

*L'invincibile*



## 1952

### A HISTORY OF SUCCESS

Entry into the woodworking machinery sector with the design and manufacture of the new combined woodworking machine with increased machining capability. Immediately industrially manufactured with the L'invincibile brand name becoming very well-known for its quality of construction and competitiveness, features that will bring an immediate and wide acknowledgement, firstly in Europe and then all over the World.

## 2006

### PROUD OF OUR ROOTS L'INVINCIBILE RETURNS!

The historical SCM brand name returns to the market with a new range of classical machines including the most advanced technology with an exclusive and customised product.

SCM



## State Of The Art

L'invincibile sets **new standards for quality** and incorporates all the experience and expertise of the manufacturer of the widest range of woodworking machines in the World.

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# APP Thundercut

Technology at your fingertips

SCM Thundercut is the Optimizer/Sequencer App for mobile devices that allows to optimize the panel surface and guides the operator through the cutting sequence.

**High cut speed execution, less material waste and mistake odds minimized, even for not skilled workers!**

Download it now from the AppStore and Google Play:

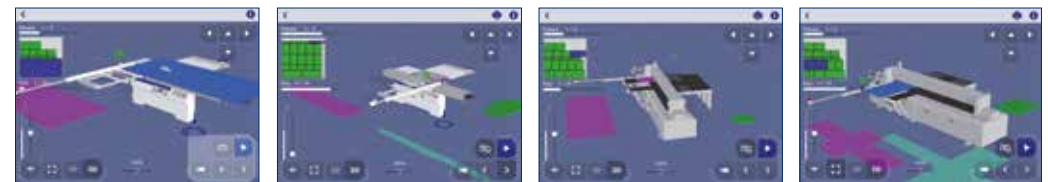
SCM Thundercut



You can manage your circular saws fleet, the material warehouse and many project you are working on.



The 3D sequencer, thanks to its simple and clear design, suggest the ideal settings of the machine for every single cut to be executed.



The App is available for circular saws, circular saws with movable blade unit, saw-shaper combination machines and universal combination machines (you will find the QR code to activate the App in each new machine).



# SCM CLASSICAL MACHINES, QUALITY EVEN MORE GUARANTEED

Since 1952, SCM has been leader in the design and production of woodworking machines.

We are getting closer to reach 70 years of company history by offering to our customers knowledge and advanced technologies that distinguish **L'invincibile, class** and **nova** classical machines. Different ranges united by the strength points: performance, ease-of-use and certified quality. We believe so much in the reliability of our machines to offer to our customers the possibility to have a **warranty extended up to 2 years\***. An extra peace of mind for small artisans workshops and joineries who see SCM as the ideal partner to grow their business.

To activate the 2-year warranty extension, it is compulsory to register on-line the machine on the website:

[scmwood.com/warranty-extension](http://scmwood.com/warranty-extension)

\*Check the models of machines that can take advantage of the initiative on the website:

[scmwood.com/joinery-machines](http://scmwood.com/joinery-machines)



# CIRCULAR SAW

## **OPERATOR'S SUPPORT: ONE CUT ONLY, THE CORRECT ONE.**

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.).

## **WIRELESS: WHEN TECHNOLOGY REALLY HELPS.**

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.

## **FULL SUPPORT: USER FRIENDLY AND PRECISE MECHANICAL COMPONENTS.**

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 requirement. Mobile frame for angular cutting.

- ⊕ satisfaction to operate**
- ⊖ machine accidents**

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*L'Inchihile*

# CIRCULAR SAW



## SLIDING CARRIAGE: MAXIMUM CUT QUALITY GUARANTEED OVER TIME.

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

## "ARC" PROFILE: FOR EXCELLENCE IN MACHINING.

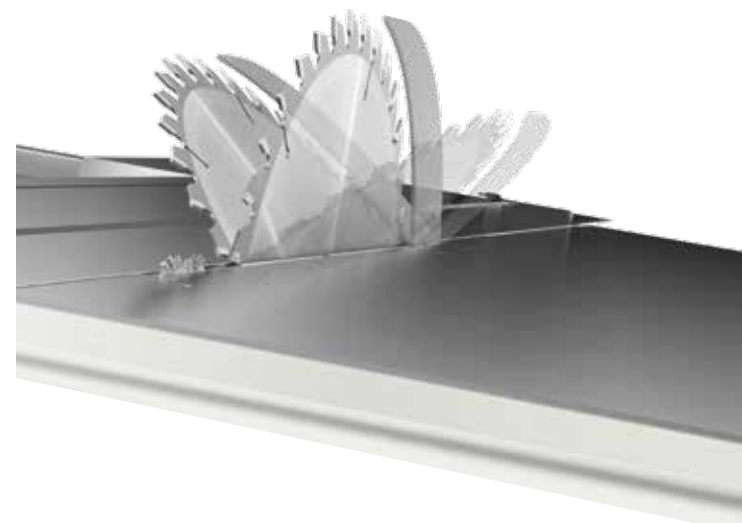
- no play and no need for adjustments over time
- higher loading capacity
- $\pm 0,05$  mm tolerance on the entire carriage length for straight and high quality cutting.

The horizontal positioning of the guides ensures protection from dust therefore improving the sliding of the carriage.

## DOUBLE BLADE TILTING: MAXIMUM HEIGHT CUTTING WITHOUT COMPROMISE.

The SCM solution allows to use a 550 mm saw blade without scoring blade or to use simultaneously a 450 mm saw blade and 160 mm scoring blade, for both  $90^\circ$  and  $\pm 46^\circ$  inclined cuts, providing the best performance on veneered panels and solid wood components.

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## RELIABILITY AND TECHNOLOGY WITHOUT COMPARISON.

10 years of SCM guarantee for the carriage sliding system.

⊕ reliability  
⊖ maintenance

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

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.

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### TELESCOPIC SWINGING ARM: FLUIDITY OF MOVEMENT.

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

### EASY TOUCH: THE ADVANTAGE FROM DAY ONE THAT GUIDES YOU EVERYWHERE.

The satisfaction of fast and easy-to-use control of all machine functions with the 7" or 12" flat 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.



easy touch 12"



easy touch 7"

⊕ precision  
⊖ calculations

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**EASE-OF-USE WITH THE BLADES-HOLDER DRAWER INTEGRATED IN THE MACHINE'S FRAME.**

It is made of 4 shelves, customizable with labels, for the easy replacement of the blades.



**"LED INDICATING SCORING UNIT IN OPERATION" DEVICE: SAFETY AS THE FIRST FACTOR.**

When the scoring blade is working, the high efficiency LEDs clearly indicate the danger area, making the machine safer than ever.

- ⊕ practicality
- ⊖ inconveniences

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**ADJUSTABLE TABLET HOLDER POSITIONED ON THE MOBILE CONTROL PANEL: ERGONOMIC.**

Compatible with tablets from 7" to 13".  
It is equipped with USB port for power supply positioned on the mobile control panel.



**TABLET HOLDER ON THE SLIDING CARRIAGE: EASY-TO-USE.**

Compatible with tablets from 8" to 11".

⊕ quality  
⊖ waste of time

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	SI X	SI 5	SI 3	
<b>Equipment</b>				
"Easy Touch" 12" electronic control	S	0	0	
"Easy Touch" 7" electronic control	-	S	S	
"SCM Thundercut" Optimizer/Sequencer App	S	S	S	
Mobile control panel	S	S	S	
Electronic adjustment for scoring unit	0*	S	S	
Automatic rip fence with movement on screw and ball bushing linear guide	S	S	S	
Start/stop pushbuttons integrated in the carriage	S	S	S	
"Compex" device	-	S	S	
Squaring fence with LCD readouts for the stops	S	0	0	
"Full support/Wireless"	S	0	0	
Main blade quick locking	S	0	0	
"LED indicating scoring unit in operation" device	0	0	0	
"Dado" function	-	0	0	
Inverter for electronic speed change of the main blade	S	0	0	
Adjustable tablet holder positioned on the mobile control panel	0	0	0	
Tablet holder on the sliding carriage	0	0	0	
Blades-holder drawer integrated in the machine's frame	0	0	-	
"SavEnergy" intelligent system for the management of the machine's energy consumption	0	0	0	
<b>Technical data</b>				
Squaring capacity with 3200 carriage	mm	3200x3200	3200x3200	3200x3200
Cutting width on rip fence	mm	1500	1500	1500
Maximum cutting height at 90°	mm	200	200	140
Maximum cutting height at 45°	mm	130	130	97
Maximum cutting height at - 45°	mm	105	-	-
Main blade motor power	kW	9	7	7
Scoring blade motor power	kW	1,3	1,3	1,3

\* Scoring unit available as option

**S** Standard  
**0** Option



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