



REV. N. 04 - 09.2025 - 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



00L0592668E



woodworking technology

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 elite s

Maximum expression of professional performances and technology.

combined machines

cu 410es
page 6



st 5es
page 7



planers

fs 52es
page 8



f 52es
page 9



s 52es
page 9



fs 41es
page 10



f 41es
page 11



s 41es
page 11



spindle moulders

tw 55es
page 12



t 55es
page 13





App Thundercut

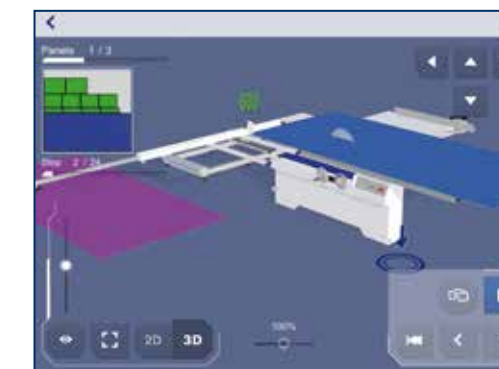
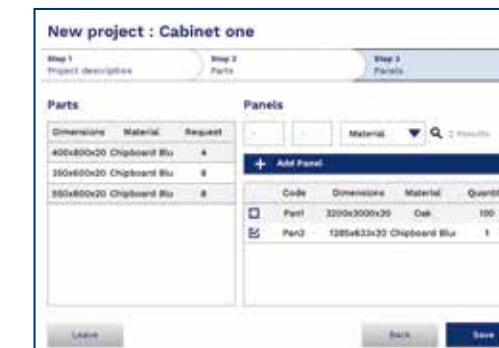
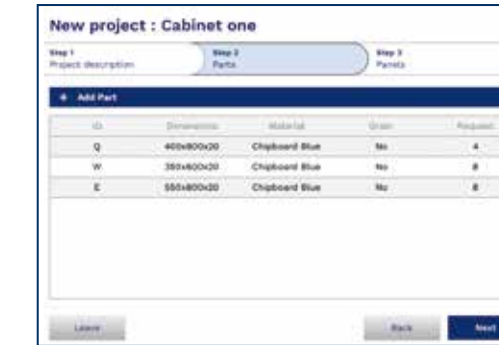
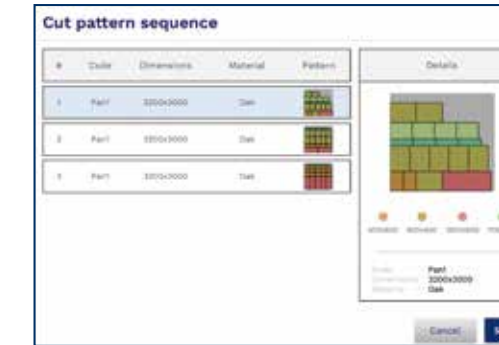
Technology at your fingertips

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).

combined machines

elite s

cu 410es

st 5es

universal combined machine

saw-spindle moulder



		cu 410es	st 5es
Planer useful working width	mm	410	-
Total length of surfacing tables	mm	2200	-
Max. saw blade diameter with scoring blade installed	mm	350	350
Squaring stroke	mm	2250 ÷ 3200	2250 ÷ 3200
Max. spindle length	mm	125	125
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 18			



Technology and professional performances
in the woodworking combined machines,
for an unmatched working precision.

elite s
planers
fs 52es surfacing-thicknessing planer
f 52es surfacing planer
s 52es thicknessing planer



		fs 52es	f 52es	s 52es
Planer useful working width	mm	520	520	520
Cutter block diameter (mm)/no. of standard knives	mm/n.	120 / 4	120 / 4	120 / 4
Total length of surfacing tables	mm	2250	2250	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 240	-	3 ÷ 240
Three-phase motors starting from	kW/Hz	7 (8) / 50 (60)	5 (6) / 50 (60)	7 (8) / 50 (60)
Find the complete technical specification at page 18				



Planer Cutter Block
perfect finishing



Thicknessing Table
stability over time



Surfacing Tables
fast set-up



Xylent
absolute silence



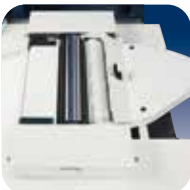
Planing Fence
absolute rigidity

Professional planers at an accessible price, for woodworking shops and demanding craftsmen that require high standard and no compromises.

elite s
planers
fs 41es surfacing-thicknessing planer
f 41es surfacing planer
s 41es thicknessing planer



		fs 41es	f 41es	s 41es
Planer useful working width	mm	410	410	410
Cutter block diameter (mm)/no. of standard knives	mm/n.	95 / 4	95 / 4	95 / 4
Total length of surfacing tables	mm	2200	2200	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 240	-	3 ÷ 240
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 18				



Planer Cutter Block
perfect finishing



Thicknessing Table
stability over time



Surfacing Tables
fast set-up



Xylent
absolute silence



Planing Fence
absolute rigidity

Professional planers at an accessible price, for woodworking shops and demanding craftsmen that require high standard and no compromises.

elite s
spindle moulders
tw 55es with fixed or tilting spindle
t 55es with fixed spindle



		tw 55es	t 55es
Max. useful spindle length	mm	125	125
Max. tool diameter when profiling	mm	210 ÷ 240	210 ÷ 240
Max. tool diameter lowered under the table at 90°	mm	240	240
Max. tool diameter when tenoning	mm	320 (300 no CE)	-
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 18



Spindle Moulder
unsurpassed
moulding



Moulder Fence
high-tech devices



Sliding Carriage
unrivalled cutting
finishing

The professional spindle moulders that allow for customization and flexibility, for woodworking shops and demanding craftsmen.

elite s machining units



unique worldwide

Saw Unit

The cast iron saw unit **with a rigid closed loop structure** can accommodate a **blade of 350 mm diameter with the scoring blade mounted (unique in the world in its category!)** ensuring perfect and easy cutting of veneer panels and thick solid wood material. The saw blade uses 100% of the motor power, thanks to the **scoring blade with an independent motor as standard.**

The lifting of the blade unit is done by a robust cast iron structure with dovetail system.

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

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



high-tech devices Controls on Carriage.

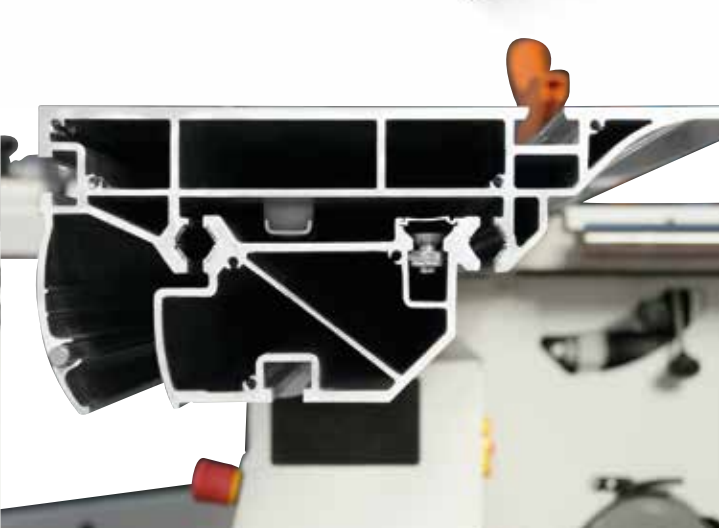
Wide range of high-tech devices to make your *elite s* even more powerful and personalized, like the **start/stop pushbuttons for the main blade and scoring blade integrated in the sliding carriage**; very useful when machining large dimensioned work pieces that prevent an easy and safe access to the main machine control panel.

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 3200x3200 mm and for tilted cuts at up to 45° on both sides of the frame.

unrivalled cutting finishing Sliding Carriage.

Optimal support also to larger pieces, with the **sliding carriage 360 mm wide**. Exceptional precision and smoothness: to secure the guides it is not used glue, since the thickness could affect sliding. They are secured with a procedure of aluminum riveting.



elite s machining units

absolute rigidity
Planing Fence.
High rigid fence with a smooth
movement thanks to the **central
locking on round bar.**



The spindle is surrounded by a cast
iron "cup" to **protect the internal
mechanical components** from
shavings and sawdust.



unsurpassed moulding
Spindle Moulder.
Maximum stability and rigidity in all working
conditions, thanks to a large spindle moulder
column made entirely of cast iron.
The 4 standard speed are ideal for any type
of machining, from moulding to routing and
tenoning, with the possibility to fit tools up
to 320 mm of diameter (300 mm no CE).



stability over time
Tables Lifting.
Comfortable and precise planing. The *elite s* range adopt
ergonomic solutions like the **2200 mm surfacing tables**,
in ribbed cast iron, **with simultaneous opening** towards
the inside of the machine with a 90° angle. For a maximum
long lasting stability the cast iron thickening table lifts
on **4 spindles with trapezoidal threads dust protected.**



perfect finishing
Planer Cutter Block.

An optimal planing with minimal effort, thanks to the 95 mm
diameter cutter block (120 mm in planers of 520 mm working width)
and 4 knives. For an impeccable finish the pressure of the thickener
feed rollers can be adjusted according to the type of wood machined.
The roller infeed (A) has a **helicoidal profile** to guarantee firm and constant
work piece feed, while the outfeed roller (B) in sandblasted steel maintains
the perfect post-processing finishing.



A

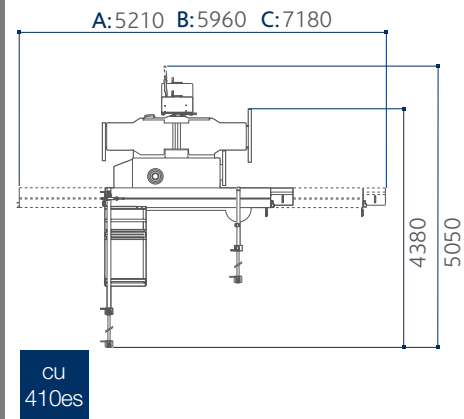
B

high-tech devices
Moulder Fence.

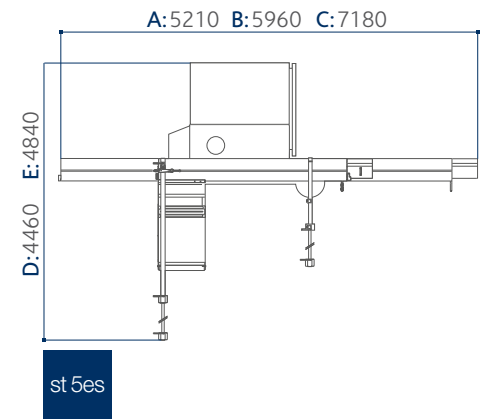
The spindle moulder hood uses a system for adjusting the guides with a rack and
it is fitted with a mechanical digital readout. Thanks to the **system of memories**
(on *t 55es* and *tw 55es* available as option) the hood can be removed and repositioned
without losing the machining position. The maximum tool diameter mounted on the
spindle lowered under the table at 90° is 240 mm. On request it is available with
a spindle that tilts 45° (towards the inside of the machine).



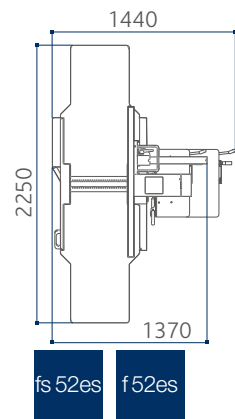
elite s
dimensions
and
technical
data



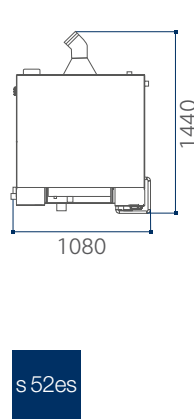
cu
410es



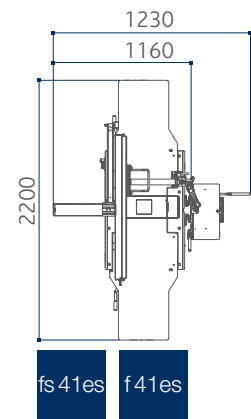
st 5es



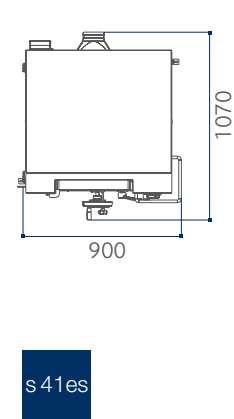
fs 52es f 52es



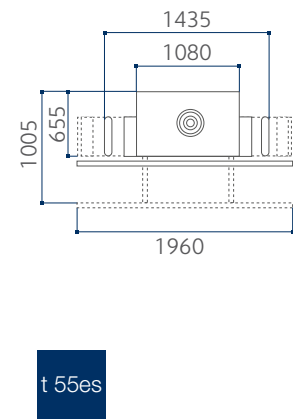
s 52es



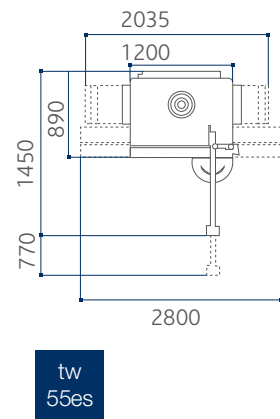
fs 41es f 41es



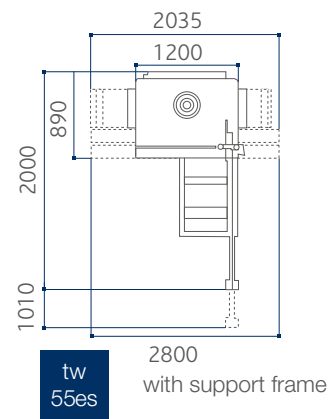
s 41es



t 55es



tw
55es



tw
55es 2800
with support frame

- A with 2250 mm carriage
B with 2600 mm carriage
C with 3200 mm carriage
D with 900 mm cutting width *
E with 1270 mm cutting width *
*at the parallel fence

		cu 410es	st 5es	fs 52es	f 52es	s 52es	fs 41es	f 41es	s 41es	tw 55es	t 55es
planer											
Working width	mm	410	-	520	520	520	410	410	410	-	-
Cutter block diameter (mm)/no. of standard knives	mm/n.	95 / 4	-	120 / 4	120 / 4	120 / 4	95 / 4	95 / 4	95 / 4	-	-
Dimensions of standard knives	mm	410 x 30 x 3	-	520 x 30 x 3	520 x 30 x 3	520 x 30 x 3	410 x 30 x 3	410 x 30 x 3	410 x 30 x 3	-	-
Max. stock removal	mm	5	-	5	5	5	5	5	5	-	-
Surfacing tables total lenght	mm	2200	-	2250	2250	-	2200	2200	-	-	-
Thicknessing tables dimensions	mm	410 x 775	-	520 x 850	-	520 x 850	410 x 775	-	410 x 775	-	-
Feed speed on thicknesser	m/min	6 / 12	-	5 / 8 / 12 / 18	-	5 / 8 / 12 / 18	6 / 12	-	6 / 12	-	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 240	-	3 ÷ 240	-	3 ÷ 240	3 ÷ 240	-	3 ÷ 240	-	-
circular saw											
Cast iron saw-spindle moulder worktable dimensions	mm	1380 x 465	1380 x 465	-	-	-	-	-	-	-	-
Saw blade tilting		90° ÷ 45°	90° ÷ 45°	-	-	-	-	-	-	-	-
Max. saw blade diameter with scoring blade installed	mm	350	350	-	-	-	-	-	-	-	-
Max. saw blade projection from table at 90°/45°	mm	118 / 84	118 / 84	-	-	-	-	-	-	-	-
Squaring stroke	mm	2250 ÷ 3200	2250 ÷ 3200	-	-	-	-	-	-	-	-
Cutting width on parallel fence	mm	1000	900 ÷ 1270	-	-	-	-	-	-	-	-
spindle moulder											
Max. useful spindle lenght	mm	125	125	-	-	-	-	-	-	125	125
Spindle moulder speeds (at 50 Hz)	rpm	3500/6000/8000/10.000	3500/6000/8000/10.000	-	-	-	-	-	-	3500/6000/8000/10.000	3500/6000/8000/10.000
Max. tool diameter when profiling	mm	240	240	-	-	-	-	-	-	210 ÷ 240	210 ÷ 240
Max. diameter of tool lowered under the table at 90°	mm	240	240	-	-	-	-	-	-	240	240
Max. tool diameter when tenoning	mm	320 (300 no CE)	320 (300 no CE)	-	-	-	-	-	-	320 (300 no CE)	-
other technical features											
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz	S	S	-	S	-	S	S	S	S	S	S
Three-phase motors 7 kW (9,5 hp) 50 Hz with automatic star-delta start	O	O	S	O	S	O	-	O	O	O	O
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz with automatic star-delta start	-	-	O	-	O	-	-	-	-	-	-
Single-phase motors 2,2 kW (3 hp) 50 Hz	-	-	-	-	-	-	-	-	-	O	O
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz	O	O	O	O	O	O	O	O	O	O	O
Exhaust outlets diameter	mm	120	120	120	120	120	120	120	120	120	120

S Standard
O Option

elite s main optional devices

digital readouts
On squaring stops with
micrometric adjustment.



Compex
To rapidly obtain angular
cuttings with automatic
self-adjustment of the
stops position.



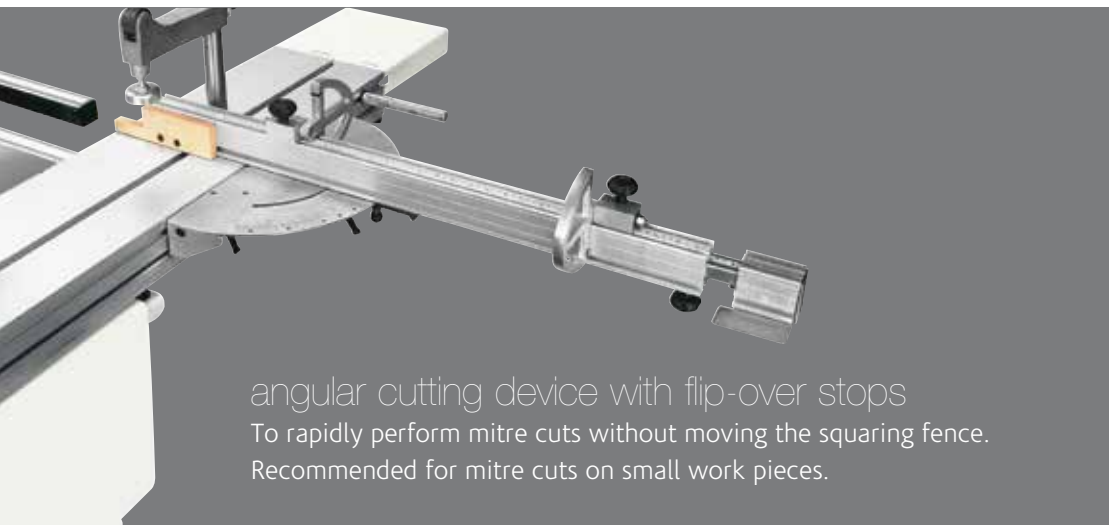
additional table on the sliding carriage
For the support of large dimensioned panels.



pushbuttons integrated
in the sliding carriage
The possibility to start or stop the blades
motors from the pushbuttons located at the
ends of the carriage considerably helps when
machining large dimensioned panels.



angular cutting device with flip-over stops
To rapidly perform mitre cuts without moving the squaring fence.
Recommended for mitre cuts on small work pieces.



overhead blade
protection
For totally safe
machining.



Dado set
Mechanical presetting to
use a tool (not included)
in place of the main blade.



pre-set angular
cutting device
directly positioned
on squaring frame
To find rapidly the most
common angles with the
squaring fence. Useful for
large work pieces.



Expandable scoring blade
Manually expandable with variable
thickness from 2,8 to 3,6 mm.
Blade diameter: 120 mm.



supporto per tablet su
carro scorrevole
Compatibile con tablet da 8" a 11".



digital readout
for the fence
position on the
parallel fence
It allows precise
positioning with the
magnetic strip sensor.



elite s main optional devices



additional overturning fence
for thin work pieces
It ensures optimum operator safety when
machining thin work pieces.

"Tersa" cutter block
Automatic knives clamping by
means of the centrifugal force
ensures safe and precise machining.
The system, without fixing screws,
makes knives
substitution extremely fast.



cast iron mortiser
Drilling holes and mortises are
easily carried out. Complete with
exhaust hood, 120 mm diameter
and 16 mm chuck.

thicknessing table extension to be
used in infeed or outfeed
It can be installed on the
worktable end side.



thicknessing table with two removable idle rollers
It assists the feed for demanding pieces.



"Xylent" spiralknife cutter block
with 3 series of knives
The 3 spiralknives give an exceptional finish.
Reduced noise during machining provides
a more comfortable working environment.
It also improves the dust extraction due to
the production of very small chips. Each
cutter has 4 tips which can be rotated into
the cutting position when worn. Therefore
increasing the production life of the cutter
block before knives require replacement.



self-centering chuck
0-16 mm "Wescott" type
The mortiser spindles can be rapidly
substituted without the necessity
of adjustment.



maintenance case for
"Xylent" spiralknife
Complete with:
- 1 cleaning/degreasing liquid bottle for
the resins cleaning
- 1 set dynamometric key
- 2 bit Torx
- 10 inserts
- 5 screws
- 1 brass bristle brush to clean the spindle with mounted in inserts
- 1 steel bristle brush to clean the inserts housings



chuck with clamp
It allows harder machining thanks
to the stronger bits. The chuck
includes 3 clamps 5/10/16 mm.

elite s
main
optional
devices

interchangeable
spindle (A)
For a very quick spindle
substitution. Among the spare
spindle, it is available also the
spindle for router bits. (B)



A



B

elite s
main
optional
devices

tenoning table and
protection hood
For the tenoning operations on the
spindle moulder. It consists of:
- table
- protection hood for tools, 320 mm
diameter (300 mm USA/Canada)
- exhaust hood, 120 mm diameter



roller telescopic
extensions for
spindle moulder
For the machining of work
pieces with large dimensions.



electric pre-setting
and flip over support
for feeder
This solution allows a total exclusion
of the device and prevents interference
with other parts of the machine.

powered handling of the
operating groups with
digital readouts
For the best precision
and easy-to-use.



S Standard
O Option
* Standard for CE and USA/Canada versions

	cu 410es	st 5es	fs 52es	f 52es	s 52es	fs 41es	f 41es	s 41es	tw 55es	t 55es
"SCM Thundercut" Optimizer/Sequencer App	S	S	-	-	-	-	-	-	-	-
Angular cutting device with flip-over stops	O	O	-	-	-	-	-	-	-	-
Pre-set angular cutting device directly positioned on squaring frame	O	O	-	-	-	-	-	-	-	-
Digital readout for the fence position on the parallel fence	-	O	-	-	-	-	-	-	-	-
Start/stop pushbuttons for the saw blade and scoring blade integrated in the sliding carriage	O	O	-	-	-	-	-	-	-	-
Additional table on the sliding carriage	O	O	-	-	-	-	-	-	-	-
Overhead blade protection	-	O*	-	-	-	-	-	-	-	-
"Tersa" cutter block	O	-	O	O	O	O	O	O	-	-
"Xylent" spiralknife cutter block with 3 series of knives	O	-	O	O	O	O	O	O	-	-
Maintenance case for "Xylent" spiralknife	O	-	O	O	O	O	O	O	-	-
Cast iron mortiser	O	-	O	O	-	O	O	-	-	-
Self-centering chuck 0-16 mm "Wescott" type	O	-	O	O	-	O	O	-	-	-
Chuck with clamp	O	-	O	O	-	O	O	-	-	-
Thicknessing table with two removable idle rollers	-	-	O	-	O	-	-	-	-	-
Additional overturning fence for thin work pieces	-	-	O	O	-	O	O	-	-	-
Tenoning table and protection hood	O	O	-	-	-	-	-	-	O	-
Electric pre-setting and flip over support for feeder	O	O	-	-	-	-	-	-	O	-
Interchangeable spindle	O	O	-	-	-	-	-	-	O	O
Roller telescopic extensions for spindle moulder	-	-	-	-	-	-	-	-	O	O
Powered handling of the operating groups with digital readouts	O	O	O	-	S	O	-	O	O	-
Compex	O	O	-	-	-	-	-	-	-	-
Dado set	-	O	-	-	-	-	-	-	-	-
Digital readouts	O	O	-	-	-	-	-	-	-	-
Ready 3 / Programmed parallel fence	-	-	-	-	-	-	-	-	-	-
Tablet holder on the sliding carriage	O	O	-	-	-	-	-	-	-	-
Thicknessing table extension to be used in infeed or outfeed	-	-	O	-	O	-	-	-	-	-



SERVICE AND MAINTENANCE



TRAINING SERVICE



SPARE PARTS



DIGITAL SERVICES



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
tel. +39 0541 674111
spareparts@scmgroup.com
www.scmwood.com

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!**



SERVICE AND MAINTENANCE

- 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

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



Metalworking
and mechanical
machining



Iron castings

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.**



is more



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.04
09/2025

Mic Studio

