

SOFTWARE SOLUTIONS BY SCM GROUP

Several changes for increased usability and performance

Scm Group brings its **software** know-how to Holz-Handwerk, introducing a complete suite of cutting edge programs designed to guarantee full usability of all machine functions and to help operators carry out complex operations through a simple and intuitive process.

The focus of the exposition is **Xilog Maestro**, a software suite for the widest range of numerical control machining centres on the market today, **several new features have been introduced**. Specific programs dedicated to the software's diverse applications complete the software package.

SCM's software is being presented with six different demo installations at the fair, each focusing on a specific sector:

1. Dedicated software for panels:

- **Maestro:** CAD/CAM software for designing 3D objects on 5-axis machining centres. Used **for the first time with the Mobidelli Cyflex hp boring machining** to improve boring, while maintaining simplicity.
- This new feature helps the operator integrate use of the Cyflex boring machine with any other CNC machining centre in the group.
- **Maestro Nest:** an integrated module provides all the functionality necessary for nesting – from a single rectangular piece to the most varied and complex free-form shapes. A **new module optimises the way material waste is managed**, improving performance and productivity.
- **Maestro Edge:** this software module handles all processes related to routing, boring, edgbanding and edge finishing operations. Besides being fully integrated with the Maestro suite, the software's greatest strength is that the operator begins by telling the software “what to do” rather than “how to do it”. The software then generates the information needed and creates the finished product.
- **Maestro Cabinet:** is dedicated to the creation of home and office furniture. It focuses specifically on designing furniture and programming cabinet production step by step.
- **Maestro 3D:** a module for programming 3D objects on CNC machining centres.
- **Maestro App:** a library of programming functions developed by SCM Group and readily available for the creation of all the individual parts necessary for doors, windows, stairs, furniture, and furnishings. **Macros have evolved in this version** responding to developments in market demand.
- **Maestro Label:** a **new feature** that handles labelling panels, for a more automated and profitable nesting process.
- **Maestro ProView:** this 3D simulator brings a 3D model of the machine to the office. The software simulates the work that will be done in the production process: **includes a rapid simulator**, which speeds up the testing phase.

2. Dedicated software for housing:

- **Maestro WD:** software that focuses specifically on planning and programming every single element for linear and arc-shaped windows, doors and shutters.
- **Maestro MSL Connector:** allows external software to interface with all SCM Group's machining centres, which makes machining strategies easier to manage.

Maestro, Maestro 3D and Maestro ProView are also dedicated to housing.

3. Dedicated software for beams and walls:

- **QuickLink:** 3D manufacturing software for wood structures. The intuitive interface combines easy data entry, rapid processing and simulation and elevated flexibility, thanks to the different machining strategies. Integrated with the new **Nesting function** for x-lam walls.

4. Dedicated software for cutting plans

- **Win Cut:** manages the **sizing process** on the machine in both the program creation and execution stages. An interface connected to the machine's PLC provides clear detailed graphics for the operator.
- **Ottimo Cut:** automatically creates optimal cutting plans with parameters that can be adapted to suit the users needs. The **new release has been empowered to:**
 - **Reduce the time needed** for average complexity calculations (**up to a 200% reduction**), which makes for a more efficient set-up and planning process in production
 - **Reduce waste (up to an 80% reduction)**, reducing the cost of the finished product.
 - **Reduce the number of single cut plans (up to a 10% reduction)**, improving productivity.

5. Engineering

- **Watch:** supervision system for complex automated processes, designed to centralise and simplify management. The system optimises production changes, reduces fitting times, programs all the machines involved in the process through an integrated, modular process and provides reports and advanced diagnostics.

SCM is constantly working on this software and improving performance, proprietary software allows for maximum performance of all integrated installations by SCM Engineering.

- **Watch Store:** lets you keep track of the Flexstore automated warehouse in real time. The software is integrated with the operating, sizing and numeric control machines optimising the production process. Several new features make for an even more automated production process, making cutting edge warehouse management and supply chain strategies available to medium and small producers.

6. Edgebanding

- **E Touch:** a powerful application that let's you program and supervise edgebanding machines through a surprisingly fast, intuitive system thanks to a 3D virtual preview and

the “what to do” versus “how to do it” philosophy.

Find the HR pictures at the following link:

www.scmgroup.com/press/holzhandwerk

March 2016

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