

## The latest from Superfici for an eco-sustainable, trendy finishing

The **surface treatment** plays an increasingly crucial role in raising the aesthetic and practical quality of a piece of furniture, a fixture or a wooden floor.... This is why SCM was the first to believe in the importance of expanding its extensive range of products and services for machining wood, even with exclusive solutions and skills in terms of **Superfici** finishing, historical brand for designing, developing and manufacturing complete machines and plants for painting. Here are some of the main innovations on show at the new SCM-Superfici Technology Center in Villasanta (MB), inaugurated during the last edition of Xylexpo 2024.

### UV LED

Also on display at the Superfici stand is a **Uv led polymerisation system** with several UV monochromatic sources of different wavelengths to achieve a controlled multi-chromatic emission in a wider spectrum compared to the pure Uv led radiation.

This allows to achieve chemical-physical performances fully comparable with standard Uv polymerisation, while maintaining the typical advantages offered by led.

Technology for the polymerisation of paints is highly advantageous in terms of eco-sustainability, thanks to the reduced energy consumption of led light compared to bulbs. Furthermore, UV LED lights do not require special disposal because they do not contain any toxic elements like mercury which is essential for the functioning of classic UV lights.

Last but not least, the UV Led lights guarantee exceptional finishing quality especially in the case of thermal-sensitive materials, because only a minimum amount of heat is released during drying; this ensures that the number of scraps falls drastically, and the finish effect is next to none.

Superfici has engineered this technology that proves to be versatile on a wide range of products, suited to standalone machines as well as high-productivity machinery and lines.

### EXCIMATT

For extra-matte effects on the finish of the most varied end products and materials, another new entry is the **Superfici excimatt**: excimer technology offering surprisingly soft touch effects and super matt finishing to satisfy the latest design trends.

Another important advantage is the possibility of achieving a greater surface hardness and scratch resistance over time: thanks to the excimer system integrated in an inert chamber, results with extra-matte finish and extremely low gloss level are achieved, without the addition of chemical additives.

### ROBOTIC SPRAYING SOLUTIONS

Standing out among the new solutions digitally illustrated we find the spraying robotic solutions.

**Robot maestro** for painting windows and doors. Designed from the arm movements of an artisan worker transformed into a robot, now with 8 axes for machining even larger windows and doors. The management and control systems are highly efficient, both in organization and work operations. This guarantees the best quality standards at each individual spray and on every single window and door.

**Valtorta bravo2**, cartesian robot for painting panels. Two 5-axe heads, precision, reliability, and delicacy combined with speed and production continuity of an automatic spraying system for unparalleled quality. Its application versatility shines thanks to the possibility of inclining and positioning the spraying guns, so as to adapt the machine to the piece's edges and structures that are not flat. After taking an automatic reading of the load, it will be possible to calculate the best spray trajectories using simple, intuitive software. No space, not even the most intricate, will be missed.

### **SCM SURFACE TECHNOLOGIES**

The addition of Superfici to the Group has made SCM a unique benchmark for the market in surface treatment processes. **SCM Surface Technologies** is an all-round, integrated offer of sanding, pressing and painting products and services to satisfy each process requirement for the achievement of exclusive, sophisticated and trending surfaces.