

NEWS AND SOLUTIONS FOR PANEL SIZING

MAESTRO CUT

Easy and powerful software to programme and create all the panels imaginable

MAESTRO CUT is the new software dedicated to SCM beam saws, developed entirely by our technicians in order to equip machines with:

- **superior performance** compared to the previous versions
- **intuitive, reliable** and **customizable operator's** interface depending on customers' needs
- **materials stock**: creation of panel storage with an integrated bi-directional connection to Maestro Watch
- **off-cuts stock**: automatic off-cuts restocking that will be displayed together with the materials stock
- **parts handling management during machining**: parking solution for end products, off-cuts and scraps

SUPPLEMENTARY MODULES TO INCREASE MAESTRO CUT POWER:

MAESTRO CUT 3D EDITOR:

- labels printing software
- 3D simulator on board
- graphic editor for cutting diagrams
- panels editor
- cutting editor for grained panels (flame-cut): help functions for programming cutting diagrams with shapes organized according to the layouts on the origin panel
- editor for Macro machining creation

MAESTRO CUT UTILITY:

- cuts editor for panels de-tensioning: software program that reduces tensions inside the material on longitudinal cuts guaranteeing cut linearity
- dynamic cutting diagrams editor
- automatic panels editor (FILLER)
- off-cuts stock management: identification and automatic insertion functions of the off-cuts into stock for a future use

MAESTRO CUT MANAGER:

- simulator for cycle time calculation, simulated execution of the cutting diagrams of single or multi-orders, to verify the machine cycle time needed. It includes 2D instantaneous simulation and 3D real time simulation of the entire process
- priority-based and date-based scheduling of the order
- advanced report

NEW CONTROL PANEL: SIMPLE, LINEAR AND ELEGANT DESIGN

- 16/9 21" touch screen
- integrated PC (Multilingual Windows 7 professional embedded)
- system expandability (CPU, RAM memory, Hard Disk)
- USB port directly on the control panel
- double integrated Ethernet port
- integrated watchdog
- reduced energy consumption

SAW-SET: TOOL CHANGING HAS NEVER BEEN SO EASY

This new device for the beam set control is able to respond to every customers operational needs.

"SAW – SET" carries out fast and precise tools adjustments due to the electronic setting. In a few seconds the "SAW-SET" device allows the automatic setting of the scoring blade, following the survey of the main blade position.

Rules are changing: operator controls are over!

Set up time saver:

the operator is not tied to execute continued trial cuts anymore, in this way he can dedicate himself to other production activities.

Productivity increasing:

the time saved during the set up phases defines a better performance of the daily production.

An user-friendly machine:

this intuitive system allows to reduce the operator's training period and to increase the safety during machining.

GABBIANI g 2 130

the machine that leads you through your growth: we foresee the future to build the present

gabbiani g 2/gt 2 130, the only machine in its category having a highly competitive price yet retaining the same performance of superior category ones.

The brand new **gabbiani g 2/gt 2 130** joins the well-established gabbiani g 3/gt 3 115 within **SCM beam saws range**, in order to satisfy all requirements of the mid-sized businesses operating in a continuously changing market.

gabbiani g 2 /gt 2 130 are equipped with a new “EASY & RESPONSIVE” production system with flexible and advanced technologies following “industry 4.0” philosophy.

High productivity and machining quality due to:

TOP OF THE CLASS PERFORMANCE

Perfect cuts, even at the maximum high-speed, owing to the 15 kW motor supplied as a standard feature with RPM blade adjustment.

PRODUCTIVITY INCREASING UP TO 30%

The machine working time and the product waste are reduced thanks to the superior category devices, such as FLEXCUT 1D, and the optimization software upgrade with new algorithm. All at a competitive price.

FAST AND PRECISE TOOLS SETTING

The machine performance are boosted with the new Saw-set optional device, reducing tooling up and adjustment time, and increasing the operator safety

NEW “HI-TRONIC VERTICAL STROKE” SAW CARRIAGE

- **High productivity** thanks to the reachable high speeds
- **Versatility of use** due to the possibility to install advanced options.
- **Ease of maintenance** by the operator
- **Competitiveness** with an excellent price/quality ratio

The device includes:

- optimised 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”

REAR TABLE WITH FLOCKED WHEELS FOR DELICATE MATERIALS

Flocking is the process used to obtain a velvety effect onto a surface. In this case flocking on wheels guarantees a perfect sliding of panels with delicate surfaces, avoid ruining them.

FLEXCUT 1 FOR GABBIANI p: up to 30% increase in productivity in a reduced space due to the simultaneous execution of both rip and cross cuts

INCOMPARABLE PRECISION

The use of brushless motors sliding on prismatic guide with recirculating ball screws reduce mechanical parts friction and guarantee best precision.

FLEXIBILITY OF USE

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.

SIMULTANEOUS EXECUTION OF TWO-DIFFERENTIATED CUTS

Device consisting of a mobile grippers unit whose stroke is completely independent thanks 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 of a following longitudinal cut

DOUBLE POWERED SIDE ALIGNMENT DEVICE

- Drastic cycle time reduction and better piece grip with brushless motor.
- 2200 mm stroke driven by rack and pinion.
- Sliding on prismatic guides with recirculating ball screws.
- Double alignment roller to guarantee a continuous push on the panel, before and after the cutting line.

GABBIANI g 3 165

designed to satisfy all requirements of a company that wants to be a major player in a continuously changing market

The new **gabbiani g 3 165** beam saw is equipped with motors up to 37 kW which ensure the reaching of **high-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.

The device includes:

- optimised blade stroke
- fast blades unlocking with AKE mechanical flanges
- self-learning pressure beam
- post-forming
- scoring blade electronic adjustment
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AKE DEVICE

Rapid locking/unlocking of the scoring blades with "AKE" mechanical flanges "EASYFIX" ("AKE" patent) allowing a quick and easy change of the blades.

The tightening is ensured both with high blade-motor power and machining of the hardest materials (opt.).

THE BASE: THE VERY BEST RESULT IS GUARANTEED

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

AIR FLOATING TABLE: AN ESSENTIAL TOOL

Steel air floating table eases the sliding of the heaviest materials. Maximum protection against risks of friction even with the use of highly abrasive materials.