

# SCM PRESENTS “DMC SANDMAN”, THE NEW PARTNER FOR FINISHING KITCHEN CABINET DOORS

## *SCM's new automatic solution for sanding took centre stage at AWFS*

Manual sanding of kitchen cabinet doors is a highly complex job which most companies entrust to the most skilled operators who are becoming increasingly difficult to find on the market. All this at the cost of a low output and with no guarantee of achieving uniform, optimal finishing results.

With the most advanced technologies, SCM has always supported key manufacturers in the world of furniture and design, and is now offering its clients support by launching the “**dmc sandman**” onto the market, a **new automated solution for sanding kitchen cabinet doors**. Their aim is to increase output and guarantee maximum uniformity between all the machined cabinet doors. As its name “dmc sandman” points out, the secret lies in the perfect integration of this machine with manual activities that are traditionally carried out in the finishing departments of kitchen unit manufacturers. This new solution does not replace the operators, but works alongside them to increase the **quantity, quality and uniformity of the cabinet doors produced**.

### **An ad hoc solution for the North American market**

“Dmc sandman” was **entirely designed in the United States**, where it is also manufactured. The hardware and software have been developed and fine-tuned in collaboration with numerous American and Canadian clients, who have provided valuable feedback in order for the machine to perfectly meet their requirements.

The solution put forward by SCM involves a **triple-axis machining centre** with **two separate worktables**, to continually pendulum machine kitchen cabinet doors measuring from 8” x 6” up to 60” x 28”

**Perfect machining every time.** The horizontal X and Y axes are powered by **servo motors**, while the vertical Z axis is controlled by a servo powered pneumatic valve that uses a **loading cell** to check and keep the sanding pressure programmed on the cabinet door, steady.

Both worktables are fitted with a vacuum to hold the cabinet door still during machining, and a laser measuring system to rapidly and accurately calculate the size of the piece.

**Cleaning and safety.** An air blade positioned in the central zone **cleans the abrasive at the end of each work cycle** or when the operator requests cleaning.

The hardware supplied is rounded off with a **safety scanner**, that stops the operator from accessing the worktable where the machine is working, without however impeding their access to the second table to unload the machined cabinet door and load the next one. This simultaneously guarantees **safety and work continuity**.

**Easy to use and advanced reports.** The control graphic interface is highly intuitive and means the operator can program each function in a few, simple steps. It is also possible to create a

**database of cabinet doors**, establishing all the machining parameters (sanding path, work pressure, number of passes on the frame and central panel, and the rails and stiles width, etc.) for each of them.

The system can also provide the operator with **detailed reports** concerning the number of workpieces, the average work time of the work cycles and the linear metres produced. This last piece of information can be used to activate the periodical notices that remind the operator to replace the abrasive, to maximise duration without compromising the quality of sanding.

### **All the solutions for kitchen cabinet doors with a single partner**

Together with its launch of the new "dmc sandman", SCM, with the largest range of technologies for machining wood in the world, has decided to offer several packages specifically designed for cabinet door manufacturers, to assist them in optimising their production processes and business projects.

These packages can be customised according to the kind of cabinet door being machined (shaker doors, raised doors), the material (solid wood, mdf) and finishing process (painting, 3D lamination). Furthermore, they can include machining centres for routing in nesting, automatic paint and glue spraying booths, membrane presses as well as a vast range of calibrating machines, sanding machines and automatic brush sanding machines with flexible abrasive.

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**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 on all 5 continents.

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