

THE EDGEBANDING SOLUTIONS

Aesthetic perfection, high functionality, endless benefits.

The perfect aesthetics, "cost effective" production and maximum care and attention to the materials used, are the qualities common to all edge gluing technologies that SCM GROUP provides.

Vision that is expressed in the new solutions **AirFusion, PuBox L and SGP glue pot**, that extend the already wide range of high quality technologies for the edge gluing, like **SlimLine**.

AIRFUSION. With **AirFusion** can be achieved an excellent finishing quality of the panel. This technology allows the edgebanding without the use of glue and makes **invisible the junction line between edge and panel** in an incredibly simple manner and with low investment.

The AirFusion technology is compatible and can be PERFECTLY integrated with the traditional gluing technologies to allow maximum diversification of production in a single machine. It is available on the complete range of SCM GROUP's edge banders, starting from the Olympic K 560 range, with application speed up to 25 m / min.

PU BOX L

Thanks to a new compact design, the new PU BOX L premelter for polyurethane glue **guarantees the performance of the PUR glue at the highest level by optimizing the consumption with the melting of the glue only when requested.**

The exclusive CFS cooling device prevents the undesirable increase in viscosity and, therefore, the progressive aging of the glue left in the melting chamber.

The specific design of the melting chamber, as well as the direct hermetic coupling on the glue tank, allows the maximum degree of protection against humidity without the use of nitrogen gas, even in case of non-use of the device for several days. These solutions grant high performance of the glue and always perfect finish of the panels.

SGP GLUE POT

Smart dosage management, fast glue changeover, maximum ease of cleaning of all parts, are some of the features of the innovative SGP glue pot.

SGP has been designed to minimize the amount of recirculating melted glue, in order to prevent the undesired qualitative decay and favour the concept of **always new glue**.

The exclusive **SCM GROUP's patent** also allows to instantly stop the glue pot and the exposure of the glue to the roller, thanks to an efficient locking system.

Panels of different types or thickness, or with different types of glue, can be always **perfectly processed** with ideal glue dosage and minimal glue line.

A specific software and an application roller with a new and unique design optimize all the qualitative production parameters at any time.

The SGP glue pot allows an extremely flexible and lean production, as it can work with both EVA and PU glue; it can be loaded either manually or with automatic premelters depending on the required productivity and the glues can be interchanged between them thanks to the automatic cycle of glue exchange / cleaning with discharge on a removable collection box.



J-SHAPED - CREATIVITY WITHOUT LIMITS

Thanks to Stefani's know-how, specialists in Softforming processing, it is easy to imagine new and surprising perspectives for furniture design and use.

In particular, with the specific **J-SHAPE** technology, furniture can now be designed and manufactured industrially with more attractive and minimalist features.

For example, it is possible to remove the handle, integrating it in the profile of the panel itself whilst maintaining the continuity of finishings and decorations, or it is possible to realize tops, tabletops, cabinet doors and drawers, all with inclined edge profiles up to 60° for new sensations of lightness.

The possibility of applying edges even up to 2 mm thick results in long lasting aesthetics of the machined parts, with improved resistance to daily wear and tear.



SOLUTION XD INSPIRING DESIGN AND CUTTING-EDGE TECHNIQUE

High productivity and low operating costs, profitable returns on investments, higher machining quality than any standard, technical perfection without compromises, maximum finishing quality, the possibility to contribute to the construction of high design furniture, utmost flexibility, software and Apps that allow for a very fast passage from programming to production. These are just some of the *highlights* of the new **SOLUTION XD range**, the most current synthesis of **Stefani Know How** in the industrial edgeworking sector.

SOLUTION XD is the perfect solution for super-optimised, highly integrated and extremely evolved production situations. Thanks to the new generation of "**Heavy Duty**" trimming, chamfering and edge scraper units, the more rigid supporting structures with **55%** lighter dynamic parts compared to previous versions, and also to the possibility of extra precise connection between tool and motor Zero-Lock, end users can generate a high quality production process with the utmost attention to the characteristics of the panels being machined, especially extremely delicate panels.

The new generation of corner rounding units with 2 and 4 motors, **Round 2** and **Round 4**, allow for the creation – with practically negligible set-up times – of furniture components for any aesthetic style, by being able to machine three different radiuses with speeds up to **30** metres per minute on any type of material, including wood.

SOLUTION XD, offers the broadest range of finishes for the edge/panel joint, allowing end users to use EVA glue, optimised PU glue, and the **AirFusion** joint free technology.

The new **E-Touch** interface is a veritable virtual operator that allows the machining of any size and mix of orders in incredibly short times, due to the self-learning function and the possibility of managing the entire process so that end users are free from thinking about how to produce something and focus on what to produce.



SOLUTION MD THE INDUSTRIAL EDGE BANDER ALWAYS UP TO YOUR EXPECTATIONS

High performance and capability to process panels with **solid wood lippings up to 22 mm**. These are the main features of Solution MD, the Stefani edge bander designed for all companies who require continuous processing of small and large panel batches.

On top of the well-known strength points, the “SGP” glue pot and AirFusion technology, Solution MD also offers **greater versatility** with the two available pre-melting units: one for EVA glue and the “PU BOX L” for polyurethane glue. It is therefore always possible to use the two glue types achieving top gluing quality.

Moreover, Solution MD ensures **high productivity** due to the automatic operating units, the **working speed up to 25 m/min** and the sturdy industrial machine structure.

It is possible to **work edges with 3 different radii** with the use of fully automatic "Multiedge" operating units, that also allow error-free rapid setting-up amongst the different types of machining.

MAIN PERFORMANCE:

Panel thickness: 10 - 60 mm
Edge thickness: 0,4 - 22 mm
Feed speed: 10-25 m/min



OLIMPIC K 560

HIGH PERFORMANCE AND COMPETITIVENESS AT ALL TIMES, NOW WITH NEW GLUING SOLUTIONS

Versatile and with good performance, Olympic k 560 is designed for all companies that require continuous and high quality production of a large number of panels even though they are all different from one to the next, and is now enriched with many solutions that guarantee always **the best machining on any panel type**. Now available also for this model the “SGP” glue pot, the AirFusion technology and the **pre-melting unit for EVA glue** ensuring that “freshly” melted glue is always available inside the glue pot, for the best gluing of the edge to the panel.

Perfect results on all surfaces are also obtained thanks to the controlled axes allowing all intermediate positioning of the **trimming and edge scraping groups**; this ensures an optimal edge banding even in the case of surfaces with different degrees of roughness, or panels covered with protective film. Controlled axes are also available for the upper presser, the infeed fence, the rounding group and the pressure rollers.

MAIN PERFORMANCE:

Panel thickness: 8 - 60 mm
Edge thickness: 0,4 - 8 mm
Feed speed: 12-18 m/min

Find the HR pictures at the following link: www.scmgroup.com/press/xylexpo

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