

## Scm's presence at Ligna 2017 is focused on innovation

**New software, new technological solutions and a completely automated cell for the production of customised furniture**

*The group confirmed its solidity by closing 2016  
with a turnover of 600 million euro, up 15%.*

*Systems for flexible industrial productions have doubled.*

*Scm has become the reference brand for the wood working sector,  
maintaining the heritage of the original brands in the names of the models*

**Hannover 22 - 26 May  
Pavilion 13 and Pavilion 16**

*Hannover* - Scm will arrive at Ligna 2017 strengthened by a continuous and brilliant growth. **2016 ended with a turnover of 600 million Euro, up 15% compared to 2015**, confirming its solid financial position with a good cash flow. An extraordinary result that has been driven by the **wood sector, which has exceeded 430 million in turnover, with a growth of over 15%**.

2017 began with a double digit increase in orders and turnover, a further improvement on the already good results of recent years.

SCM's presence at Ligna confirms its leadership position in the technologies for wood working processes, that today are represented by a single brand: SCM. The models inherit the distinctiveness and names of the original brands.

**The doubling of the turnover for cell systems, plants and production lines for flexible industrial productions has been particularly satisfying for SCM.** They are demanding orders, with investment costs that range from one and a half million to ten million Euro and the leap forward of this sector proves the maturity achieved by SCM Engineering.

**SCM's solidity, reliability and innovation will be on display in the enormous exhibition space at Ligna 2017.** For the first time, we have decided to present in a single pavilion, number 123, all the latest products and the production of the group, to highlight the strength and depth of the range.

Visitors will be able to admire the technological solutions and the innovative "Cell Lean 4.0". **Multimedia and virtual technologies**, like the two huge **video walls** and the **Oculus Rift virtual reality headset**, will be used to show all the machines and systems solutions produced by SCM at work. Clients will be able to live a unique sensorial experience of navigating inside the SCM technologies and further appreciate each single detail of the machining process.

The group will also have another exhibition space in **pavilion 16** dedicated to the treatment of surfaces, which will show **Superfici** and **SCM** technological solutions.

***"Cell Lean 4.0" from panel to assembled furniture with one operator  
A heuristic algorithm revolutionises the panel sizing software  
All eyes will be focused on the new Morbidelli P200 edgebanding work centre  
Many new developments in the "legendary" classic machines***

At **Ligna 2017**, in the enormous 4000 square metre stand of pavilion13 and in the stand in pavilion 16, **Scm Group** will present an impressive series of new developments in terms of systems, software and individual technological solutions.

In particular, in Hannover there will be the "**Cell Lean 4.0**", which is a concrete application of the concepts of "**Industria 4.0**" and "**mass customization**". The aim of the cell is to *meet the individual needs of the client, whilst maintaining the advantages of the industrial production*. The whole system is completely automated, managed by the **Maestro Watch** software, supported by an anthropomorphic robot fitted with a piece recognition viewer and managed by a single, not necessarily expert, operator. The "Cell Lean 4.0" is extremely flexible and able to produce a wide variety of pieces, from the production of a large number of panels ready to be assembled to "batch one". The cell uses standard, absolutely reliable, high performing, easy to use and configure machines. The system operates automatically from the moment the order is launched and is open to every operating system. The cell is therefore able to automatically manage with a single operator, all the machining phases, starting from the standard panel to the assembly of the furniture. During Ligna 2017 the "Cell Lean 4.0" will be used to produce **libraries that will be installed in the recently rebuilt schools in Central Italy, destroyed in the 2016 summer and autumn earthquakes**.

The new **Maestro Suite** software will be presented at Ligna 2017. The most significant development affects **Maestro Cut**, the software for single blade panel saws that is fitted with a new completely "multi-touch" user interface on a 21" 16:9 screen, which makes management extremely easy. **Maestro Cut**, available across the whole range of panel saws, can be used to manage all the machine functions. 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% and produces cutting diagrams that reduce waste by up to 50%**. This achievement places **Maestro Ottimo Cut** at the absolute pinnacle of its category. The numerical control work centres have also seen new developments. The **Maestro CNC** has the new **Maestro 3D** function, which 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**, that guarantees an infinite number of new nesting operations. **Maestro Setting**, an optimiser for stand-alone and line drilling units, is a new development that allows for the tooling of drilling cycles and reduces the times of the machining cycle, with a significant competitive advantage for users. **All SCM software is open system** to allow any type of connection with third party software, for the total control of the machine functions and ensuring that operators can work simply and intuitively.

At **Ligna 2017** Scm Group will present over sixty technological solutions of its various ranges, designed to meet the demands of any type of company, from small woodworking workshops to large multinational companies. After the extraordinary reception at the Open House, held at the Rimini headquarters at the beginning of the year, more space will be given to the new work centres **Morbidelli M100** and **M200**. There is great anticipation for the edgebanding work centre **Morbidelli P200**, which can resolve, for any type of company, the increasingly common problems with non-standard and shaped panels. This solution will be one of the stars of the German exhibition. There is also great expectation for the edgebanders with controlled axes, that cancel set-up times and ensure a high level of flexibility. Many new developments will also be found in the machines for small woodworking workshops, such as the double tilting circular saw Minimax SI X and the edgebander Minimax me40.

**Scm becomes the single brand of the wood sector.** each model maintains the distinctiveness and names of the original brands. Therefore within the group, SCM brings together the wood working technology and CMS the technologies developed to machine composites, aluminium, plastic, wood, glass, stone and metal. As far as components are concerned (produced by the group for its own companies, for third parties and for the mechanical industry), they have been grouped in four brands: Steelmec (metal framework), Scmfonderie (cast iron), Es (electrical panels) and Hiteco (electrospindles and technological components).

**Scm Arena.** inside the exhibition space a series of meetings, open to all, will be held to discuss the future of woodworking technology. International experts and important speakers will guide guests through the issues linked to innovation and technology 4.0.

The speakers will include clients, technological partners and designers that, with examples of solutions applied to the wood sector, will demonstrate a concrete approach to using the technology. Not only, clients will be able to enjoy the magazine that will be distributed at Ligna and that will present important case histories, where the application of state of the art technology becomes a reality.

**Scm Group.** is the world leader in technologies for machining a vast range of materials: wood, plastic, glass, stone, metal and composite materials. The companies of the group are reliable partners of successful and well-known companies that operate in various product sectors across the globe: furniture, car, aerospace, marine and plastic materials. SCM Group coordinates, supports and develops a system of industrial solutions, structured across 3 large highly specialised production poles, with over 3,300 employees and a direct presence in the five continents.

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