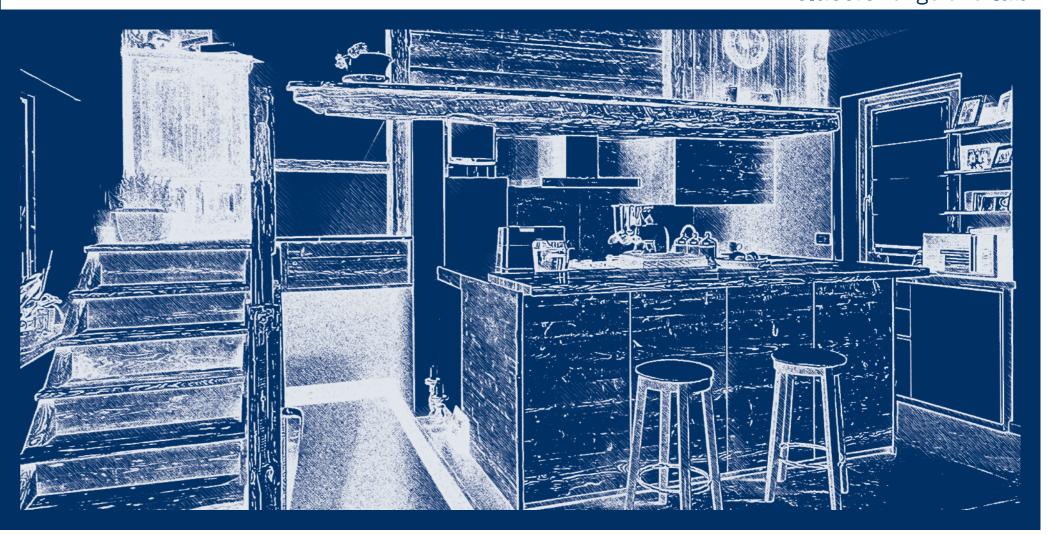
classic range and lab















minimax

the passion that deserves professional products.

minimax is the line of professional machines for hobbyists and 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.

classic and lab

Essentiality and practicality.





App Thundercut

Technology at your fingertips

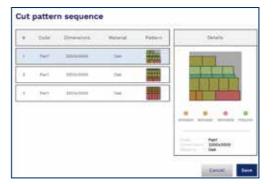
SCM Thundercut is the Optimizer/Sequencer App for mobile devices, that allows to optimize the panel surface and guides the operator through the cutting sequence.

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:











Stack Seed

New project : Cabinet one

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).





	cu 410c	cu 300c
mm	410	300
mm	1800	1510
mm	315	315
mm	1660 ÷ 2660	1660 ÷ 2660
mm	100	100
kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
	mm mm mm	mm 410 mm 1800 mm 315 mm 1660 ÷ 2660















SCM Thundercut Optimizer/ Sequencer App The best price to performances ratio with the essentiality and practicality required by DIY woodworkers and craftsmen.



classic circular saws sc 3c sc 2c



		sc 3c	sc 2c
Max. saw blade diameter with scoring blade installed	mm	315	315
90°/45° max. saw blade projection from table	mm	100 / 79	100 / 79
Cutting width on parallel fence	mm	900 ÷ 1270	900 ÷ 1270
Squaring stroke	mm	2310 ÷ 2660	1660
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	4 (4,8) / 50 (60)
Find the complete technical specification at page 18			





Saw Unit performance without limits Digital Readout high-tech devices







SCM Thundercut Optimizer/ Sequencer App

Compact and highly precise solutions with a low investment for DIY woodworkers and craftsmen.

classic spindle moulders tw 45c with fixed or tilting spindle t 45c with fixed spindle



		tw 45c	t 45c
		LW 430	1 400
Max. useful spindle length	mm	100	100
Max. tool diameter when profiling	mm	210	210
Max. tool diameter lowered under the table at 90°	mm	180	180
Max. tool diameter when tenoning	mm	275	-
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)
Find the complete technical specification at page 18			











Versatility and ease of use of the spindle moulders, ideal for DIY woodworkers and craftsmen.

classic operating groups

MAX = 315 EP = 2.8 mm

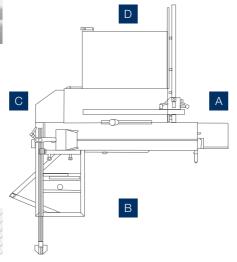


The new **scoring unit** can be supplied on request and can easily be adjusted from outside the machine.

performance without limits

Saw Unit.

Incredible cutting of both very thick solid wood and panels, even those veneered, thanks to the new saw unit with a blade that has a maximum diameter of 315 mm with the scoring blade installed.



A clean machine environment facilitates maintenance avoiding mechanical breakdowns of the units and improving the machine's precision and reliability over time. Very high effective saw unit exhaust hood: the tests carried out by Scm's studies highlighted a maximum dust emission level 90% lower with respect to the maximum level allowed by the European safety regulations!

Position D// Machining Position A laximum value according to the CE norm Position C Position B Strips cut 0.08 mg/m³ 0.04 mg/m³ 0.16 mg/m³ 0.10 mg/m





Squaring Frame and Fence.

The sc 2c squaring frame (A) is complete with a telescopic fence with a retractable stop. The other classic machines (B) are equipped with a large squaring frame (960 x 600 mm) complete with:

- telescopic fence with 2 flip-over stops
- eccentric clamp
- telescopic swinging arm support



cu 300c and cu 410c are equipped with a

saw-planer multifunction fence, designed to



Sliding Table.

Easier and more precise cutting is possible due to a perfectly stable support that is guaranteed, even for large work pieces, by the wide sliding table and the large squaring frame fence provided as standard. Top quality precision, smooth and silent action, self-cleaning dustproof system, long lasting accuracy, no adjustments required. The sliding table is made of extruded anodized aluminum with a closed honeycomb structure. The sliding table runs on an exclusive slide way system consisting of calibrated and hardened F550 SX steel guides.









classic operating groups

optimal planing

Planer Cutter Block.

The planer unit in the standard version has a 72 mm diameter cutter block with 3 knives (the optional "Tersa" cutter block is available with quick tightening knives and automatic adjustment). For an impeccable result, the pressure of the thicknesser feed rollers can be adjusted according to the type of wood machined. The thicknesser infeed roller (A) has helical toothing to guarantee strong, constant work piece feed. In contrast, the sandblasted steel outfeed roller (B) maintains the perfect post-machining finish.



absolute rigidity

Surfacing Fence.

Very high rigidity of the **fs 30c** and **fs 41c** surfacing fences made of extruded aluminum with respectively 1300 and 1670 mm length.

exceptional accessibility

Surfacing Tables Opening.

Thicknessing is more comfortable: during the changeover from surfacing to thicknessing the surfacing tables open towards the inside of the machine, with a 90° angle, and simultaneously. Work pieces with a maximum height of 230 mm can be machined to the thicknesser. The new design of the dust conveyor, protecting the cutter block, is specifically intended to further increase system safety and efficiency.









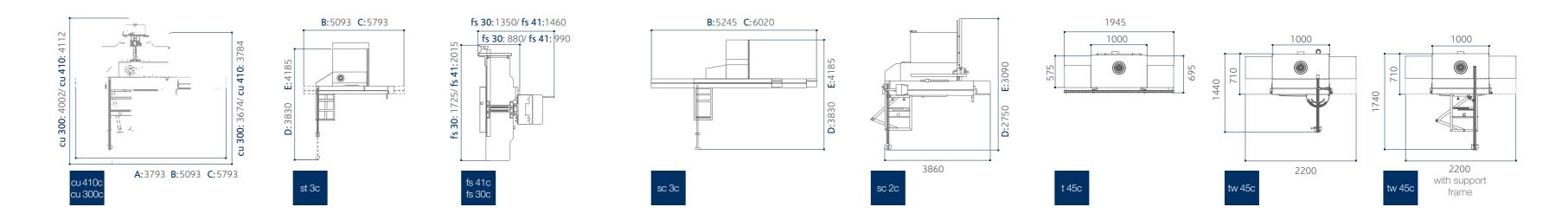
Table Extensions and Frame Support.

On **t 45c**, the table extensions at outfeed and infeed and the telescopic front support with support rollers (options) make easier the machining of large dimensions work pieces.

The 270 mm sliding table on tw 45c, provides a greater support, very useful also for tenoning. Precise cuttings, even for large work pieces, with the support frame (option) with telescopic fence.



classic dimensions and technical data



A with wagon 1600 mm
B with wagon 2250 mm
C with wagon 2600 mm
D with 900 mm cutting width*
E with 1270 mm cutting width*
*at the parallel fence

		011 /1100	011 2000	ot 20	fs 41c	fo 200	20.20	60.20	tw 45c	t 45c
		cu 410c	cu 300c	st 3c	15 410	fs 30c	sc 3c	sc 2c	tw 450	1 450
planer										
Working width	mm	410	300	-	410	300	-	-	<u> </u>	
Cutter block diameter (mm)/no. of standard knives	mm/n.	72 / 3	72 / 3	-	72 / 3	72 / 3	-	-	-	-
Dimensions of standard knives	mm	410 x 30 x 3	300 x 30 x 3	-	410 x 30 x 3	300 x 30 x 3	-	_	-	
Max. stock removal	mm	4	4	-	4	4	-	_	-	
Surfacing tables total length	mm	1800	1510	-	1800	1510	-	-	-	
Thicknessing table dimensions	mm	410 x 605	300 x 585	-	410 x 605	300 x 585	-	-	-	_
Feed speed on thicknesser	m/min	7	7	-	7	7	-	-	-	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 230	3 ÷ 230	-	3 ÷ 230	3 ÷ 230	-	-	-	-
circular saw										
Cast iron saw-spindle moulder worktable dimensions	mm	1115 x 335	1115 x 335	1115 x 430	-	-	840 x 560	1020 x 325	-	-
aw blade tilting		90° ÷ 45°	90° ÷ 45°	90° ÷ 45°	-	_	90° ÷ 45°	90° ÷ 45°	-	-
Max. saw blade diameter with scoring blade installed	mm	315	315	315	-	-	315	315	-	-
Max. saw blade projection from table at 90°/45°	mm	100 / 79	100 / 79	100 / 79	-	-	100 / 79	100 / 79	-	-
Squaring stroke	mm	1660 ÷ 2660	1660 ÷ 2660	1660 ÷ 2660	-	-	2310 ÷ 2660	1660	-	-
Cutting width on parallel fence	mm	900	820	900 ÷ 1270	-	_	900 ÷ 1270	900 ÷ 1270	-	-
spindle moulder										
Max. useful spindle length	mm	100	100	100	-	-	-	-	100	100
Spindle moulder speed (at 50 Hz)	rpm	3500 / 7000 / 10.000	3500 / 7000 / 10.000	3500 / 7000 / 10.000	-	-	-	-	3500 / 7000 / 10.000	3500 / 7000 / 10.000
Max. tool diameter when profiling	mm	210	210	210	-	-	-	-	210	210
Max. diameter of tool lowered under the table at 90°	mm	180	180	180	-	-	-	-	180	180
Max. tool diameter when tenoning	mm	275	275	275	-	-	-	-	275	-
other technical features										
Three-phase motors 4 kW (5,5 hp) 50 Hz - 4,8 kW (6,5 hp) 60 Hz		-	-	-	S	S	-	S	-	-
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		S	S	S	0	0	S	0	S	S
Single-phase motors 2,2 kW (3 hp) 50 Hz		0	0	0	0	0	0	0	0	0
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		0	0	0	0	0	0	0	0	0
Exhaust outlets diameter	mm	120	120	120	120	120	120	120	120	120

S Standard O Option

classic main optional devices





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

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









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



digital readout for the fence position on the parallel fence

It allows precise positioning with the magnetic strip sensor.



For the saw and surfacing planer. Designed to be easy to remove and to allow a rapid changeover operation to onother.

gravitational handwheel

Handwheel with gravitational numerical readout for the thicknessing table positioning.









three movement adjustable spindle moulder fence

The spindle moulder fence can be easily removed and re-positioned without losing the working position, thanks to the nemory system. The fence, besides, uses an adjustment system through rack and it has tool capacity during profiling is of 210 mm diameter.



interchangeable spindle (A)

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

classic main optional devices

tenoning table and protection hood

For the tenoning operations on the spindle moulder. It consists of:

- protection hood for tools, 275 mm diameter - exhaust hood, 120 mm diameter



"minimax ease" mobile

Designed to store various accessories such as: surfacing fence, squaring fence, spindle It consists of:

upper table with bakelite surface that can be used also with piece support during processing - rotating wheels with locking device

minimax si 315es



This solution allows a total

exclusion of the device and prevents interference with other parts of the



S Standard O Option

	cu 410c	cu 300c	st 3c	fs 41c	fs 30c	sc 3c	sc 2c	tw 45c	t 45c
SCM Thundercut" Optimizer/Sequencer App	S	S	S	-	-	S	S	_	_
ablet holder on the sliding carriage	0	0	0	-	-	0	0	-	-
ngular cutting device with flip-over stops	0	0	0	-	-	0	0	-	-
igital readout for the fence position on the parallel fence	-	-	0	-	-	0	0	-	-
dditional table on the sliding carriage	0	0	0	-	-	0	0	-	-
verhead blade protection	-	-	0	-	-	0	0	-	-
rofessional guides unit	0	0	-	-	-	-	-	-	-
Tersa" cutter block	0	0	-	0	0	-	-	-	-
Xylent" spiralknife cutter block with 3 series of knives	0	0	-	0	0	-	-	-	-
laintenance case for "Xylent" spiralknife	0	0	-	0	0	-	-	-	-
ast iron mortiser	0	0	-	0	0	-	-	-	-
elf-centering chuck 0-16 mm "Wescott" type	0	0	-	0	0	-	-	-	-
hree movement adjustable spindle moulder fence	-	-	-	-	-	-	-	0	0
enoning table and protection hood	0	0	0	-	-	-	-	0	-
lectric pre-setting and flip over support for feeder	0	0	0	-	-	-	-	-	-
nterchangeable spindle	0	0	0	-	-	-	-	0	0
Vheels for machine movement	0	0	0	0	0	-	-	-	-
ado set	0	0	-	-	-	0	-	-	-
ravitational handwheel	0	0	-	0	0	-	-	-	-

combined machine lab 300p



lab300p operating groups

Saw Unit

New saw unit with a blade that has a maximum diameter of 315 mm with the scoring blade installed. The new scoring unit can be supplied on request and can easily be adjusted from outside the machine.



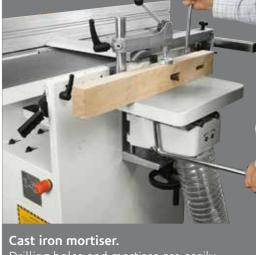


ier, more precise cutting is possible anks to perfectly stable support uaranteed, even for large work pieces, y the 270 mm wide sliding table.



Spindle Moulder.

The unit (A) has a spindle with a useful working length of 100 mm. A tool with a maximum diameter of 180 mm can be retracted under the worktable. For machine maximum safety and increased flexibility, a spindle moulder protective hood for shaping (B) is supplied as standard.



Drilling holes and mortises are easily carried out. Complete with exhaust hood, 120 mm diameter and 16 mm chuck. (option)





optimal planing

Planer Cutter Block.

The planer unit in the standard version has a 72 mm diameter cutter block with 3 knives (the optional "Tersa" cutter block is available with quick tightening knives and automatic adjustment). For an impeccable result, the pressure of the thicknesser feed rollers can be adjusted according to the type of wood machined. The thicknesser infeed roller (A) has helical toothing to guarantee strong, constant work piece feed. In contrast, the sandblasted steel outfeed roller (B) maintains the perfect post-machining finish.



Surfacing Tables Lifting.

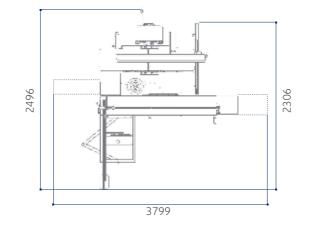
During the changeover from surfacing to thicknessing the **surfacing tables open** towards the inside of the machine with a 90° angle, facilitating thicknessing.

Work pieces with a maximum height of 220 mm can be machined to the thicknesser The **new design of the dust-conveyor**, protecting the cutter block, is specifically intended to further increase system safety and efficiency.





lab 300p dimensions and technical data





		lab 300p
alonay		lab 300p
planer		200
Working width	mm	300
Cutter block diameter (mm)/no. of standard knives	mm/n.	72 / 3
Dimensions of standard knives	mm	300 x 30 x 3
Max. stock removal	mm	3
Surfacing tables total length	mm	1300
Thicknessing table dimensions	mm	300 x 450
Feed speed on thicknesser	m/min	7
Min. ÷ max. working height on thicknesser	mm	3 ÷ 220
circular saw		
Cast iron saw-spindle moulder worktable dimensions	mm	1020 x 325
Saw blade tilting		90° ÷ 45°
Max. saw blade diameter with scoring blade installed	mm	315
Max. saw blade projection from table at 90°/45°	mm	100 / 79
Squaring stroke	mm	1660
Cutting width on parallel fence	mm	800
spindle moulder		
Max. useful spindle length	mm	100
Spindle moulder speeds (at 50 Hz)	rpm	3500 / 7000 / 10.000
Max. tool diameter when profiling	mm	210
Max. diameter of tool lowered under the table at 90°	mm	180
Max. tool diameter when tenoning	mm	275
other technical features		
Three-phase motors 4 kW (5,5 hp) 50 Hz - 4,8 kW (6,5 hp) 60 Hz		S
Single-phase motors 2,2 kW (3 hp) 50 Hz		0
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		0
"SCM Thundercut" Optimizer/Sequencer App		S
Exhaust outlets diameter	mm	120



lab 300p main optional devices

tenoning table and protection hood

For the tenoning operations on the spindle moulder. It consists of:

- table
- protection hood for tools,275 mm diameter
- xhaust hood, 120 mm diameter



"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.



self-centering chuck 0-16 mm "Wescott" type

The mortiser spindles can be rapidly substituted without the necessity of adjustment.



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





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.



"Xylent" spiralknife cutter bloc 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.



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

"minimax ease" mobile trolley for accessories

Designed to store various accessories such as:
surfacing fence, squaring fence, spindle
moulder fence, spindle shafts, etc.
It consists of:

upper table with bakelite surface that can be used also with piece support during processing
 two shelves with rubber surface
 rotating wheels with locking device







professiona

For the saw and surfacing planer. Designed to be easy to remove and to allow a rapid changeover frome one type of operation to onother.



PROMPT AND EXPERT TECHNICAL SUPPORT THROUGH A NETWORK OF 1000 **TECHNICIANS AND AN INVENTORY** OF 36,000 SPARE PARTS.

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SPARE PARTS

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Our spare parts inventory, with a value of 12 million euros, covers every single machine



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500 SHIPMENTS A DAY





THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65+ 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



In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and compared and compared to the world leader, manufacturing industrial equipment and compared to the world leader.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY

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





TECHNOLOGIES FOR PROCESSING PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS

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

Ascmfonderie **4**steelmec



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.

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