

SCM presents “stefani m”

Top quality machining and productivity on any kind of panel or material and in full sync with the demands of a digital, connected and integrated factory: these are the main advantages of SCM’s new industrial edgebander.

Bolstered by its R&D experience and the market success achieved with the launch of the “stefani x” two years ago, SCM is launching another new industrial edgebanding product: “**stefani m**”.

It aims to cater to the latest trends in furniture and design in terms of flexible production, Industry 4.0 and now, even Industry 5.0.

The new “**stefani m**” industrial edgebander has everything it takes to position itself as a very strong competitor on the market. Every detail has been designed to offer a solution in line with the industry's more complex demands: from the machine's structure to the digital and electronic control systems; from the machining units with power assisted movement to the latest gluing devices, for an even faster, more efficient glue change.

The result is a **highly configurable, customised** edgebander, designed to work **reliably and provide top-quality machining**, both in the stand-alone version and in integrated cells.

One other important advantage is its ability to achieve maximum quality standards easily and without interruption, even on the most delicate, state-of-the-art materials, thanks to **SCM's new electronic touch technology**.

Furthermore, in an attempt to meet the increasingly more widespread demands for flexible, connected and integrated production, “stefani m” comes with a “**Maestro active edge**” control system which means it can operate in perfect synergy with the **Maestro edgestore manager** software, other SCM technologies and MES IT and management systems used in the factory.

Industrial productivity

The new “stefani m” can machine panels at a **speed of up to 25 m/min** and with a **minimum distance between the panels of 350 mm**. All this, thanks to reliably tried-and-tested units and a new, highly rigid mechanical structure.

Excellent versatility in gluing solutions

Another significant new feature of “stefani m” is the new gluing unit which ensures the **three key technologies** are always ready to hand - PUR glue, EVA glue and Hot Air AirFusion+-, up to 6 rolls with automatic change of machining edge and height adjustment of the edge table to ensure the edge is always in the right position on the panel side.

A new, innovative **FlexMelter “all-in-one” pre-melting device** which uses EVA and PUR glue in slugs and granules, as well as a fast glue change and without waste thanks to the removable container.

High-end electronic units

The “stefani m” electronic units are designed to meet two objectives that are key to the market: ease of use even for more complex machinings on delicate, in-vogue materials, thanks to an automatic, flexible set-up, and repeatability, quality and accurate production processes, thanks to the electronic touch.

1. Y-SE 1000 Servo end trimming unit

For constant precision when cutting, irrespective of the amount and type of panels machined, to optimise machining work even on the most delicate panels, automatically control adjustments and correct any machining errors on the spot.

2. Round 2 Servo rounding unit

Guarantees top quality machining on any profile and optimises the processes even on three different edge thicknesses.

SCM PRESENTS “STEFANI X”

SCM's new industrial edgebanding machine has been designed to offer top machining quality on any kind of panel and material to fully meet the needs of a connected, integrated digital factory

Yet another high-tech new entry from SCM to cater to the latest trends in furniture and design in terms of flexible and 4.0 production.

The new "**stefani x**" industrial edgebanding machine has everything it takes to amaze the market. Every detail has been designed to offer an extremely innovative solution and in line with the industry's more complex demands: from the machine's structure to the digital and electronic control systems; from the machining units with power assisted movement to the latest gluing devices, for an even faster, more efficient glue change.

The result is a **highly configurable, customised** edgebanding machine, designed to reliably work several shifts and capable of providing **top-quality machining**, both in the stand-alone version and in integrated cells or lines.

One other important advantage is its ability to achieve maximum quality standards easily and without interruption, even on the most delicate, state-of-the-art materials, thanks to **SCM's new electronic touch systems**.

Furthermore, in an attempt to meet the increasingly more widespread demands for flexible, connected and integrated production, "stefani x" offers an exclusive **digital control system** which means it can operate in perfect synergy with other technologies and MES IT and management systems used in the factory.

The end of compromised productivity

SCM's new industrial edgebander can machine panels at a **speed of up to 30 m/min.** over several shifts per day. All this, thanks to top of the range units and a new, highly rigid mechanical structure. It also has new **dynamic units** custom-designed to further increase performance and include further high-end functions if requested.

Highly flexible even when changing the glue

Another significant new feature of "stefani x" is the gluing unit which, thanks to the unique "**glue switch**" solution, allows for a *just in time* change of colour and glue type, thus achieving even more flexible, efficient production. The "secret" lies in the fact that there are simultaneously **two glue tanks** which, during machining, can be interchanged using the type and colour of glue requested by the work programme. The glue tank can also be replaced or repaired without having to stop the edgebanding machine.

Top quality even on the most delicate edges

The new "stefani x" offers top-quality gluing no matter what type of edge it is. Indeed, the intensity of the first pressure roller can be automatically adjusted by the edgebander's control system. Furthermore, the edge can be replaced without any distance limit between the panels thanks to the new automatic edge change device with 2 and 6 rolls and with a roller change system that allows for a reduced inter-panel space of 350 mm.

New range of high-end electronic units

The new "stefani x" electronic units are designed to meet two objectives that are key to the market: ease of use even with more complex machining work on delicate, in-vogue materials, thanks to an

automatic, flexible set-up, and repeatability, quality and accurate production processes, thanks to the electronic touch.

3. Y-SE 1000 Servo and Y-SE 1200 Servo end trimming units

For constant precision when cutting, irrespective of the amount and type of panels machined, to optimise machining work even on the most delicate panels, automatically control adjustments and correct any machining errors on the spot.

4. Round 2 Servo rounding unit

Ensures top quality machining on any profile and optimises the processes even on three different edge thicknesses.

5. RC-E Multileaf glue scraping unit

Ideal for machining panels with film thanks to the automatic tool adjustment for endless film thicknesses.

*"This new edgebander is a further advancement to accompany and assist furniture and design businesses in optimising their production processes together with the technological innovation and know-how acquired by SCM in the edgebanding sector over a period of seventy years - SCM's Edgebanding Business Manager, **Fabio Cernoia** points out -. The new "stefani x" is proof that an edgebander needs to be much more than a machine. Indeed, it needs to be an all-round technological project that is highly configurable and versatile, where it is the quantitative and qualitative composition of the units that make a difference to the panel machining process".*

Scm Group is the global leader in technologies for machining a wide range of materials: wood, plastic, glass, stone, metal, composite materials and industrial. 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 with a direct presence in 5 continents and with more than 3,700 employees.

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