

## SCM Group at W16 with new products, new software and new production logic for the woodworking Industry 4.0

*Birmingham, 2 to 5 October  
Stand E510*

**SCM Group**, the leading technology developer for the woodworking industry, **is to participate in W16**, the top-ranking British trade fair dedicated to the woodworking and furniture industry, to be held **from 2 to 5 October** at the National Exhibition Centre in **Birmingham**. This year the Group will offer a particularly rich presentation, displaying for the first time ever new models and latest-generation devices for wood panels and solid wood machining, including the **Morbidelli Planet P800 machining centre, representing a true revolution in CNC edgebanding**, and the **world exclusive DMC Eurosystem calibrating and sanding modular centre**.

At its stand (E510), SCM will display to visitors its best **Easy & Responsive** products for Industry 4.0 scenarios: integrated solutions and modular cell systems that offer intelligent innovations and combine sustainable investments with an ability to reconfigure production flows in order to meet consumers' requests for a wider product variety and customisation. This is a line of **solutions that are flexible and responsive, ready for changes** and able to render "mass customisation" competitive.

Software, an element of crucial importance in production logic, will be one of the main themes of the Group's presentation at W16. SCM Group will be bringing to the fair our extensive know-how and a **latest-generation software suite** that is in constant development and was designed to fully control all machine functions, in order to push towards a new industrial and production phase, more agile and more customisable.

**SCM Group** will also present the new **multimedia application for machine virtualisation**. An **innovative and unique technology** in our industry, it allows the creation of 3D interactive reproductions of any machine – in this case, solutions for **Routech Oikos, Celaschi Progress, CMS Pro Evolution and DMC System** will be demonstrated – which visitors can interact with using an iPad, for the first time ever.

### **PANEL MACHINING CENTRES**

Morbidelli will present the **latest Planet P800 machining centre**, which optimises, without compromises, profiling and edgebanding operations of the most disparate types of edgings in the same program.

Planet P800 could be equipped with the new **edgebanding unit** device, **revolutionary in its sector**, installed on a boring, routing and edgebanding centre, allows for the automatic change of pressure and guarantees the fast and easy application of plastic and wood edgings, as well as softforming machining operations with precision, speed and ease. All this is made possible thanks to the **MAESTRO EDGE** software application, which optimises all the machining phases and guarantees maximum productivity levels.

**Morbidelli will also present its Cyflex HP**, a vertical machining centre designed to handle all the boring and routing operations in less than 10 m<sup>2</sup>, and **Universal**, a perfect machining centre for furniture manufacturers interested in nesting solutions. Other new products to be displayed include the **SCM Pratix S15** router for nesting processes and the **SCM SCM Tech Z1** machining centre.

## **DOOR AND WINDOW FRAME SOLUTIONS**

**Various solutions for the door and window frame industry** These include the **Accord 25 FX**, an SCM machining centre specially designed to process such elements as doors and windows, to be displayed with the **new Matic fully automatic worktable**, which features fast, precise positioning, reliability, versatility and maximum safety. Also on display will be the **Superset NT automatic throughfeed moulder** and the **SCM Dogma angular machining centre**.

## **SANDING**

Making its world première will be **DMC Eurosystem modular centre**, a true and real exclusive that proves the Group's technological primacy in the field of flexible abrasives for wood calibrating and sanding. Thanks to the technologically advanced solutions and the high degree of component modularity, one is free to create a high number of different configurations, from the most versatile and flexible to the more specialised according to type of application. Also on display at the fair will be a range of SCM Sandya sanders, a must-have group of sanders due to their quality and reliability.

## **EDGE BANDING**

Among the main highlights at the Group's stand will be the wide range of bonding systems, from the **new SGP glue pot** to the **Air Fusion** technology and the new integrated PU BOX L premelter, shown along with a representative range of the **Stefani** and **SCM Olympic edgebanders**.

## **MACHINES FOR SMALL CARPENTRY SHOPS**

Among its products designed for **small carpentry shops**, the Group will present the **new Startech CN**, the **universal drilling and CNC panel sawing machine** designed for both small- and medium-sized companies as well as big carpentry industries producing non-standard products or developing prototypes. Also on view will be the classic, market-leading **Invincible** range of machines.

## **FINISHING**

Featured here is the **Mini** sprayer, under the **Superfici** brand, a compact, elegantly designed plug & spray solution developed in order to bring the quality and efficiency of automatic spraying within reach of every company, even small carpentry shops.

**SCM will also introduce, for the first time in the United Kingdom, its new Group motto, "Strong Reasons Why"**, which will guide its communications policy at the fair. The idea behind it is to focus on the **Group's strong values**, which translate into **tangible benefits for operators**, and to demonstrate the company's ability to offer industry professionals an **extremely wide and complete range of woodworking products and solutions**.

High resolution photos are available at the following link:  
[www.scmgroup.com/press/w16](http://www.scmgroup.com/press/w16)

## SOFTWARE SOLUTIONS BY SCM GROUP

### Several changes for increased usability and performance

**Scm Group** brings its **software** know-how to **W16 woodworking show**, 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 2 different demo installations at the fair, each focusing on a specific sector, and 5 machining centres on panel and solid wood demonstrations.

#### 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, edgebanding 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 May 2016

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