

SANDING AND FINISHING SOLUTIONS **Outstanding Quality, productivity and flexibility**

DMC will take part in the Holz-Handwerk fair with a **range of flexible sanding systems**, "modular technological containers" which, with the use of innovative technological devices that are unique in the industry, allow you to achieve first-class handmade-like finishes. **The Scm range of sanders** will be represented by the **Sandya 900**, equipped with the superfinishing unit that guarantees the very best finest finishes.

Among the finishing solutions, the **Superfici company will present Maestro, the hi-tech high-performance human-like robot for painting window and door frames or any hanging element.**



EXCLUSIVE ARTISAN FINISHES WITH THE HAND SCRAPED EFFECT

In order to compete in today's market it is essential to provide one's clients with exclusive products with superior aesthetic and functional specifications. DMC has created a series of exclusive **technological devices** for the System range of flexible sanders that allow users to achieve finishes found in artisan products such as the saw cutting effect, worm-holes, hand scraped effect, longitudinal and transversal waves, as well as the most disparate brushing and rustication effects.

The innovative **hand scraping unit**, developed by DMC, allows the reproduction on an industrial scale of the artisan finishing effects obtained with a hand scraping tool. This highly in-demand finish recalls manual woodworking processes and confers an authentic and valuable characteristic to wooden furniture. The system of vertical and transversal tool movements allows users to freely reproduce unlimited hand scraping effects that differ in terms of depth, trajectories and the shape of the grooves. Any effect can easily be achieved due to the translation system driven by brushless servomotors that guarantee fast and precise movements and the Hydra-PC control that allows for simple and intuitive programming of the machining unit.

The **complete modularity of the System range** allows end users to freely combine machining units together to achieve the most dissimilar effects and vice versa to replace them **quickly** and **economically** to adapt the machine composition to the market requirements.

The innovative range of DMC "System" sanders has been designed and constructed as a veritable "**technological container**" able to host up to 10 machining units, resulting in an extremely advanced solution that can meet any finishing requirement, even the most complex.



SANDYA 900

HIGH PERFORMANCE SANDING TO BE MORE COMPETITIVE

The calibrating-sanding machine **Sandya 900** is the correct choice for medium to high industrial companies that require **diversified machining** with a **high level of finishing quality**. After the success of the Sandya 300 and 600 models, aimed at the small and medium-size woodworking businesses, SCM increases its range of wide belt sanders with a new machine designed and produced to provide **versatility, high rate of production** and a **quality finish**.

Sandya 900 allows to satisfy **all calibrating and sanding requirements**, by offering a wide range of technological solutions allowing the possibility of customising the machines compositions. The availability of offering many types of operating units such as planing units, roller units (with 175, 220, 250 and 320 mm diameters), pad units and superfinishing units guarantees the very best results on **solid wood elements, MDF panels ready for veneer finishing and painted (matte or gloss finishes) or veneer panels**. The **superfinishing unit ensures uniform finish** and **sanding at the best level** thanks to the chevron belt which improves the **cooling** of the **abrasive action** on the work piece and the copying capacity of the "MESAR" electronic pad. Integrated electro-fan provides extreme compactness and **noise emissions**.

The programming work become simple and effective with the "Logic TS": the control with LCD display and touch-screen function allows the **complete** and **safe control** of the machine, easily and intuitively. The possibility to store up to 120 work programs to retrieve the machine settings most commonly used makes it perfect even for unskilled operators.

Further key features are:

- Heavy stock removal during the calibrating operation due to the **wide availability of motor powers** (up to 22 kW) for each operating unit
- Easy-to-use with the **worktable at a fixed height from the floor** that allows the combining of the machine with systems for loading/unloading and movement of the work piece
- **2620 mm abrasive belt length** for perfect finishing and maximum productivity
- The possibility to equip the machine with **grain evidencing** or **buffing units** to carry out particular finishing operations (rustic or weathered effects)



MAESTRO

THE HIGH LEVEL COMPLETE SOLUTION FOR THE PAINTING OF WINDOW FRAMES

Spraying of window frames

The robot features 6 axes, that can be extended to up to 11 if needed.

The robot is ready to be equipped with a quick lacquer change complete with flush tank and gun nozzles cleaning device.

The system is easily integrated into complete lines with in-line or step by step feed, complete with drying equipment and with suitable work-piece conveying system.

Pieces can if necessary be automatically turned in front of the robot to process the opposite side.

Extra wide spraying area

The system is expressly studied for the spraying of big size items, so typically for window frames. Working area 3000 x 3000 mm, if necessary wider by adding a 7th axis.

Kawasaki anthropomorphic robot

High performance industrial Kawasaki anthropomorphic robot perfectly integrated in the system is guarantee of construction quality and reliability.

The robot incorporates a double-seal construction and the electrical connections are water-resistant offering an IP67 classification.

Optimized guns holding tool

The guns holding tool is engineered to achieve a fast and always accurate positioning of the guns, when spraying the different areas of the window frames for a uniform application.

Accurate work-piece scanning

Window frames are scanned by means of reading bar integrated with special sensors to detect the work-piece misalignment, so to be able to adapt the spraying robot arm movement accordingly.

Flexible user friendly software

The control software easily manages the recipe and colour change, by recalling and listing the sequence of the different working recipes to be executed on the different work-pieces scanned at the in-feed. The system features a user friendly interface graphics.

Find the HR pictures at the following link:

www.scmgroup.com/press/holzhandwerk

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