

THE LATEST PRODUCTS AND SOLUTIONS FOR BEAM SAWS

SCM takes centre stage at Ligna 2019 with the best of **SCM gabbiani** technology integrated with the **Maestro connect** IoT platform, to meet the demands of a 4.0 production and enhanced by new software which simplifies and optimises the operator's work.

The new devices aimed at processing delicate panels are also on display, in line with SCM's keen focus on surface treatment.

The **gabbiani s** machine on display at the fair is also integrated with the exclusive **flexstore hp** warehouse management system.

Maestro active cut: simple, powerful software to program and create all the panels imaginable

Maestro Active cut is the new software dedicated exclusively to SCM beam saws machines developed entirely by the Group's technicians so that the machinery has:

- **an intuitive and reliable multi-user transversal interface that can be customised** according to the customer's requirements;
- **materials stock:** creation of a panels storage with an integrated bi-directional connection with **Maestro active watch**;
- **off-cuts stock:** automatic off-cuts restocking that will be displayed together with the materials stock;
- **parts handling management** during machining: parking bay for end products, off-cuts and scraps;
- **modular software:** the standard functions of **Maestro active cut** can be extended using plug-ins (reports, graphical Editor, etc.).

ADDITIONAL MODULES TO EXTEND THE POWER OF MAESTRO ACTIVE CUT

CUT EDITOR:

- label printing software;
- panels editor;
- cutting editor for grained panels (flame cuts);
- editor for macro machining creations.

CUT UTILITY:

- editor for panel de-tensioning cut: software program that reduces the internal tensions of the material on the longitudinal cuts, guaranteeing the cutting 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.

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;
- priority-based and date-based scheduling of the order;
- advanced reports.

gabbiani s

The **gabbiani s** beam saw machine guarantees immediate cuts and quality with maximum cleanliness of the work surface, thanks to following aggregate groups:

- **SAW-SET: TOOL CHANGE HAS NEVER BEEN EASIER**

This new device for adjusting the blade settings can satisfy all the client's operational needs.

"SAW-SET" performs a fast and precise set-up of the tools thanks to the electronic adjustment. In a matter of seconds, this device ensures the automatic adjustment of the scorer once the main blade position has been detected.

The rules change: no more operator controls!

1) Set up time saver: the operator is no longer bound to execute repeated trial cuts and can dedicate his time to other production work.

2) Increased productivity: the time recovered during the set up phases guarantees greater return on daily production.

3) Easy machine use: intuitive system that reduces the operator's training times and increases safety during machining.

- **FRONT AND REAR DUST CONTROL CURTAINS BY SECTION ON THE PRESSURE BEAM.**

New solution which eliminates the dust from the cutting axis and guarantees maximum cleaning of the working table in any working condition.

Perfect solution with:

- ❖ Poor extraction,
- ❖ Recurring head and tail trim cuts,
- ❖ Dusty materials.

- **FlexCut 1S to carry out extremely complex cutting patterns very quickly.**

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

The extreme flexibility of these devices 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.

gabbiani pt

The **gabbiani pt** beam saw machine stands out for its ease, speed and flexibility with which it achieves perfect cuts.

- **NEW AIR BLOWING TABLE:**

Greater sliding with heavy or delicate materials thanks to the air blowing on the cutting surface that protects against the risks of friction and/or scratches.

- **FlexCut1: the modular system lets users execute highly complex cutting patterns very quickly**

- ❖ Mobile unit independent from the main pusher sliding on linear guideways (100m/min return)
- ❖ 3 clamps with double finger with pneumatic exclusion (on main pusher)
- ❖ 4 std fixed clamps with single finger (on main pusher)
- ❖ The powered double side-alignment device is compulsory

Both the machines on display at the fair are characterised by:

- **POWERED SIDE ALIGNMENT DEVICE**

Drastic cycle time reduction and better piece grip with brushless motor.

- **NEW REAR PALLET WITH BRISTLE WHEELS FOR DELICATE MATERIALS**

The bristle wheels guarantee a perfect sliding of the panels with delicate surfaces, thus preventing them getting spoiled.