

AuthoR-Evolution OPEN HOUSE PRODUCT PRESS KIT

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High resolution photos are available at the following link:
www.scmgroup.com/press/authorevolution

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AuthoR-Evolution: Revolutionising an entire product line

With the two new machining centres, **MorbideLLi Author M100 and M200**, to be shown for the first time during the Open House, SCM Group confirms its technological world leadership, offering its customers a product with an unrivalled **price–performance** ratio.

The Author M100 and M200 machining centres revolutionise the entire industry. These Morbidelli machining centres provide answers to all the problems associated with woodworking and with processing advanced materials. A solution that has been developed to provide a comprehensive answer to requests coming from the market.

The new range features an "**all-in-one technology**": a single machining centre can now provide a solution to the needs of companies and workshops that produce furniture, sound-absorbing panels and speakers, marine products and many more complex products.

The benefits offered by the revolutionary M100 and M200 machining centres are plenty:

- **More free floor space in the plant.** The absence of perimetral protections offer a better use of production floor and operators can move 360 degrees around the machining centre. The "Pro Space" solution provides big savings in terms of floor space and optimises industrial logistics.
- **Freedom, flexibility, accessibility and safety.** The design of the new machining centres allows operators to load and unload large panels safely and freely. You can load panels of up to 2,210 mm wide and 250 mm thick. Operator access, and consequent ergonomic benefits, is ensured by the absence of pipes and obstacles on all sides of "Pro Space" machines, where even the vacuum pump is mounted directly on the machine baseplate.
- **Absolute flexibility thanks to a configurable operator unit.** Author M100 and M200 have no match among other machining centres on the market because their operator units are the only ones that can accommodate up to four machining units, including a device for inserting dowels using pearl glue.
- **Unmatched finishing thanks to a 5-axis spindle head.** Ultra-compact and direct-driven, the **JQX (Just Quality eXtreme)** spindle head stands out for excellence in its market segment.
- **Drastic reduction in tool-change times.** Thanks to the patented Fast 14 system, tools can be changed between jobs in less than 15 seconds. A solution made possible thanks to a 14-position tool holder mounted directly on the rotating unit which, together with the other machine tool holders, can provide up to 60 additional tools for product manufacturing.
- **60% savings in drilling cycles.** An outstanding result that has been achieved thanks to a drilling head configuration designed to perform any kind of job on any type of furniture of any style.
- **Reduced maintenance.** The Ro.Ax spindles operate maintenance-free for over 1,000 hours – another feature that demonstrates how unique the new machining centres are in their category.
- **No downtime for setup operations.** Adding the **TV Flexmatic worktable** allows automatic positioning of support bars and suction cups even while the machine is running. The possibility of simply and easily adding all the required suction cups and removing those that are

unnecessary makes the worktable a solution that does not compromise performance, thanks to its versatility and free configurability.

- **Easy and intuitive use of the machining centres.** Operating the machine is extremely easy, using an app from the Maestro Suite: setting up the job and production cycles has never been easier. You can use a PC-Office console with a 17" LCD display or a remote TechPad control with which you can remotely operate the machine using its 7" touch-screen to speed up setup operations.
- **Extremely fast installation.** Only one technician and one working day are required to get the Author M100 and M200 machining centres ready and operational. It is another advantage when it comes to maximising productivity and to making the winning machining centre choice.

Thanks to its "affordable all-in-one technology", SCM has accepted and won the challenge of offering a product that has no match in the market and that can be configured according to the customer's needs and investment plan.

Considering their technical characteristics, the Author M100 and M200 machining centres offer an excellent **price-performance** ratio and are the perfect solutions for processing wood, plastics, solid-wood beams, panels, kitchen cabinets, home and office furniture.

New Celaschi Progress 30

Celaschi's high technology is now also available in the smallest model of its Progress range. For a very competitive price you can join the world of the brand synonymous for tenoning.

Progress 30 is the new Celaschi automatic double-end tenoner and squaring (DET) machine. Launching this new model, Celaschi offers **a high quality product to companies of all sizes, to help them own well-priced tenoners-squaring machines that are perfect for numerous types of use.**

Progress 30 stands out for its simplicity, machining quality and reliability.

The Progress 30 characteristics are similar to those of the entire Celaschi range of DET machines. The new model was designed to operate through multiple daily shifts and to process solid-wood, any type of panels, including MDF, chipboard, plywood, as well as materials other than wood, such as PVC, rockwool, expanded polystyrene, aluminium sandwich panels, and more.

The new Progress 30 offers great versatility in terms of workpiece dimensions. Size ranges from a **minimum width of 240 mm** to a **maximum of 3,100 mm**. Allowed **height ranges from 3 to 150 mm**.

Progress 30 was designed to be offered in a closed composition. The machine operating units are an engraver combined with a hogger, and a directly-mounted unit. The configuration may include a second directly-mounted unit.

The range of jobs you can perform is wide: squaring, tenoning, profiling, creating passing or blind grooves, and bevelling.

As with its Celaschi Progress "sister" products, the monobloc structure ensures maximum precision and finishing quality. To allow an agile and precise positioning, the upright beam moves using trapezoidal screws on two bases, one of which is equipped with a ball bearing guide. The guide can be adjusted horizontally to set the workpiece removal point.

The conveyor chains are 90-mm plain chains, with manually inserted pins, running at a speed of up to 24 m/min. A system known for its durability.

The top presser comes with a manual clutch which adjusts the feed rate and a system that provides uniform pressure on the workpiece throughout the length of the machine.

The Celaschi Progress 30 is operated using the **Easylink electronic control** with its 7" colour touchpad, offering incredible ease of use and fast machine setup.

New Galaxy 3/T3 125 A

The new model is an addition to the range of Gabbiani Galaxy single-blade beam saws, now launched onto the market at an extremely competitive price. The new Galaxy 3/T3 125 A can be expanded with a series of optional accessories that up until now have been available for high-end models only.

“A machine designed to grow with your company”. This motto is an expression of SCM Group's deep convictions. The new **Gabbiani Galaxy 3/T3 125 A** single-blade beam saw fully represents this business philosophy.

This new model, featuring 128 mm main blade projection, extends the range of machines with a "closed loop structure", that is, with a more precise control over the quality of machining.

The Gabbiani Galaxy 3/T3 is available on the market at an extremely competitive price and can be equipped with all the optional accessories that used to be available for high-end machines only. It is thus a perfect link in a chain of "entry-level" and "top-level" beam saws – in other words, perfect for a growing company looking ahead toward the future.

The Gabbiani Galaxy 3/T3 125 A comes with a 15 kW inverter-operated blade motor. The use of this motor offers great advantages to high-speed cut finishing of laminated panels and allows speed adjustment for cutting non-wood materials. This feature allows the machine to provide superior performance in terms of speed, precision and flexibility, which translates into higher productivity.

The Gabbiani Galaxy 3/T3 125 A can be fitted with both the FlexCut 1S and FlexCut 1D devices, which allow you to perform more cuts in less time, thanks to the use of 2 pushers with a completely independent stroke. You thus reduce machining cycle times drastically, thanks to the ability to simultaneously process several bars with different cuts. The 1S version has a single gripper to provide two completely independent cutting axes at an affordable price. The FlexCut 1D comes with two grippers, ensuring a wide variety of uses.

Noteworthy among other optional accessories available for the Gabbiani Galaxy 3/T3 125 model is the Saw-Set device, a system that allows the automatic alignment of the main blade and scorer. The scorer is self-adjusting independently after detecting the main blade position. This technology is extremely advantageous for companies, as it drastically reduces setup times. Indeed, the operator is no longer forced to perform continuous test cuts seeking the "right cut" and can focus on other functions and thus greatly benefiting the company.

Also the Galaxy 3/T3 125 is fitted with a highly intuitive and easy-to-use operator's interface that drastically reduces training times and increases workers' safety.

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 Olimpic 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.

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 edgbanding 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 4 motors, Round 4 allows 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, Olimpic 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 infed 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