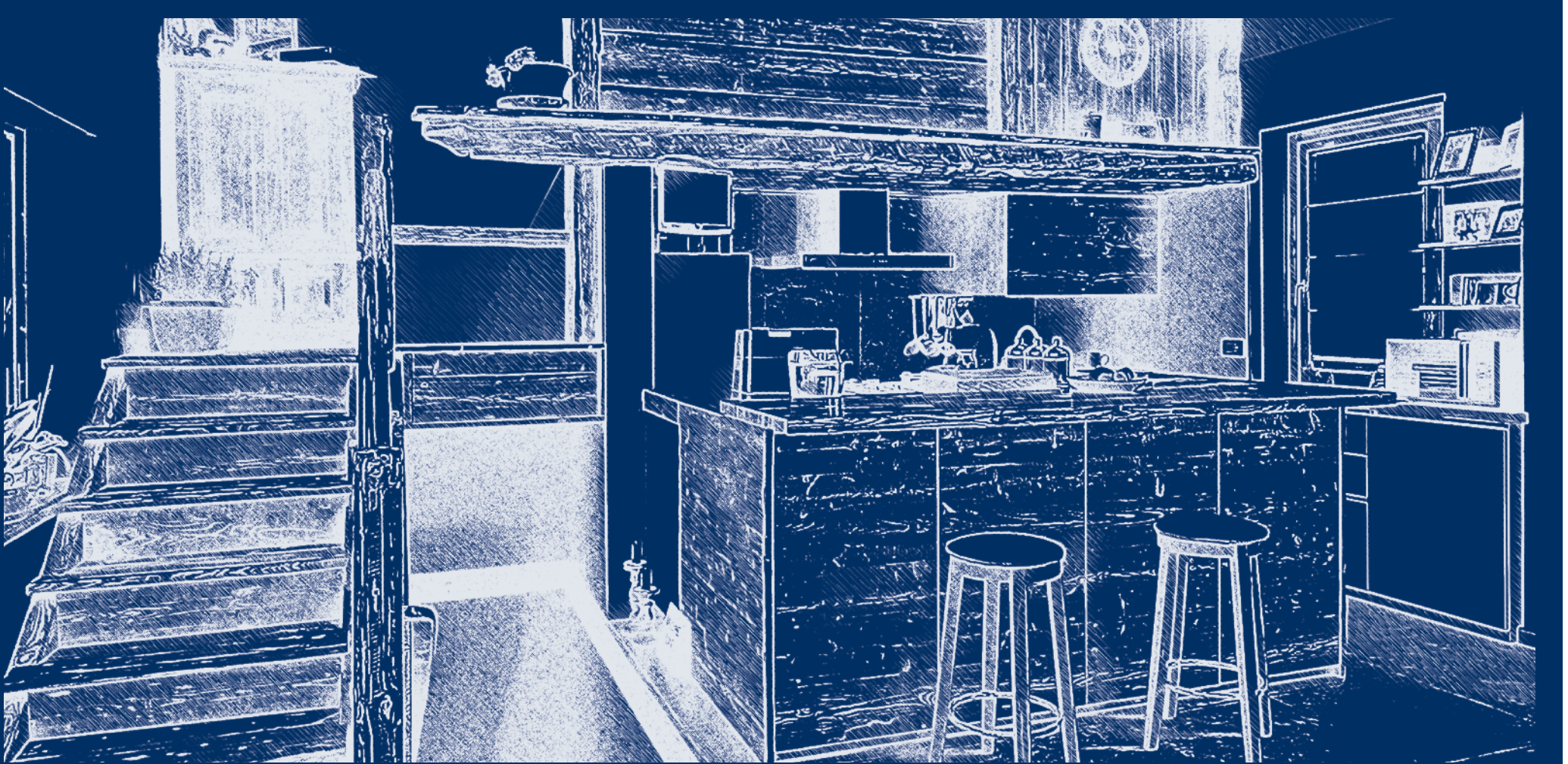


minimax si x *and* minimax si 4

circular saws



All “Made in SCM Italy”

From casting iron to finished product.

Come see our production plants and touch the quality of SCM machines;
you will be our guest.



minimax

the passion that deserves professional products.

minimax is the line of professional machines for woodworkers, a point of reference for over 40 years worldwide.

SCM's objective is to guarantee customers high quality technologies which meet their requirements in such a way as to make SCM the partner for any needs.

minimax si x and minimax si 4

The first step for optimising your abilities.

circular saw with
double tilting blade

minimax si x
page 6



circular saw with
tilting blade

minimax si 4
page 7





App Thundercut

Technology at your fingertips

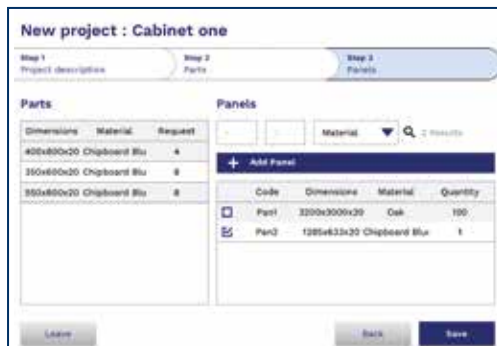
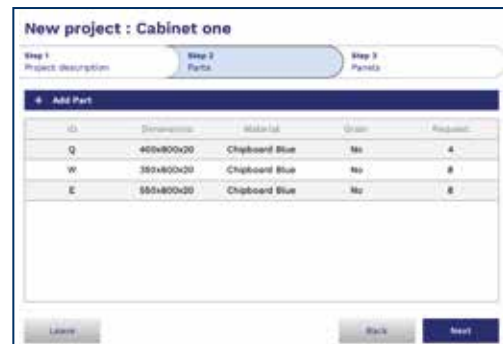
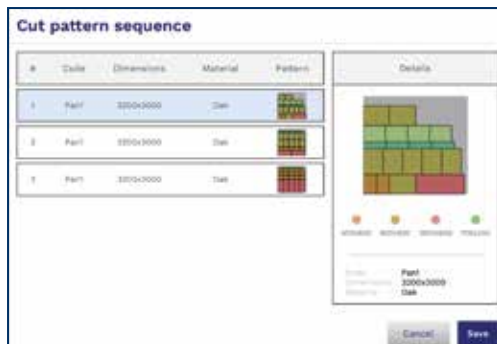
SCM Thundercut is the Optimizer/Sequencer App for mobile devices, that allows to optimize the panel surface and guides the operator through the cutting sequence.

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

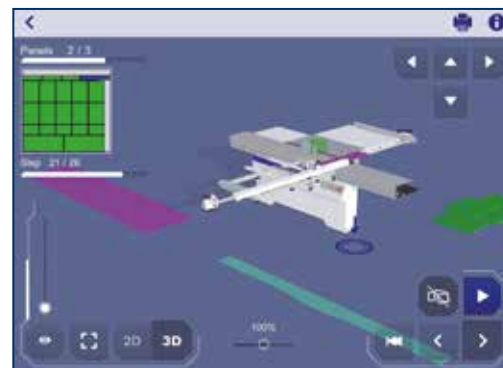
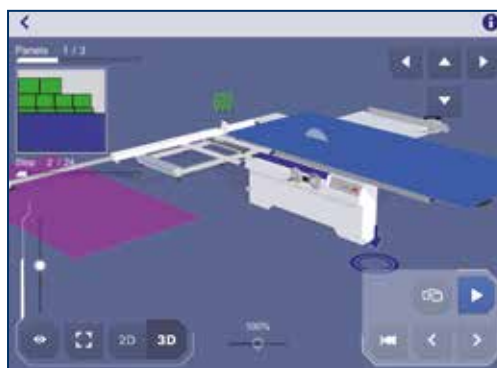
Download it now from the AppStore and Google Play:



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).



circular saw with double tilting blade minimax si x



±46° double tilting blade.

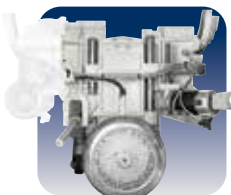
		minimax si x	minimax si 4
Max. saw blade diameter with scoring blade (option) installed	mm	400	315 ÷ 400
Max. saw blade projection from worktable at 90°/+46°/-46°	mm	136/97/60	136/97/-
Squaring capacity	mm	2250 ÷ 3800	2250 ÷ 3800
Cutting width on rip fence	mm	1270	900 ÷ 1270
Three-phase motors power starting from	kW/Hz	7 (8) / 50 (60)	5 (6) / 50 (60)
<i>Find the complete technical specification at page 16</i>			



circular saw with tilting blade minimax si 4



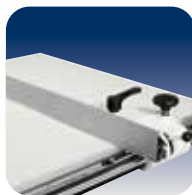
Version with Blade kit 400 mm.



Saw Unit
stiff structure



Sliding Carriage
unrivalled
cutting finishing



Rip Fence
smoothness and
rapidity



**SCM
Thundercut**
Optimizer/
Sequencer App

Professional circular saws for
uncompromising quality.

circular saws saw blade units

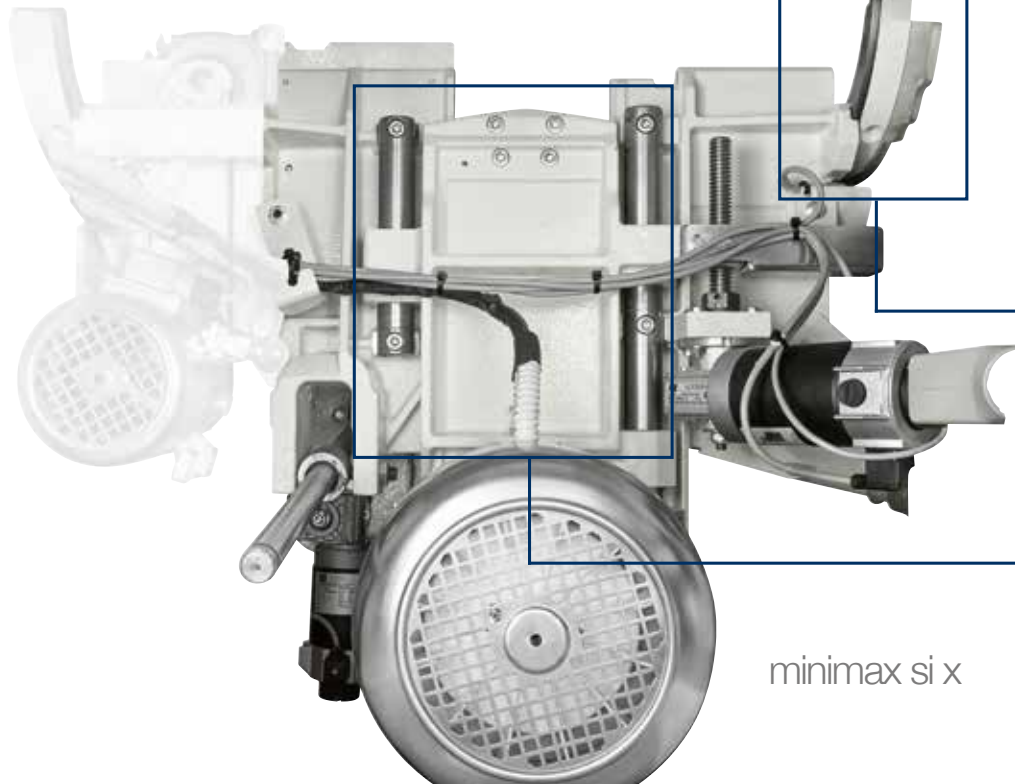
stiff structure

Saw blade units

Saw blade units with a stiff cast-iron structure which can accommodate a blade of 400 mm diameter with scoring blade (option) installed.



double tilting at
everybody's reach

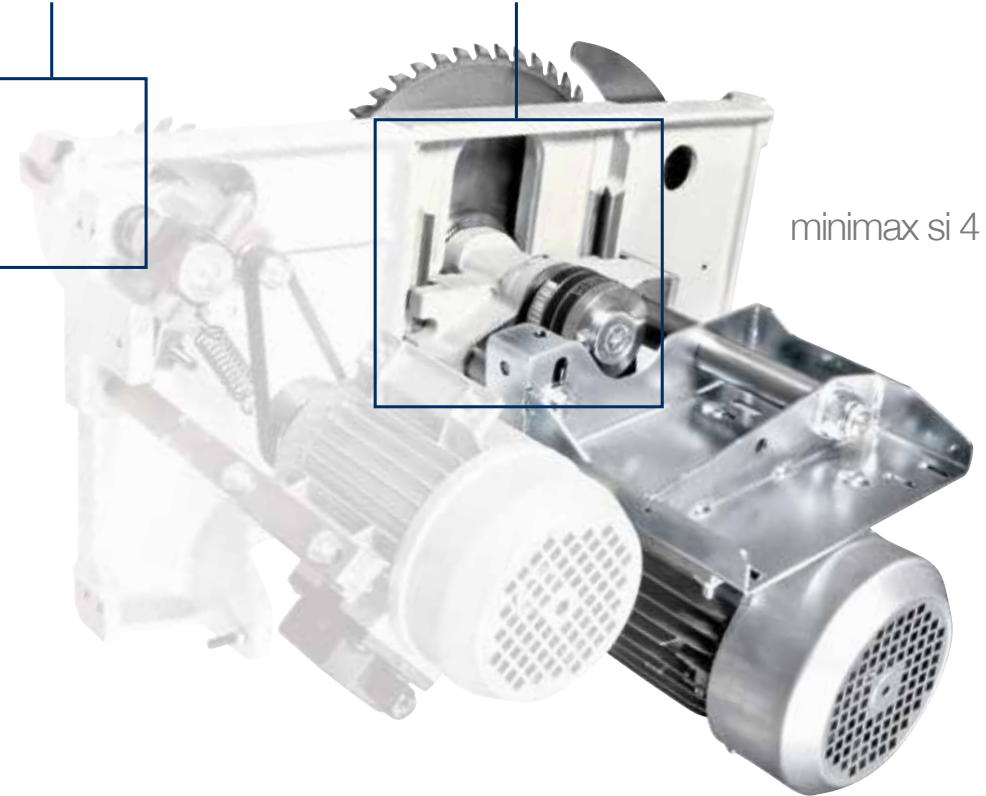


minimax si x

The rotation fulcrums of the saw blade unit have a 120 mm diameter and stand on steady crescent shaped rests that separate it from the base: a rigid reliable solution.



For *minimax si 4*, the lifting of the blades unit is done by a robust cast iron structure with dovetail system.



minimax si 4

The $\pm 46^\circ$ tilting of the unit is done by 2 wide semi-circular fences.

For *minimax si x* the lifting of the blades unit is done by 2 ground cylindric bars.

circular saws optional scoring blade unit

Optional scoring blade unit

The unit can be equipped, on request, with a scoring blade for a perfect cut even on veneered panels.



Independent powered scoring blade unit

With external set-up.

Features (*minimax si x*):

- blade diameter: 160 mm
- blade rotating speed: 6.000 rpm
- motor power: 0,9 kW (1,2 hp) 50 Hz - 1 kW (1,3 hp) 60 Hz

Features (*minimax si 4*):

- blade diameter: 120 mm
- blade rotating speed: 9.200 rpm
- motor power: 0,65 kW (0,9 hp) 50 Hz - 0,75 kW (1 hp) 60 Hz

It is also available in the version with belt transmission system from the main motor.



Expandable scoring blade

Manually expandable with variable thickness:

- from 2,5 to 3,5 and from 3,5 to 4,5 mm;
blade diameter: 160 mm (*minimax si x*)
- from 2,8 to 3,6 mm; blade diameter: 120 mm (*minimax si 4*)



The scoring blade is adjustable from the outside without tools and allows fast and accurate positioning with no play.

circular saws operating groups

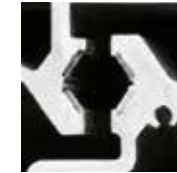


unrivalled cutting finishing

Sliding carriage

Optimal support also for larger work-pieces, with the **sliding carriage, 360 mm width**.

The **carriage locking in any position** makes the machine even more ergonomic and easy to use.



High accuracy and smoothness: to secure the fences it is not used glue, since the thickness could affect sliding. They are secured with a **procedure of aluminum riveting**.

reliability and technology without comparison

10 years of SCM guarantee for the carriage sliding system.



immediate control

Squaring frame and fence

Panel loading is easy on the large squaring frame with an idle roller at the end.

The telescopic squaring fence with the inclined metric scale and two reversible stops can be used to square panels measuring 3200x3800 mm and for tilted cuts at up to 45° on both sides of the frame.

smoothness and
rapidity

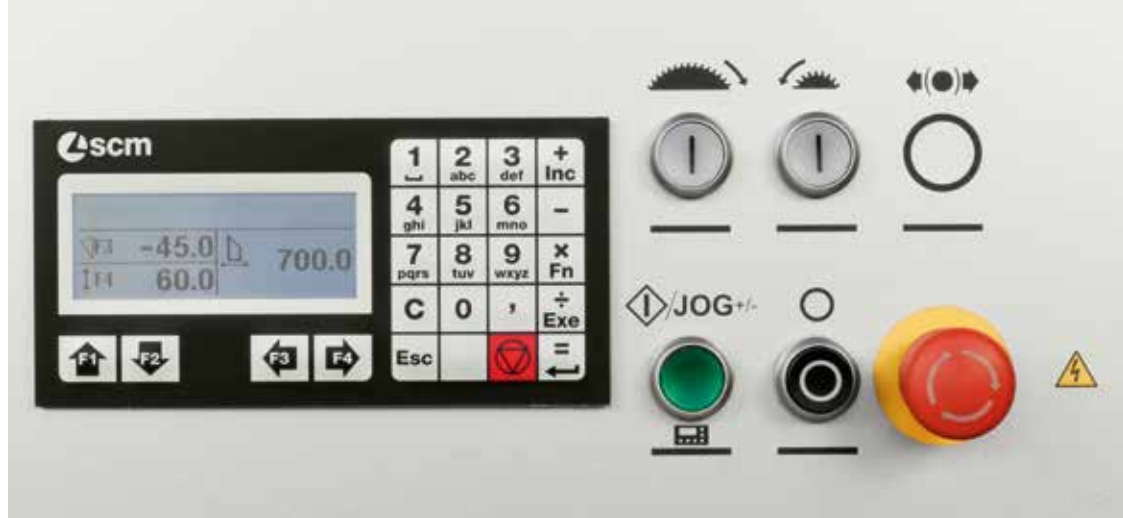
Rip fence

Sliding of the rip fence support on round bar with micrometric adjustment. The support can be also equipped with digital readout for fence position with detecting system on magnetic band (option). The fence can be easily excluded from the working area when it isn't used.



circular saws optional electronic controls

The **"READY"** control system manages the powered and programmed movement of the saw blade unit increasing productivity and working quality.
(standard for minimax si x)



"READY 3" / "READY 3 UP"
Automatic positioning of the rip fence from "READY 3" (3 axes) control system. Programmed or manual fence movement with a hold-down drive for the maximum versatility. In addition, the **"READY 3 UP" version** is fitted with mobile control panel.

"E2": powered movement of the machining units with digital readouts
For maximum comfort and accuracy and comfort.
Also available in **"E1" kit version** with powered lifting only.



Control push-buttons integrated in the sliding carriage

The possibility to start or stop the blades motors from the push-buttons located at the ends of the carriage **considerably helps when machining large dimensioned panels.**



circular saws main optional devices

**Squaring frame with
"Quick Lock" fence**
Minimum set-up time with
the **SCM system that allows
rapid fence positioning.**
The stronger frame support
maximise performance.



"Nova" squaring frame

Dimensions: 1500x680 mm.

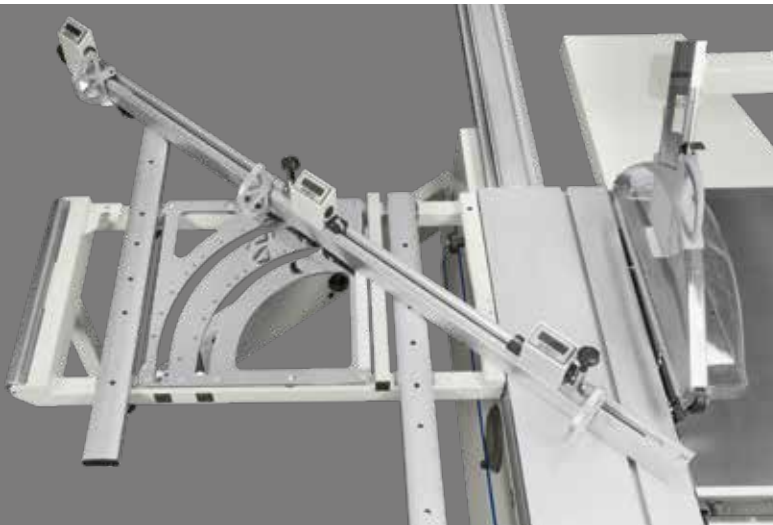
Fitted with:

- telescopic fence with metric rule tilted towards the operator and 2 flip-over stops with magnifying lens to facilitate the data readout
- "Nova" telescopic swinging arm support
- idle roller to facilitate the panel loading/unloading

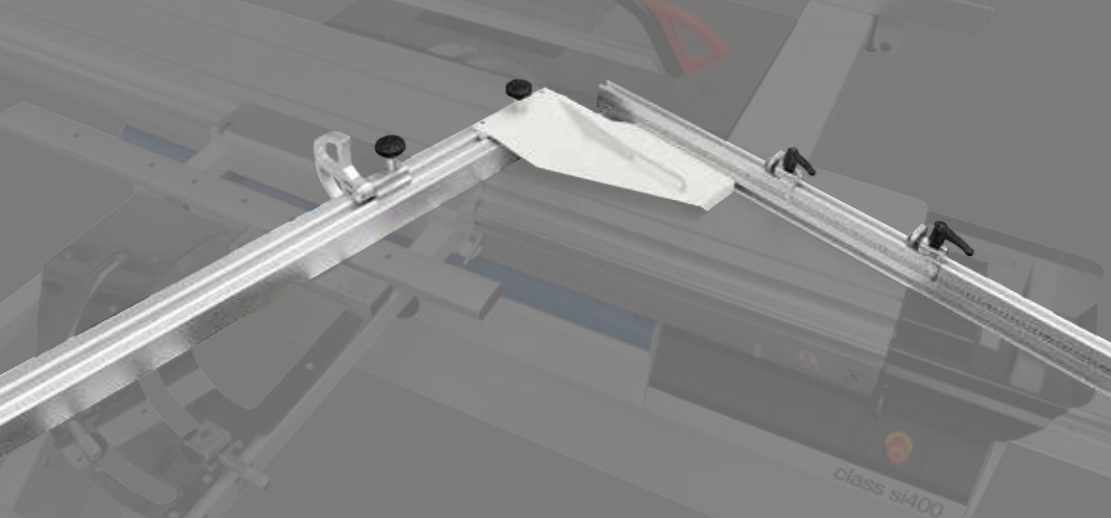


Squaring frame with "CompeX" device

With automatic self-adjustment of stops position in relation to the blade and rule tilting angle. Moreover, thanks to the dedicated frame structure, it is possible to carry out **tilted cuts keeping the squaring frame comfortably within the operator's reach**, both in acute cuts and in obtuse ones, without renouncing to a valid support of the work-piece.



**Digital readouts
on the squaring stops**
The stops can be
easily read even
from distance.



Fence for complementary cuttings

Device to be applied directly on the squaring rule that allows to quickly carry out cuts with angles complementary to the rule one.

Fence for parallel cuttings on the sliding carriage

The exclusive referencing system for the first trim cut allows the setting of trim quantity to be cut for every side **without any test cuts**.

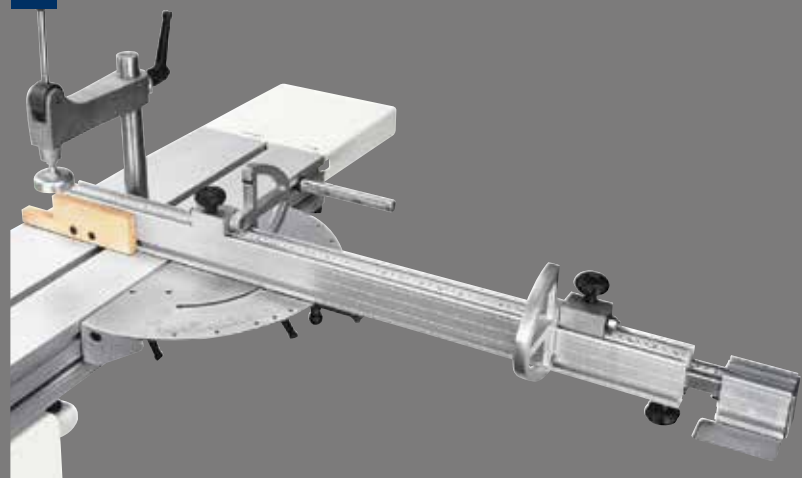


Angular cutting devices

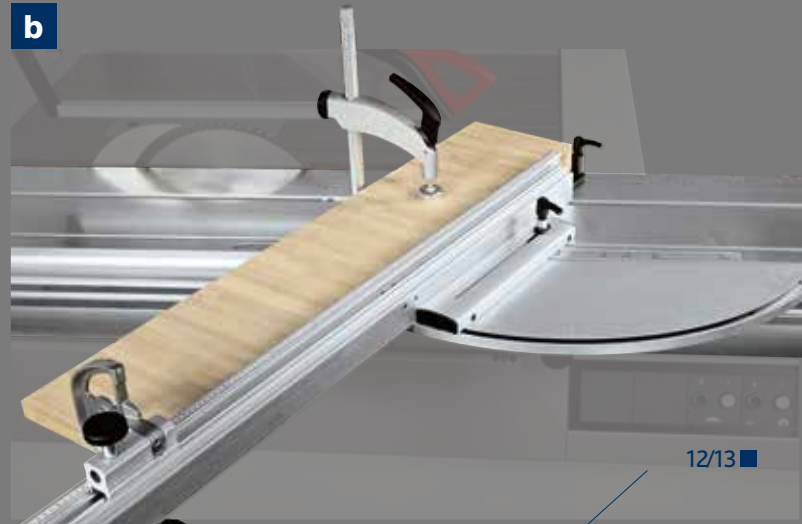
Available for the following versions

- a) traditional
- b) with automatic self-adjustment of the stops position in relation to the blade

a



b



circular saws main optional devices



Inverter for motor control with single-phase electrical networks
Innovative power supply: it operates on a single-phase electrical network but it guarantees performance as three-phase power supplies.
Superior motor power: 4kW on single-phase electrical networks.
Energy efficiency: 15% energy savings compared to a traditional single-phase motor (on mixed use cycle).
Advanced braking system: safe and reliable brake without the need for the system adjustment or maintenance.
"Soft" motor start: it reduces the belts wear and it prevents electrical overloads, providing great durability of mechanical parts.

Tablet holder on the sliding carriage
Compatible with tablets from 8" to 11".

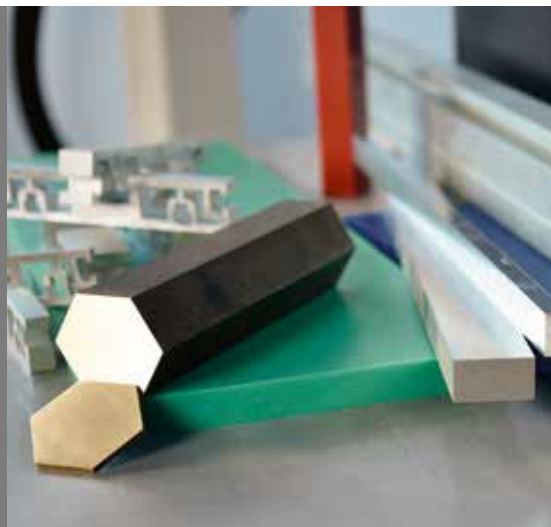


Adjustable tablet holder positioned on the mobile control panel
Compatible with tablets from 7" to 13".
It is equipped with USB port for power supply positioned on the mobile control panel.



Advanced materials machining
PVC and other plastic materials.
Nylon, polycarbonate and other synthetic materials.
Corian and other composite materials.
Aluminium, brass and other light metals.

The **device for the blade micro-lubrication** is compulsory for the machining of light alloys.



Arrangement for "DADO" machining
Possibility of using a tool (not included) to replace the main blade, with 203 mm maximum diameter and 20 mm maximum thickness.



"Nova" dedicated saw rip fence

Fitted with:

- "high rigidity" cast-iron support; dimensions: 540x190 mm
- aluminum anodized-extruded fence; dimensions: 90x56 mm
- micrometric adjustment and cam-locking system
- rectified steel round sliding bar; diameter: 45 mm



Digital readout for data view on rip fence position
It is fitted with digital display and magnetic band.



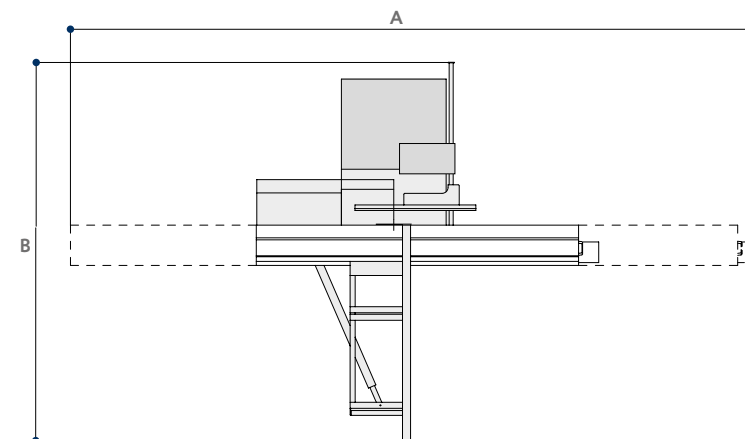
Additional table on the sliding carriage
For the support of large dimensioned panels.



Extension with roller conveyor on rip fence side,
for the support of large panels,
and tools-holder to have the
tools always within reach.

circular saws technical data

S Standard
O Option



OVERALL DIMENSIONS		minimax si x	minimax si 4	minimax si 4 version with Blade kit 400 mm
A with 2250 carriage	mm	5250	5250	5250
A with 2600 carriage	mm	5970	5970	5970
A with 3200 carriage	mm	7170	7170	7170
A with 3800 carriage	mm	8390	8390	8390
B with cutting width on 900 mm rip fence	mm	-	4520	4520
B with cutting width on 1270 mm rip fence	mm	4880	4880	4880

TECHNICAL DATA		minimax si x	minimax si 4	minimax si 4 version with Blade kit 400 mm
Cast-iron saw-worktable dimensions	mm	1000 x 685	940 x 560	1000 x 560
Saw blades tilting		-46° ÷ +46°	90° ÷ 46°	90° ÷ 46°
Max. saw blade diameter with scoring blade (option) installed	mm	400	315	400
Max. saw blade projection from worktable at 90°/+46°/-46°	mm	136/97/60	100/71/-	136/97/-
Saw blade rotating speed	rpm	4000	4000	4000
Squaring capacity	mm	2250 ÷ 3800	2250 ÷ 3800	2250 ÷ 3800
Cutting width on rip fence	mm	1270	900 ÷ 1270	900 ÷ 1270
other technical features				
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		-	S	S
Three-phase motors 7 kW (9,5 hp) 50 Hz - 8 kW (11 hp) 60 Hz		S	O	O
Exhaust hoods diameter				
- at the base	mm	120	120	120
- on overhead protection	mm	80	80	80
- on riving knife	mm	-	60	60

MAIN OPTIONAL DEVICES	minimax si x	minimax si 4	minimax si 4 version with Blade kit 400 mm
Independent powered scoring blade unit	O	O	O
Scoring blade unit with belt transmission system from the main motor	-	O	O
Expandable scoring blade	O	O	O
Blade kit 400 mm	S	O	S
"E2" kit: Saw blade unit electric lifting and tilting	-	O	O
"E1" kit: Saw blade unit electric lifting	-	O	O
"READY 3" version	O	-	O
"READY 3 UP" version	O	-	O
Control push-buttons integrated in the sliding carriage	O	O	O
Work-piece middle support crossbar on the squaring frame	O	O	O
Squaring frame with "CompeX" device	O	O	O
Squaring fence with digital readouts for stops position	O	O	O
Pre-set angular cutting device placed directly on the squaring frame	O	O	O
"Nova" squaring frame	O	O	O
Fence for complementary cuttings	O	O	O
Squaring frame with "Quick Lock" fence	O	O	O
Angular cutting device with flip-over stops	O	O	O
Angular cutting device with self-adjustment	O	O	O
Fence for parallel cuttings on the sliding carriage	O	O	O
Additional table on the sliding carriage	O	O	O
"Nova" dedicated saw rip fence	O	O	O
Digital readout for data view on rip fence position	O	O	O
"READY 1" (1-axis) version: Powered rip fence control	-	O	O
Panels support extension with roller conveyor on rip fence side	O	O	O
"SCM Thundercut" Optimizer/Sequencer App for tablet	S	S	S
Tablet holder on the sliding carriage	O	O	O
Adjustable tablet holder positioned on the mobile control panel	O	-	O
Arrangement for "DADO" machining	O	-	O
Machine configuration for advanced materials machining	-	O	O
Device for the blade micro-lubrication for the machining of plastic materials and light alloys of aluminium and brass	-	O	O
N.2 saw blade rotating speeds: 3500/5000 rpm	O	-	O
Inverter for motor control with single-phase electrical networks	O	O	O
Overhead sawblades protection	S	O	S*

* Standard for CE and USA/Canada versions; Option for NO CE version



SERVICE AND MAINTENANCE



TRAINING SERVICE



SPARE PARTS



DIGITAL SERVICES

scm | service

**WE'LL GO THE
EXTRA MILE
FOR YOU**

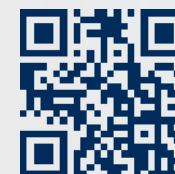
CONTACT

SCM SERVICE

Via Emilia 77 - 47921 Rimini - Italy
tel. +39 0541 700100
scmservice@scmgroup.com
www.scmwood.com

SCM SPAREPARTS

Via Emilia, 61 - 47921 - Rimini - Italy
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My Scm

SCM OFFERS A FULL RANGE OF **HIGHLY SPECIALISED SERVICES** WITH A QUALITY AND RELIABILITY THAT STEM FROM 70 YEARS OF EXPERIENCE IN THE INDUSTRY.

From installation and production start-up to services and maintenance.
From training to the supply of specific original spare parts: **we provide solutions designed around you!**



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- Remote support
- Scheduled maintenance contracts
- Warranty extension



TRAINING SERVICE

- Courses for machine operators
- Software and programming courses
- Training in production start-up



SPARE PARTS

- Recommended spare parts list
- E-shop
- Interactive spare-parts catalogues
- Repairs on electronic parts, glue tanks and electro-spindles



DIGITAL SERVICES

- Maestro Connect - IoT platform to be constantly connected with your machines
- Smartech - assistance with augmented reality
- My Scm portal - opening of service ticket and single point of access to the apps and Services tools

SOLUTIONS AND SERVICES ALWAYS CONNECTED FOR YOU



SCM, A STRATEGIC PARTNER, BY YOUR SIDE AT EACH STAGE OF YOUR BUSINESS PROCESS

SCM has always stood alongside companies in the woodworking sector, with **technological solutions and services which are constantly connected to maximise the machine's efficiency, improve product quality and reduce operating costs.**

70+ years history

3 main production sites in Italy

300.000 square metres of production space

20.000 machines manufactured per year

90% export

20+ foreign branches

400 agents and dealers

500 support technicians

500 registered patents

SCM GROUP, THE MOST ADVANCED SKILLS AND KNOW-HOW IN THE FIELDS OF MACHINERY AND INDUSTRIAL COMPONENTS OVER THE LAST 70 YEARS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.



Woodworking technology



Composite, aluminium, plastic, glass, stone, metal technology



Technologies for the profiles processing of aluminium, PVC and light alloy



Automated systems for industry

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and for the mechanical industry.



Electrospindles and technological components



Electrical panels



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Company of the Scm Group

registered office:

via Emilia, 77
47921 Rimini, Italia
T. +39 0541 700111
F. +39 0541 700232

sales office:

via Casale, 450
47826 Villa Verucchio, Rimini, Italia
T. +39 0541 674111
F. +39 0541 674274
scm@scmgroup.com
www.scmwood.com

Scm Industria Spa

Professional Workshop Machinery

via Valdicella, 7
47892 Gualdicciolo,
Repubblica di San Marino
scm@scmgroup.com

sales dept. Italy:

T. +378 0549 876911
F. +378 0549 999604

foreign sales dept.:

T. +39 0541 674111
F. +39 0541 674274
www.scmwood.com

The motors powers in this catalogue are expressed in S6, except where otherwise specified. In this catalogue, machines are shown in CE configuration and with options. We reserve the right to modify technical specifications without prior notice, provided that such modifications do not affect safety as per CE norms.

rev.00
05/2025

Mic Studio





SCM GROUP SPA

via Casale 450 - 47826 Villa Verucchio, Rimini - Italy
tel. +39 0541 674111 - fax +39 0541 674274
scm@scmgroup.com
www.scmwood.com



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