

GREAT NEWS ON THE MACHINING CENTRES FOR BORING, ROUTING AND EDGE BANDING

On display for the first time in Nuremberg will be the boring-routing and edge banding machining centre **Morbidelli Planet P800**, designed to simplify the machining of shaped panels up to 6360x1905 mm, ideal for the furniture industry which can benefit from the use of a single high-performance machine for panel routing, drilling and edgebanding.

The **Morbidelli Cyflex hp** machining centre for drilling is one of the most eagerly awaited products, with its promise of increased **productivity**.

An important contribution is also promised by the **SCM Tech Z5** line of machining centres, integrated with new devices that allow you to complete panel machining processes without requiring manual adjustments.



PLANET P800

ENSURES FAULTLESS QUALITY IN ROUTING, BORING AND EDGE BANDING

Morbidelli presents **Planet P800**, the latest machine in the Planet range that simplifies the production of shaped panels up to 6360 x 1905 in size.

Planet P800 has been developed to meet the growing need, of large industrial productions and small to mid-sized companies, to increase performance and improve their competitiveness in the production of custom products.

The new edge banding unit applies edges on panels **up to 80 mm thick**. The new exclusive “**SBRINDLE**” device detects the position of the initial part of the edge “on-the-fly” and guarantees perfect 0-360° joins, always, even in batch “1”.

Maestro Edge, the latest 3D software, performs all types of machining operations on a single platform and allows less expert operators to create, change and manage edge banding programs with **maximum execution speed**. Simple and safe **from the initial idea to the finished product**, with many new and remarkable functions to work all aspects of the panel.

Further technological pluses of the PLANET P800:

* **5-fold increase in productivity levels** with the Matic work tables that allow for 4” setup times to change between machining operations and with **automatic workpieces separation function** that allows **various panels to be machined with a single loading operation**.

* **zero limits to the shapes that can be machined with the independent and interpolating 4 and 5 axes routing solutions with 360° continuous rotation**, production costs reduced by 20% with the **10 and 18 position magazines** installed directly on the machine, so that tool changes do not affect machining times.

* **zero play** with the new *RO.AX technology (Rotoaxial spindle technology)* that ensures perfect boring. The most efficient spindle on the market **with rotation speeds up to 8000 RPM** to configure the machine with different boring units from **26 to 50 independent spindles**, for customers demanding high boring levels.

* **zero defects**: *perfect edge banding even on complex profiles with the new gluing unit* that applies glue directly on the edge and an exclusive glue roller **with integrated heating element** to ensure uniform gluing always and in any condition.

* **machining any type of edge in all situations**. The **NC Z axis** allows the lower projection of the edge to be adjusted in relation to the work table to centre it in relation to the panel, for example when using dust seal edges. The automatic adjustment of the height of the edges feed system guarantees zero down times in batch "1". Maximum flexibility is provided by the edges magazine that can hold up to 12 different edges.



CYFLEX hp **BORING WITHOUT LIMITS**

CYFLEX hp the extremely compact CNC _ Machining centre for all boring, blade cutting and routing operations. The machine features the lowest cycle times of any other competitor in the market thanks to 2 independent boring heads that optimise any boring diagram and the 6.6 kW 24,000 RPM electrospindle complete with 6-tool magazine. This ensures maximum productivity in **batch "1" productions**.

The latest generation ultra-stiff **boring heads with independent Y** and maximum speeds of 8000 RPMs, *with the RO.AX (Rotoaxial spindle technology) technology*, ensure perfect boring results. The most efficient spindle in the market.

Perfect joints: automatic reading of the workpiece length. Any difference between the actual length of the panel and the one set is measured and corrected during boring, to eliminate any possible error.

The latest generation Xilog Maestro software is simple and easy to use. An incredibly simple software, ideal even for non-expert operators.



SCM TECH Z5 DRILLING AND DOWELLING: THE COMPLETE WORKING CYCLE

Tech machining centres are designed to satisfy the requirements of woodworking workshops in search of multi-functional, powerful, reliable and easy-to-use drilling and routing centres, able to carry out any type of machining.

In the past, for drilling and dowelling machining, it was necessary to have two machines with two dedicated operators that, in addition to the programming, they also had to move the panel from one machine to the other, with all manufacturing inefficiencies and costs consequences.

SCM decided to fully **automate this process** with the aim to optimise the machining times and provide high quality performance.

This is why the **innovative HI.LOCK (High locking system) dowel insertion unit was designed, the solution that offers to customers an easy-to-use device** that can also manage the insertion of dowels on a machining centre.

Reduction of cycle times and optimisation of productivity with no more time wasting for cleaning operations, thanks to the use of glue capsules contrary to traditional dowelling devices, where it is necessary to remove the remaining drying glue from the various components after a temporary production-stop.

No manual operator's intervention with the Xilog Maestro software that manages the programming of all the working phases, from the position to the insertion depth.



PRATIX S THE CUSTOM NESTING TECHNOLOGY FOR FORWARD-LOOKING CUSTOMERS

A further step has been taken in the evolution of SCM's machining centre, that uses the same technology of industrial drilling and routing centres, yet not renouncing to flexibility and versatility in a more compact version.

Perfect holding down of small components or in conditions of reduced vacuum holding, thanks to the pressure rollers. By pressing close to the working area, the rollers are also ideal for the machining of overlapped panels.

Maximum efficiency in all machining situations with automatic management by NC, the operator only needs to activate the rollers from the program. In case of machining where their use is not foreseen, the rollers are excluded maintaining unchanged the machine performance.

Extremely easy-to-use, also for unskilled operators, thanks to the Xilog Maestro operator's interface software that allows the programming of the entire nesting process from the initial design phase to the single workpiece labeling.

It is possible to customise the labels with logos and text or numerical data in bar-code format (it is also available the qr-code format).

Optimisation of time, materials and resources with Pratic S in "cell version" complete with loading platform and unloading belt. No limitation of the working flow, where the panels feeding is possible without any distinction towards the right side and the left side or vice versa, or with the machine integration in the new Flexstore EL automatic storage system that controls and manages both the storage of the panels inside the panel storage area and the working sequence on the machine.

Please find all the Scm Group pictures in the dedicated press area:
www.scmgroup.com/press/holzhandwerk

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