

## The Latest in Edgebanding at Ligna 2017

### “J-Shape technology” The best softforming solution

SCM, the market specialist in softforming edgebanding, has used its expertise to open up new and surprising possibilities in furniture design. In particular, the **J-Shape** softforming technology allows for an overall improvement in furniture quality. Machines fitted with this technology allow even small to medium sized companies to produce, with high production volumes and limited costs, furniture that uses the latest materials with a high level of design.

For example, handles can be integrated in the door or drawer profile for cleaner finishes and decorations; or tops and table surfaces can be produced with profiles tilted by up to 60° inwards, to create unprecedented feelings of lightness. Maximum aesthetic cleanliness of the assembled furniture can be achieved by producing the components of the box and the doors with the joints of the edges at 45°, thus creating perfect volumes.

This led the **SCM “J-Shape” edgebanding solution** to winning **the first prize at the XIA-XYLEXPO INNOVATION AWARDS**. The jury, made up of experts from the sector, awarded the Stefani technology for its ability to: *“provide an excellent solution to the demands of the market for edgebanding ergonomic profiles, whilst reducing the operating space, using polyurethane adhesives with small curvature radiuses and thick edges”*.

Amongst the features of the J-Shape is the ability of creating furniture that marries aesthetics with technological components. For example, it allows edges to be applied to surfaces with thickness up to 2 mm, guaranteeing high levels of resistance of the part in day to day use. Edging with J-Shape technology guarantees the long life of the components, even in the most demanding environments such as kitchens, where humidity and heat test the resistance of the finishings.

SCM is undertaking an important research project, in partnership with the main European manufacturers of materials for the furniture industry, in order to approve the J-Shape process for the widest range of materials possible, guaranteeing its leadership and guiding role in this sector.

### **Stefani SZ** **Flexible squaring-edgebanding cell**

Stefani SZ is SCM's latest edgebanding solution for semi-intensive production contexts and flexible production batches. This new all in one cell can be operated with a single operator, thus providing a true competitive advantage. Stefani SZ is the result of SCM's in-depth knowledge of flexible edgebanding cells.

**Compact and high performing:** in a space of **85 m<sup>2</sup>**, for the basic configuration, a single operator can produce **600 finished panels/shift**, for components either from the Nesting cycle or from the sheet cutting.

**Modular and efficient:** Stefani SZ is designed to be integrated in different operating situations, functional to different company requirements. For example, it can be integrated with a rear pickup to automatically unload the finished panels on stacks, or it can be fitted with complete automation for the panel return to the operator loading zone, to lower overall machining times.

**Precise and dynamic:** specific technical solutions guarantee maximum quality of the final furniture assembly in all its parts, even the largest such as the sides and doors. Repeatability and machining precision became a guaranteed added value for all furniture components up to **2,500 x 1,200 mm** (3,200 x1,200 mm opt).

Stefani SZ augments the extensive range of flexible and hyper-flexible edgebanding solutions, such as the **Stefani AZ, AZ+, FZ and Lean Cell** cells.

## **Stefani XD**

### **Captivating design and state of the art technology**

Here are just some of the features of the **Stefani XD** range: extraordinary productivity levels and low operating costs, high investment returns, superior machining quality, uncompromising technical perfection, maximum finishing quality, the possibility of contributing to the construction of high design furniture, highly flexible, software and apps to pass from programming to production very quickly. The range is the state of the art concentration of SCM's wealth of industrial edgebanding knowledge.

Stefani XD is the perfect solution for super-optimised, highly integrated and extremely developed production situations. Thanks to the new generation of "Heavy Duty" trimming, chamfering and edge-scraping units or the stiffer supporting structures, with 55% lighter dynamic parts compared to previous versions, or the possibility of the extra precise Zero-Lock motor tool connection, you can now generate a high-quality production process. It allows for the utmost on to the specifications of the panels being machined, especially the most delicate ones.

The new generation of corner rounding units with 4 motors and Round 4 let you, with practically null set up times, produce furniture components for any aesthetic choice, with machining on three different radiuses with speeds up to 30 metres per minute on any material, even the most delicate, wood included. Not only, today you can achieve considerable micro-adjustments of the track feeling, even by a single one hundredth, thanks to SCM's new and exclusive AFS adaptive track feeling patent.

The new Maestro PRO EDGE interface, a veritable "virtual operator", allows orders of any volume and mix to be produced incredibly quickly, thanks to the self-learning mode and the possibility of approaching the entire process by focusing on "what to produce" and not "how to produce it".

**Main specifications:**

Panel thickness: 8 - 60 mm

Edge thickness: 0.4 - 22 mm

Feed speed: 10-30 m/min

## Stefani KD State of the art performance at your fingertips

**Continuous use, versatility and exclusive solutions** for high quality machining operations are the characteristics of the new Stefani kd. All the features of current edgebanders, such as the possibility of **using 2 different glues** and the automatic machine set-up, can be found in this machine, making it ideal for all companies needing to produce a large quantity of different types of panels.

The Stefani kd includes all the principal strengths of the SCM edgebanders, such as the **SGP glue tank with two different pre-melters that can be used contemporaneously**, the QMS-P for Eva glue and the PU BOX L for polyurethane glue. Stefani kd stands out for the **automatic and error-free set up** of the machining heads, which can machine edges with 2 different radiuses and solid wood up to 12 mm thick. The **Airfusion** technology guarantees unequalled panel finishes thanks to the **invisible joint line** between the edge and the panel. Stefani kd can achieve high production levels with edgebanding **speeds up to 20 m/min**

### Main specifications:

Panel thickness : 8-60 mm

Edge thickness : 0.4-12 mm

Variable machining speed : 10-20 m/min

## Olimpic K 360: advancing technology, now with a new completely automatic model

A new **completely automatic** model of the Olimpic k 360 has been added to the current range. The use of "Multiedge" machining heads with electronic axes allows the **machine to be set up automatically** to machine panels with **2 different radiuses**, solid wood and thin edges.

The Multiedge units also ensure simple and error-free adjustments, to machine **panels with protective film**. These specifications render the new "HP T-ER1" composition ideal for companies whose success is built on flexibility. The **Olimpic k 360**, like all the Olimpic edgebanders in the range, has undergone a consistent restyling that results in a more **ergonomic use and improved access to the machining heads**. The **versatility and the machining quality** remain the features that have made the Olimpic k 360 the global point of reference for small to medium sized companies.

### Main specifications:

Panel thickness : 8-60 mm

Edge thickness : 0.4-6 mm

Variable machining speed : 11 m/min

## **Olimpic K 560: high performance and competitive with a new restyling**

The high performance and versatile Olimpic k 560 is designed for companies that need to produce numerous panels a day, even with a degree of flexibility. The K 560, like all the Olimpic edgebanders in the range, has undergone a consistent restyling that results in a **more ergonomic use and improved access to the machining heads**.

The Olimpic K 560 features the **“SGP” glue tank**, the **AirFusion** technology and the **pre-melter for EVA glue** which ensures that fresh glue is available in the tank for improved edge gluing. **Perfect results can be achieved on every surface**, thanks to the controlled axes, that allow all the intermediate positionings of the **trimming and edge scraper units**. Optimal edgebanding is thus guaranteed also with surfaces with different levels of roughness or panels with protective films. Controlled axes are also available for the upper presser, the infeed fence, the corner rounding unit or the edge pressing roller conveyor.

### **Main specifications:**

Panel thickness: 8 - 60 mm

Edge thickness: 0.4 - 8 mm

Feed speed: 12-18 m/min