

# 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:

- **intuitive, reliable and customizable multi-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
- **modular software:** it is possible to increase Maestro Cut standard functionalities through plug-ins (3D simulations, report, graphic editor...)

### **PLUG-INS TO INCREASE MAESTRO CUT POWER**

#### MAESTRO CUT 3D EDITOR:

- labels printing software
- 3D simulator on board machine
- graphic editor for cutting diagrams
- panels editor
- cutting editor for grained panels (flame-cut)
- editor for Macro machining creation

#### MAESTRO CUT UTILITY:

- editor for panels de-tensioning cuts: software program that reduces tensions inside the material on longitudinal cuts guaranteeing cut linearity
- dynamic editor for modifying cutting patterns and off-cuts
- 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

## **eye-M: 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 customer's operational needs.

"SAW – SET" carries out fast and precise tool 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!**

#### **1) 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.

#### **2) Productivity increasing:**

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

#### **3) An user-friendly machine:**

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

## **Flexcut 1 for gabbiani pt 75**

up to 30% increase in productivity in a reduced space due to the simultaneous execution of both rip and cross cuts

### **1) INCOMPARABLE PRECISION**

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

### **2) 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.

### **3) 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 2 130** **the beam saw that leads you through your growth:** **we foresee the future to build the present**

**gabbiani g 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:**

##### **1) 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.

##### **2) 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.

##### **3) 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.

## **HI-TRONIC CARRIAGE: for a productivity always on top**

The use of motors with power from 22 up to 37 kW ensure reaching the highest speeds.

- **Precision and optimum finish cut** owing to a balanced solution which foresees an oscillating movement, instead of a vertical one, of the blade motor.
- **Versatility of use** due 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 flanges
- self-learning pressure beam
- post-forming device
- scoring blade electronic adjustment
- electronic mortising device
- cuts out “windows”