

Xylexpo 2020: a new image and so many new entries for SCM's user-friendly smart factory

*Milano-Rho Trade Fair, 26-29 May 2020
Hall 2 - stand F13*

Once again this year, SCM will play a key role at **Xylexpo**, now in its **27th edition** and due to be held at the **Milano-Rho Trade Fair from 26 to 29 May 2020**.

With an exhibition space of around 2,500 m², in **Hall 2**, the Italian Group confirms its keen interest in the Italian and European market, exhibiting an **extensive array of new technologies** for the entire timber sector: from the furniture industry to fixtures, right up to joinery and artisan woodworking.

"This latest edition of Xylexpo will be another key date at international level" confirms Luigi De Vito, SCM Division Director. "Xylexpo will be an excellent opportunity for SCM to exhibit technological innovation at the highest level: evolved solutions with increasing performance and flexibility but which are also easy to handle and integrate with our customers' production processes. Automation in line with demands from the smart and digital factory, but also user-friendly and accessible to all industry businesses".

New technological products which are the result of a strategic vision and continuous investment in innovation and research. A vision that has paid off, if the positive figures recorded over the last year are anything to go by: the Group ended 2019 with a **turnover in excess of 700 million Euro**, in line with 2018's record figures, **more than 70%** of which came from the timber division. This is also in line with **orders**, while the **net financial position** was an improvement on that of the previous year standing at more than 70 million Euro, proving the Group's financial solidity.

ITALIAN AND EUROPEAN MARKETS

2019 figures for the Italian and European markets were also positive. SCM consolidated its excellent results achieved in Italy in 2018 which once again positions **Italy as the number one market in Europe in terms of turnover** (over 50 million Euro) for the Rimini based Group. These results are even more significant when compared to the 30% general downturn recorded by the industry on the Italian market (*source: Acimall*).

SCM gains market shares and continues to invest. This is clear from the **new re-arrangement of the SCM Italia** branch which places *customer experience* at the heart of its own business strategy. Instant answers, efficiency and professionalism are the three cornerstones of the further strengthening of the **SCM Services** team, right across Italy. Aim: to guarantee a direct, capillary presence of the team of specialists trained in technical support, as well as offering punctual assistance at each stage of contact with the customer: from installation and production start-up, to assistance, right up to maintenance work and the supply of spare-parts. SCM consolidates its position not only as a supplier of high-tech products but, above all, an all-round partner and consultant to woodworking businesses, with the ability to establish, anticipate and meet a customer's demands.

SCM continues to invest in Europe, reinforcing its direct and capillary presence, strengthening its branches and opening new ones, as we saw last year in Austria and Switzerland. As far as the overall data recorded on the European market is concerned, significant growth was seen in the last five year period with a CAGR of 15%, against the +2% recorded on the same market in the same period.

“Smart&Solid Technologies”: all SCM's new entries at the trade fair

A COMPLETELY NEW IMAGE

SCM will be present at the fair with a **new design** and **new concept** called upon to further highlight the brand's increased consolidation within the industry.

The exhibiting area in **Pavilion 2, stand F13** will have a completely new *look&feel*; sturdy, solid, industrial and more in line with the Group's solidity and closer to the production framework of its partner companies. An exclusive, essential guise in respect of standard *green* and in line with the Corporate Social Responsibility programme already in place since 2019. Indeed, the Group implemented a programme of concrete actions to reduce waste aimed at involving all 4,000 of its employees across the globe.

In SCM's innovative and multimedia exhibition space, **the technological new entries embrace the whole range of solutions on show for the industry**: from panel machining centres and drilling to machining centres for solid wood and timber construction; from the solutions for flexible industrial edgbanding to sizing; from integrated surface treatment (pressing, sanding and finishing) to assembly; from specific solutions for fixtures to those for squaring-tenoning and profiling, right up to the vast, sought-after collection of machines for artisan woodworking. For each machining and production requirement, SCM technologies will represent a solid application of "**4.0 Industry**" and "**batch 1**" concepts with a view to meeting the customer's individual needs, while maintaining the advantages of industrial production.

THE NEW SCM SMART&HUMAN FACTORY

The **Smart&Human Factory** for the furniture industry, so successfully presented at Ligna 2019 will be re-launched with new *advantages* aimed at further increasing the productivity and flexibility of panel machining processes, to reduce waste and optimise the quality of the end product even on more delicate materials.

The new version being exhibited in Milan will be a mere example of the various configurations which this production model can take on, based on the customer's production requirements. It is made up of **flexible, modular automated cells integrated by anthropomorphic robots and interconnected by intelligent AMR unmanned shuttles**.

The "smart&human" production process of the cabinet will concern two particular areas: sizing/nesting, and edgbanding.

- 1. Nesting cell**: in the storage and cutting area, the machining centre for **morbidelli x200** nesting will be integrated directly inside **flexstore hp**, the high performance automatic storage of shaped panels. As a result, once stored and labelled, the panel will not be loaded onto roller conveyors or other moving systems but directly onto the nesting model worktable, thus protecting panels made with delicate materials or that have delicate surfaces.

Once the nesting cut has been completed, which in the morbidelli x200 is done with exclusive production levels for this kind of machining (500 pieces per shift), an anthropomorphic robot will directly unload the panel from the table and place it on the pallets, ready for the next process.

Another new aspect concerns the **management of smaller pieces and waste**: the robot will also pick these up, making them available for future made-to-order productions. The advantage is an excellent optimisation of the use of materials.

The cell however is also designed so that all the panels with no problems linked to delicate surfaces can be manually unloaded from the belt.

The blade cut will be done simultaneously to the nesting. The flexstore hp magazine will be integrated with the new **gabbiani p80** sizing machine which stands out thanks to its **Saw-Set** device which offers a faster and more accurate tool setting.

- 2. Edgebanding cell.** The new flexible **stefani cell E** edgebanding cell for "batch 1" will be configured with the anthropomorphic robot for a complete automatic management of the panel loading/unloading work. The new cell combines the advantages of a customised production and large volumes with a compact overall design and, above all, with an accessible investment even for SMEs. Parameters like colour, edge thickness, the position and depth of the mortise, the management of the protective film and panel sizes can be continually changed without interrupting the production flow. With the **new "pickback" bridge system** for the automatic return of panels, the panel is automatically rotated to speed up the next in-feed. It will also be possible to unload at the end of the cycle in masked time with the next loop load.

DIGITAL SOFTWARE AND SERVICES

SCM will demonstrate its **Digital Integrated Woodworking Process**: software and services will be presented in relation to the customer's procedure, starting from the planning stages, data preparation, machine production, production monitoring, maintenance and after-sales assistance. The presentation will be made during a **5-step customer-centric itinerary** where the customer will have a chance to find tangible, immediate answers to his/her demands.

The **MES** software solutions will provide customers with support in programming and managing production flow. The new 2020 version of **Maestro cnc** software for machining centres will present all the latest design functions, optimisation and production of data surrounding the manufacturing of pieces on machining centres.

Maestro active, the new HMI multi-touch, awarded the prestigious **German Design Award** and the **RedDot Award** will ensure control and a simple, optimal interaction with the machine.

Lastly, the new releases enabled by the **Maestro connect** platform will be presented for the **Digital Services**: as well as a centralised vision and monitoring of the status of all the machines connected in the factory, there will also be new "troubleshooting" documents to allow the user to intervene instantly to reactivate the machine, if it stops.

With a turnover of over 700 million Euro and 4,000 employees, **Scm Group** is the global leader in technologies for machining a wide range of materials: wood, plastic, glass, stone, metal, composite materials and industrial components. Across the globe, the group's companies act as highly reliable partners to leading industries in a wide range of product sectors, from furniture to construction, automotive to aerospace, and yachting to plastic machining.

Scm Group coordinates, supports and develops a system of industrial excellence in 3 large, highly specialised production centres in Italy and it operates in all 5 continents.

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