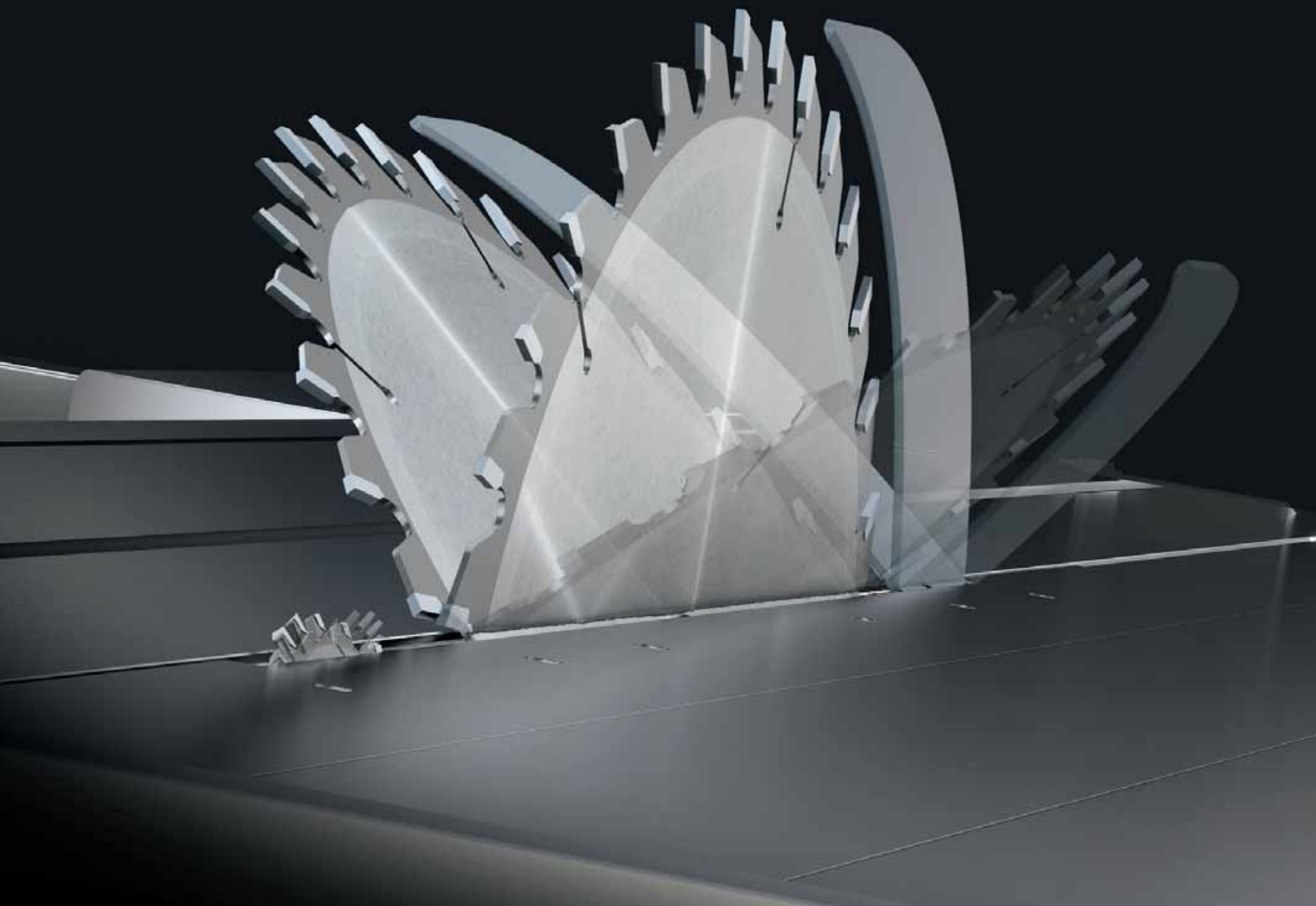


L'invincibile

si X



CIRCULAR SAW

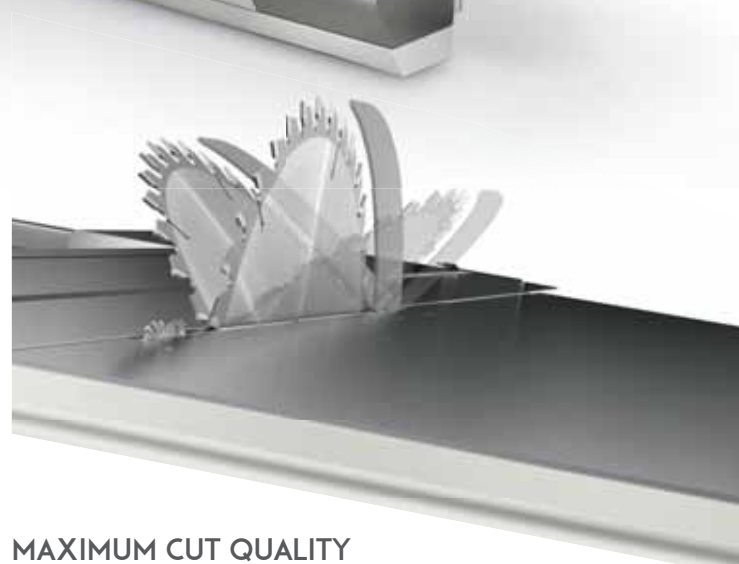
L'invincibile SiX,
just one cut,
the right one!

L'invincibile SiX is the top line of SCM circular saws. The special attention to the technological development dedicated to this machine makes it the only one on the market capable of **simultaneously use a 550mm saw blade and 160mm scoring blade, for both 90 ° and ± 46 ° tilted cuts**, providing **maximum cutting height** on veneered panels and solid wood components, without compromises!

Thanks to the exclusive **AP System** (SCM patent), the **overhead protection automatically positions itself** as a function of blade, giving maximum assistance to the operator.



+ productivity
- compromises



FOR EXCELLENCE IN MACHINING: "ARC" PROFILE

- no play and no need for adjustments over time
 - higher loading capacity
 - ± 0,05 mm tolerance on the entire carriage length for straight and high quality cutting.
- The horizontal positioning of the guides ensures protection from dust therefore.

MAXIMUM CUT QUALITY GUARANTEED OVER TIME: SLIDING CARRIAGE.

The carriage will never require adjustment and thanks to its structure with arch-ground steel Slide-ways (SCM exclusive and patented solution) it can bear loads four times higher.

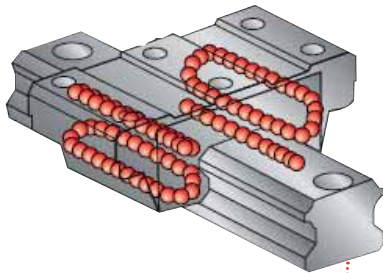
L'invincibile
SiX



FLUIDITY OF MOVEMENT: TELESCOPIC SWINGING ARM.

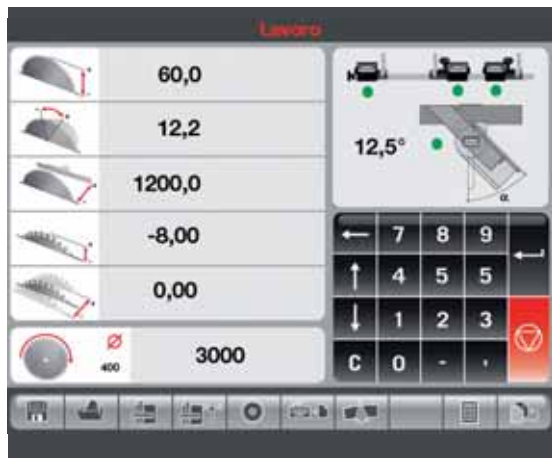
The work piece support frame is the only one to be made of a large dimensioned extrusion and linear guide on recirculating ball bearings. It ensures:

- maximum work piece with fluid movement
- no play and no noise
- dust protection
- no need for maintenance



ALL OPERATING FUNCTIONALITY WITHIN YOUR REACH: NEW EASY TOUCH 7".

The satisfaction of fast and easy-to-use control of all machine functions with the **new 7" touch-screen colour display**. The system guides the operator every step of the way offering suggestions that avoid the operator making any mistakes. Additional calculation functions assist the operator when designing the necessary cuts for assembled components and complex geometrical shapes.



THE INNOVATION AT THE OPERATOR SERVICE: NEW AUTOMATIC POSITIONING SYSTEM OF THE OVERHEAD PROTECTION.

The overhead protection automatically positions itself as a function of the blade using the **exclusive AP system** (solution patented by SCM). This makes the transition from cuts with different angles even faster and safe, without the operator having to change the settings of the machine.



⊕ fast
⊖ setting

Equipment	
Easy Touch 7" electronic control	S
Easy Touch 12" electronic control	O
Mobile control panel	S
AP system for the automatic positioning of the overhead protection according to the blade tilting. SCM Patent	S
Start/stop pushbuttons integrated in the sliding carriage	S
2-axes electronic scoring unit adjustment with pneumatic on-off	S
Inverter for electronic speed change of the main blade	S
Automatic rip fence movement on screw and ball bushing linear guides	S
Pro Lock for the rapid locking of main blade	S
Squaring frame with CompeX device for angular cutting with automatic self-adjustment of the stop position. SCM Patent	S
Arm support for squaring frame with sliding on ball bushing prismatic linear guides	S
LCD readouts for the 3 stops on the squaring fence	O
Full Support & Wireless	O
Eccentric clamp	S
Cast-iron table extension	O
SavEnergy intelligent system for the management of the machines' energy consumption	O

Technical features	SI X
Main blade diameter (mm)	550
Scoring blade diameter (mm)	160
Diameters to be used simultaneously (mm)	550 x 160
Squaring capacity with carriage and extended stop	
- with 3200 mm carriage	3200x3200
- with 3800 mm carriage	3800x3200
Blade tilting (degrees)	-46 +46
Max. cutting height at 90° (mm)	205
Max. cutting height at +45° (mm)	130
Max. cutting height at -45° (mm)	105
Rotating blade speed (rpm)	2350 ÷ 5200
Scoring unit speed (rpm)	6000
Diam. of exhaust outlet at base:	
- at base (mm)	120
- on overhead saw guard (mm)	100
Main blade motor power Hz50 kW	9
Main scoring unit motor power Hz50 kW	0,9
Cutting width on parallel fence (mm)	1500

+ satisfaction to operate - machine accidents

ONE CUT ONLY, THE RIGHT ONE: OPERATOR'S SUPPORT.

The large display suggests to the operator information for the correct use of any cutting configuration. It is possible to create the required work piece with maximum precision and without any calculations or cutting tests even with the most complicated of cases (angular cuts on the table, tilted blade, unknown measurements, etc.).

WHEN TECHNOLOGY REALLY HELPS: WIRELESS.

The electronic control updates in real-time the data for the positions of the three stops, always showing the actual size of the required work piece in any cutting configuration.

USER FRIENDLY AND PRECISE MECHANICAL COMPONENTS: FULL SUPPORT.

It provides maximum support for the panel for any angle due to the exclusive SCM patented solutions consisting of a single centre of rotation for maximum reliability over time. It can support heavy and large dimensioned panels for all angles (from +50° to -50°). The practical "Quick Lock" fence and the extended roller complete the extensive equipment to satisfy all customer's.

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SI X