

Software: Scm at Ligna with the new Maestro Suite

Many new developments and upgrades. More intuitive touch interfaces. Extraordinary results have been achieved with “Maestro Ottimo Cut”, thanks to a heuristic algorithm designed by an Italian university. Boosted work centres programs

Hannover, 22 May - At Ligna 2017 Scm will present the new Maestro Suite software.

The software management of technological solutions has become over time a fundamental aspect of the production. SCM has made significant investments in the sector to provide its clients with state of the art products that distinguish themselves for their ease of use, thanks to a simple and intuitive interface. The wide screens fitted on the machines improve the user experience.

The most significant development presented at Ligna will be the **Maestro Cut**, a software designed for single blade panel saws that is fitted with a new completely touch screen user interface on a 21” 16:9 screen, which makes the management and optimisation of the process extremely easy. Maestro Cut integrates all the machine management functions, simulates the entire production process, manages the raw materials magazine, supplies operating reports and manages the alarms and maintenance. These functions, found on all the machines, can be augmented with the **Maestro Cut 3D Editor**, that simulates the machining process and the label management in 3D, the **Maestro Cut Utility**, a library for specific machining operations and to manage the magazine, and the **Maestro Cut Manager**, that simulates the machining times and manages reports and orders.

The top of the line performance is achieved with the **Maestro Ottimo Cut**, the new optimiser produced in collaboration with a well-known Italian university, that has developed an extraordinary heuristic algorithm. This cutting optimiser for angular panel saws **reduces calculation times from 10 to 30%, produces cutting diagrams that reduce waste by up to 50% and reduces the number of panels required for the production by up to 5%**. An enormous competitive advantage that SCM is able to provide its clients and that places Maestro Ottimo Cut at the absolute pinnacle of its category.

The software for the numerical control work centres has also seen new developments. The **Maestro CNC** has the new **Maestro 3D** function, used to design and program three-dimensional objects with significant improvements in terms of importing new file formats. This upgrade allows for the automatic creation of sophisticated machining programs, such as the ones required to create bas-reliefs. The Maestro CNC specialised machining operations have been augmented with the new version of **Maestro Nest**, used to manage raw material magazines, import CSVs of DXF formats, the automatic “onion skin” machining, the management of remainders with labelling, the hogging of scrap, advanced reports with printouts of the list of machined panels, manual nesting and the advanced management of the automatic nesting parameters. **Maestro Setting**, an optimiser for stand-alone and line drilling units, is a new development that allows for the automatic tooling of drilling cycles and reduces the times of the machining cycle and the set up changes, with a significant competitive advantage for users.

The new **Maestro Suite** includes:

- Maestro CNC for work centres;
- Maestro Beam&Wall for wood building industry;
- Maestro Cut for panel sizing;
- Maestro Pro Edge for edgebanding;
- Maestro Pro Sand for sanding;
- Maestro 4-side for planing and moulding;
- Maestro Watch and Maestro Store, supervisors for complete integrated lines.

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