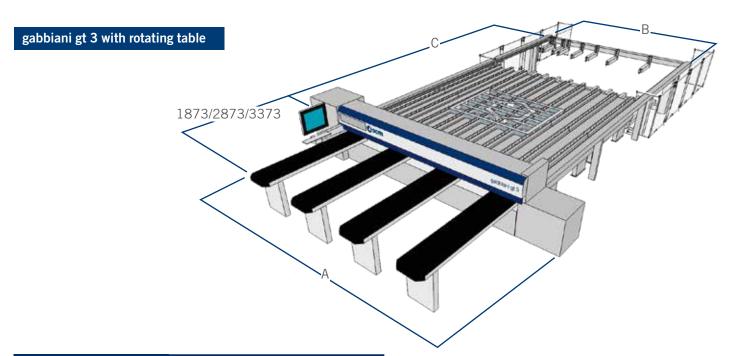
OVERALL DIMENSION



Cutting dimensions	A	В	C
3200 x 3200	5800 (6370*)	3973	4567
3800 x 3800	6400 (6970*)	4573	5279
4500 x 4300	7100 (7670*)	5273	5780



Cutting dimensions	A	В	C
3200 x 1850	5800 (6370*)	4513	6740
opz. 3200 x 2440	5800 (6370*)	4513	8100
3800 x 1850	6400 (6970*)	5113	6740
opz. 3800 x 2440	6400 (6970*)	5113	8100
4500 x 2440	7100 (7670*)	5813	8100
5600 x 2440	8500 (9070*)	7213	8100



Cutting dimension	ns A	В	C
3200 x 2440	5800 (6370*)	4513	10472
3800 x 2440	6400 (6970*)	5113	10472
4500 x 2440	7100 (7670*)	5813	10472
5600 x 2440	8500 (9070*)	7213	10472

*gabbiani g 3/gt 3 130 with HI-TRONIC carriage optional

gabbiani g 3/gt 3 145 gabbiani g 3/gt 3 165



SAV€NERGY LOWER CONSUMPTION = LOWER COSTS

Sav€nergy allows the use of power only when it is required, making things operate only when they are really necessary. It means the machine automatically enters "stand-by" mode when there are no panels to be machined at any particular time. Year saving up to 10% (optional).

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV ISO 9001

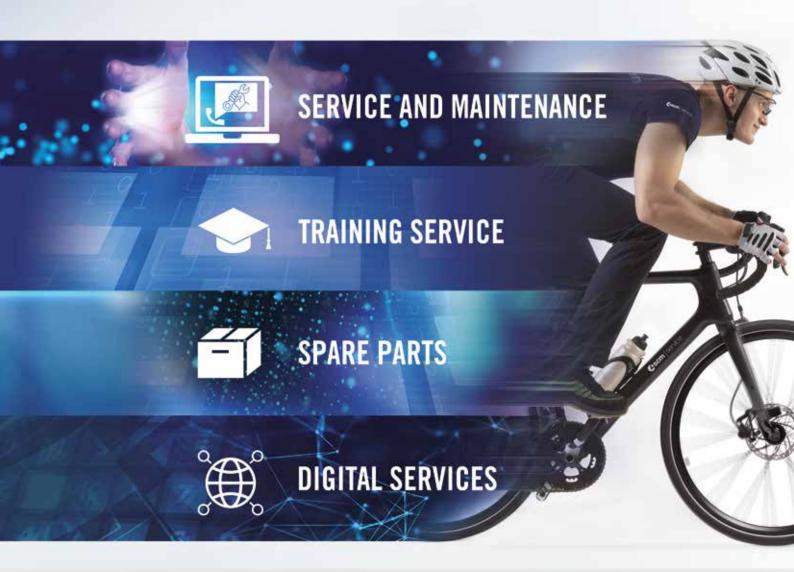
The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.

Maximum noise levels measured according to the operating conditions established by EN 1870-13:2012

Acoustic pressure in process 85 dbA (measured according to EN ISO 11202:2010, uncertainty K = 4 dB)

Acoustic power in process 103 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.



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

SCM SERVICE

via Emilia 77 - 47921 Rimini - Italy tel. +39 0541 700100 scmservice@scmgroup.com www.scmwood.com **SCM SPAREPARTS**

Via Emilia, 61 - 47921 - Rimini - Italy tel. +39 0541 674111 spareparts@scmgroup.com www.scmwood.com





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



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.



Ces

Csteelmec

Cscmfonderie

SPINDLES AND TECHNOLOGICAL COMPONENTS

ELECTRIC PANELS

METALWORK

CAST IRON







SCM GROUP SPA

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