

## A state-of-the-art sanding with SCM

Gone are the days when a wide-belt sanding machine only worked on a single flat surface. The market requires finishes that can surprise visually and by texture, and offer a unique personal touch to a design product. Quality finishes typical of artisan work but achieved using high-tech solutions. Sophisticated aesthetic results like the saw cut, carving, 3D surfaces, as well the most varied brushing and texturing effects...

With regard to sanding, SCM leads the way with a continuous R&D path aimed at increasing production flexibility, efficiency and quality standards. The latest new entries from the Group demonstrates this.

### NEW DMC SYSTEM TC WITH LASER ENGRAVING UNIT FOR AESTHETIC AND 3D EXCLUSIVE RESULTS

Does the market require increasingly customised finishes? The **dmc system tc** automatic sanding-calibrating machine is the ideal solution thanks to a new **exclusive CO2 laser engraving unit** that is particularly suited to creating three-dimensional marking on parquet, wood elements, MDF panels to be ennobled, fibre cement panels and solid surfaces.

This engraving unit represents a **completely new sanding technology** thanks to the exclusive continuous passing application. The main advantages of this solution are increased productivity and the possibility to machine parts of any length: all with a truly compact solution because the laser unit, being integrated into the machine, does not increase the amount of space used.

Another important advantage comes from **Self-Refilling technology**, a distinctive advantage of SCM's laser engraving unit and created by **Ei.En**, one of the main businesses in the sector. They are sources known as *Never Ending Power*, which are reloaded via the use of a cylinder that is replaced when the gas source runs out, guaranteeing the same process parameters and the same power over time, without interruptions to the production flow.

With this refilling innovative technology, you can have a laser source which **always works at maximum power**. The laser beam's quality will constantly remain at its highest level and the lifespan of the laser source will practically be infinite.

Another significant advantage comes from the **"eye-M"** PC panel with which it is possible to manage, program and set the laser work parameters, thanks to a simple and user-friendly graphic interface. With just three working parameters which can be changed, it is possible to define the useful marking level to guide the operator in an easily and intuitively way. All this with the further advantage of achieving machining monitoring in real time via webcam.

### SCM laser technologies have numerous applications.

The **wood flooring** machining allows you to achieve geometrical and abstract pattern with an advancement speed of up to 3 m/min. and to also score carved surfaces thanks to a dynamic focusing system of the ray.

On the **veneered effect**, the SCM laser unit is particularly well suited to customising and veneering kitchen cabinet doors.

On **Mdf** panels, relief marking before painting or plating with PVC can be achieved with the **sergiani 3d form** 3D laminating press.

When machining **fibre cement**, the laser unit is ideal for producing walls and flooring. In particular, it allows you to enoble surfaces by marking abstract and/or geometric designs or replicating wood grain.

As part of the **solid surfaces**, it is possible to achieve attractive veneering and customised effects on materials like Corian.

## **MORE EFFICIENT AND FLEXIBLE SANDING WITH THE NEW MULTIFUNCTIONAL ROLLER UNIT**

SCM continues to invest in calibrating and sanding technology to offer solutions that provide maximum production versatility even with compact size. This demand is met by **the new multifunctional drum unit** available on the **dmc sd 90** automatic wide belt sander, one of the SCM models most appreciated at international level by small-medium sized companies that need to carry out diversified processing with minimum effort and always obtaining the highest quality performance.

With this new configuration, the dmc sd 90 becomes **even more flexible**. Indeed, the **multifunctional drum unit** is crucial for all those panel and furniture manufacturers who require **flexibility and versatility/efficiency**. It allows them to switch from calibration to sanding solid wood, raw, veneered and polished panels in just a few minutes, by easily changing out the roller's rubber coating with another of a different hardness. In this way it is no longer necessary to use more operating units and the wide belt sander is able to change quickly its function.

Another key advantage of this innovation is the **reduction in machine downtime** due to rollers maintenance operations, as the operator can independently change the rubber sleeve with a new one to resume working.

Finally, its compact size makes the machine a **sustainable** technological solution **and perfect for being positioned even in very narrow spaces**, optimising production spaces.