

SCM MACHINES FOR THE JOINERIES

The best technologies at the small, medium and also large woodworking companies service



STARTECH CN, NC UNIVERSAL DRILLING AND GROOVING MACHINE

STARTECH CN has been designed for the **small-medium woodworking workshops** but also for **larger companies** that produce customised products, with in house prototype development departments.

Thanks to the 7 independent vertical spindles, the spindle and the blade in "X", the possibility to drill in "Y", finished furniture elements can be produced without having to adjust the bits with no operator's intervention for the worktable and machine set-up according to the panel dimensions.

STARTECH CN is a user-friendly compact drilling machine (only 4 m²) which can be installed in a reduced space.

This new SCM machine is ideal for **flexible production**: a real advantage as it allows a combination of customised craftsmanlike machining with the speed and precision of semiautomatic production.

The new STARTECH CN machines work pieces up to 3050x800 mm through the progressive and sequential panel positioning by a suction cup with intake air vacuum; furthermore the right and left guide facilitates accurate machining utilizing the 2 stop arrangement, similar to that used on high end CNC's.

The drilling head positioned above the panel allows a precise machining with a reliable reference: thanks to the distinctive drilling from the top, the Startech CN gives a **high and steady level of precision which can be verified in the panel assembly phase**; in fact the system uses the outside of the panel as a reference and thus any differences in thickness are on the inside of the cabinet.

The STARTECH CN operating group allows extreme flexibility in processing on the 4 side faces:

- Dowelling holes, upper surface (vertical spindles, bit tool);
- Lateral dowelling holes, lateral surfaces (horizontal spindles, bit tool);
- Horizontal grooves (blade);
- Hinges holes (vertical spindles, tool tip countersink)

The machine is controlled by an NC with touch-screen colour display and self-diagnosis/ signaling system of errors or damages, simple head tooling and machining cycle programming with automatic optimization.

The possibility to save and import working programs allows the machine to repeat complete drilling cycles with absolute precision and rapidity eliminating possible errors.



L'INVINCIBILE SIX THE "EXCELLENCE" OF THE CIRCULAR SAWS

The SiX circular saw is the top range of the L'invincibile machines and it is the most effective and safe answer for all the woodworkers looking for a powerful solution to cut veneered panels and solid wood material.

SiX offers a unique **cutting capacity in its class** in both **straight cuts (90°)** in which it is possible to have a cutting height up to 200mm **and oblique in both directions (+/- 46°)** with a tilting range of 92°, all **without removing the scoring blade**.

A new blade unit allows the **simultaneous use of the main blade** (up to 550mm) **and scoring blade** (160mm), obtaining maximum performance and flexibility on all machining.

In fact, one of the main **SiX** advantages is the capacity to cut veneered panels thicker than 100mm with $\pm 46^\circ$ tilting. This feature, in addition to the time saving guaranteed by not having to change the blades, allows the easy processing of **panels with a greater height than the standard**; strong demand from a market more and more focused on the use of large panels.

The trend, in fact, in the design objects and furniture is the recall to the solid wood robustness, shapes and styles obtainable thanks to the possibility to section larger and larger work pieces with the exclusive L'invincibile SiX circular saw.

Due to the double blade tilting, the operator can carry out tilted cuts on both panel sides, without the necessity to overturn it, thus preserving the surface or in case of complex shapes which cannot be overturned (i.e. frames or handrails) always with the maximum safety and guaranteeing the best finish quality with a minimal waste.

The new **L'invincibile SiX** includes an advanced "**patented**" technological solution; the exclusive **AP System**. The system allows the automatic positioning of the overload protection according to the blade tilting. This makes faster and safer the change of cuts with different tilting without that the operator has to change the machine set up.

All the machines of "L'invincibile" range are "intelligent" and understand in real time the instructions coming from the operator, and assisting him by eliminating the possibility of error and risks of accidents - **Just one cut, the right one!**

The Scm sliding carriage of the SiX circular saw does not require adjustment and it has 10 years guarantee, confirming its reliability and the high quality with which it is built; furthermore the carriage grants the best cutting precision thanks to its extremely smooth sliding due to:

- the steel hardened guides adjusted in rhomboidal position in order to avoid dirt to accumulate
- the ball sliding system with self-cleaning system

L'invincibile SiX is the result of years of research and development and long experience associated to a history of success, which confirms Scm Group once again among the worldwide main players on an international level.



MINIMAX ME 35 EDGE BANDER A COMPLETE EDGE BANDING

The Minimax ME 35 is the edge bander for the conventional workshop with the best performance/price ratio on the market. It has been enriched with a series of additional operating groups which further facilitate and enables a very high quality finish of product, thus reducing to the minimum the operator's need for re-finishing and ensures a considerable amount of time saved. This technological solution is unique in its category, where such operations are normally associated with machines of larger dimensions and higher cost.

The main news of the me 35 which will be presented on show are the following:

- the **glue pot rapid unlocking** (very useful during cleaning and maintenance operation) together with **possibility to use polyurethane glue**: a unique feature for machines with reduced dimensions that aims to eliminate downtime when substituting the glue and to increase the edge banding flexibility.
- For edge banding requirements with particularly delicate edges (for example high gloss) a further optional device for the trimming unit has been developed; this is dedicated to the **delicate edges treatment**, with "rolling" copiers instead of the "sliding" ones.
- the **end-cutting unit with "Radius"** the optional unit which allows you to make a radius on the corners of the edged panel without the need for the operator to have to finish by hand at a later stage.
- the **grooving unit** that is able to execute a slot on the panel directly during the edging process (usually this operation is carried out by a circular saw) and without having to sacrifice the finishing and cleaning units.

Minimax me 35 is the perfect solution also in markets with particularly demanding weather conditions. Due to a heating device, the joineries with colder work environments can count on a pad that heats the panel improving the edge gluing effectiveness.



MINIMAX "ELITE S" TECHNOLOGICAL SOLUTIONS FOR THE EVERYDAY WOODWORKING WORKSHOP, AN EVEN MORE INTUITIVE USE OF THE "ELITE S" MACHINES RANGE

The "Elite S" is the "superior" range of the professional machines manufactured by Minimax. Thanks to the exclusive Scm know-how in the field of machines for the general woodworker, the "Elite S" range presents at Xylexpo some important news:

- the **new squaring frame with the CompeX device** (Scm Patent), that allows to carry out tilted cuttings (acute and obtuse) on the **same squaring fence profile** without having to reposition it and maintaining the fence always close to the operator, with a stable work piece support thanks to the support bars and a constant and total cutting control. Furthermore the device is equipped with a **mechanical automatic self-adjustment** of the stops position of the squaring fence when varying its tilting

- the **new digital readouts** for the squaring fence stops that allow their immediate and easy visualisation.

The Minimax “Elite S” range is preparing to confirm the success of last year at the LIGNA in Hannover with:

- a **fully renewed design**, more simple and ergonomic with a strong structure that makes the machines of this series even more practical and safe.
- a **360 mm wide sliding table** made of extruded anodised aluminium with a closed honeycomb structure, that grants an optimal support also for **larger panels**.
- **the sliding table runs on an exclusive slideway system** consisting of calibrated and hardened guides which are secured to the carriage itself with a procedure for aluminium reventing. It is the result of 50 years’ experience and expertise at Scm that grants a perfect sliding due to absence of fixing glues absence that could create inaccuracies.
- the **saw unit** with a strong **cast-iron structure** with **closed ring** that is supported under the table by two side trunnions giving a high rigidity support and tilting to the unit, for a higher cutting precision in every situation.
- The start and stop **pushbuttons** for the saw blade and scoring blade **integrated in the saw carriage** (optional), very useful in processing larger panels that could hinder and prevent an easy and safe access to the main machine control panel.

Minimax, the best combination in absolute **safety** between **performance** and **technology**...from today even more easy-to-use!

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

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