

EASY & RESPONSIVE

TWO INTEGRATED CELL SYSTEMS TO ANSWER THE NEED FOR PRODUCTIVITY AND FLEXIBILITY. THE AUTOMATED STORAGE SYSTEM WITH A SINGLE TECHNOLOGICAL "HEART" FLEXSTORE EL

SCM Group Engineering presents at Xylexpo two integrated and highly-automated production systems that provide the best answers to the two main needs of the furniture industry: production optimisation for those seeking high production capacity, and competitive versatility to obtain the maximum out of "batch one" processes.

1) CELL SYSTEM WITH HIGH FLEXIBILITY AND HIGH PRODUCTION CAPACITY

Productivity: 1,000-1,300 pieces per shift

The system consists of:

- The integrated **Mahros Flexstore EL** automated storage system.
- The **Gabbiani Galaxy 3 110** single-blade beam saw with the new **electronic carriage** offering extremely competitive performance. The saw comes with a **Flexcut 1/S** single-gripper unit, the perfect companion for achieving greater flexibility and higher performance, now also equipped with a rolling bed for delicate materials.
- The **Stefani Solution XD** industrial edge bander, ideal for producing high-design furniture.
- The **Morbidelli Powerflex S** line boring machine, a ground-breaking tool for the furniture industry setting new production standards: **up to 30 panels a minute**.
- The **CPC Action** clamp unit, a highly automated solution for furniture assembly.

2) CELL SYSTEM WITH HIGH FLEXIBILITY AND MEDIUM PRODUCTION CAPACITY

Productivity: 800-1,000 panels per shift

The system consists of:

- The integrated **Mahros Flexstore EL** automated storage system.
- The **SCM Pratix S machining centre** for nesting processes, offering such new **features** as the new labelling management controlled by the Xilog Maestro software application, which makes the entire process far easier to run.
- The **Stefani Solution MD industrial edge bander**, a versatile and highly productive machine that is the perfect choice for an industry required to continuously produce numerous panels of various types.
- The **Morbidelli Cyflex hp** drilling centre, **one of the most eagerly awaited products, with its promise of increased productivity**. This solution, which occupies a space of less than 10 sq. m., boasts shorter cycle times than any other product available on the market.
- The **CPC Action** clamp unit, a highly automated solution for furniture assembly.

FLEXSTORE EL

Serving as a hub for two production flows, the Flexstore EL automated storage system, a physical expression of dynamic and intelligent automation, can interlock with the various machines that are part of the process with high precision, careful handling of materials and optimised performance. **Managing a variety of panels of different sizes and materials**, now required from any type of company involved in the production of furniture, **has become easier today** thanks to the automatic handling offered by Flexstore which is run by the **Watch Store** storage management

software application, developed entirely by the SCM Group. Using Watch Store, **space organisation and material storage are always under your control** and can be managed by any operator using a single front-end interface.

Flexstore is a fully-"responsive" solution which can adapt itself to run various flows in tight spaces, offered in a wide range of modular combinations to fulfil the needs of various types of industry. At Xylexpo, Flexstore EL will serve as a hub for production flows that favour, in one case, productivity and, in another, flexibility. A **technological "heart" that powers the modern production process with a versatile ability to adapt itself to any situation.**

Flexstore EL's Strong Reasons Why:

- Higher productivity with Batch One management
- More dynamic order management
- Greater flexibility with a streamlined and efficient production flow
- Greater integration in the sawing and nesting processes
- Higher general system performance and efficiency
- More efficient material logistics with consequent workforce reduction
- Higher end-product quality thanks to the "no-sliding" motion
- Savings in material use thanks to process waste management
- More available space thanks to the intelligent management of mixed stacks of materials

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

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