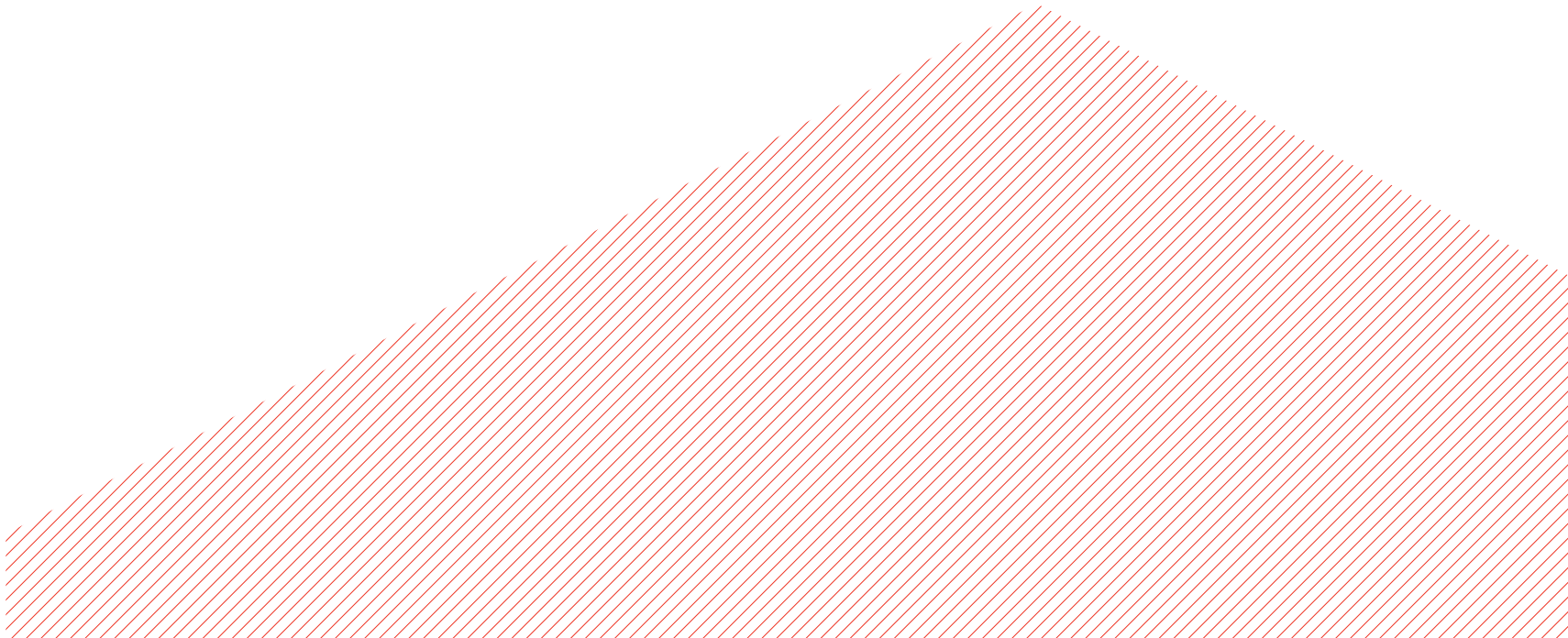

english
minimax
minimax

minimax




CRAFTSMAN
NICKEL PLATED

minimax

Scm Group

An industrial group, leader in the design, production and distribution of **technologically advanced solutions to process a wide range of materials** (wood, stone, plastic, metals and composite materials) with specialized brands for specific technologies and center of excellence qualified in industrial components, with presence on all 5 continents for over 60 years.

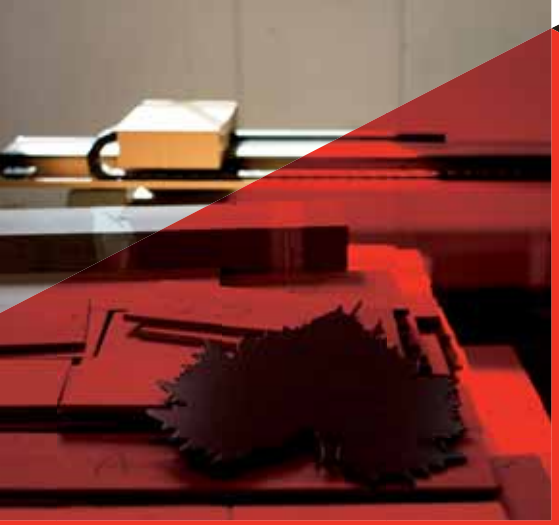
minimax

The passion that deserves professional products

The tradition of **Minimax branded products** and technological innovation of **SCM industrial group** are the frame of the success in the woodworking machines world for hobbyists and woodworkers.

Practical, compact and robust, Minimax machines work with ease any kind of wood or derived guaranteeing the highest quality and reliability. With a production of over 10.000 machines per year, Minimax offers a wide range of products designed thinking at safety in the first place, to protect also the least experienced operators.

Minimax distributes professional machines through partnerships with the best dealers in the world, providing support pre and post-sales, sales training, training and technical assistance updates. These exclusive services combined with the knowledge of the market allow the dealers to successfully meet every client's need. The distribution network has 19 branches and over 350 selected dealers.



Minimax has UNI EN ISO 9001-2000 quality certification and operates from a 15.000 square meters production facility in the Republic of San Marino, not far from Rimini, on Italy's Adriatic coast, where Minimax has five automated production lines. Minimax, a premium division of **Scm Group**, offers configured products and services dedicated to the trade.

minimax

our strengths

experience and expertise

By choosing **Minimax** you can count on a considerable wealth of experience and expertise that is consolidated by being part of the **Scm Group**, global leader in the production of woodworking machinery, ever since the production of the first combined machine in 1952.

evolution

The attention to the customer woodworking requirements is the starting point in the development of **Minimax** solutions.

worldwide distribution

Minimax is always close at hand, with a consolidated network of branches and sales points in 120 countries, that can provide consultancies at home and an effective and widespread after-sales support service.

classical machines

elite s

maximum expression of professional performances and technology

elite s
combined machines

cu 410 universal combined machine
st 5 saw-spindle moulder

		cu 410 elite s	st 5 elite s
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 28

Saw Unit
unique worldwide

Surfacing Tables
fast set up

Squaring Fence
immediate control

Spindle Moulder
unsurpassed moulding

Controls on Wagon
high-tech devices

Sliding Table
unrivalled cutting finishing

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

elite s planers

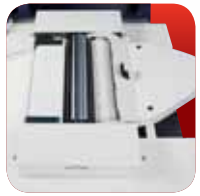
fs 52
surfacing-thicknessing planer

f 52
surfacing planer

s 52
thicknessing planer

		fs 52 elite s	f 52 elite s	s 52 elite s
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 28



Planer Cutter Block
perfect finishing

Thicknessing Table
stability over time

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

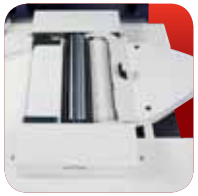
fs 41
surfacing-thicknessing planer

f 41
surfacing planer

s 41
thicknessing planer

		fs 41 elite s	f 41 elite s	s 41 elite s
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 28



Planer Cutter Block
perfect finishing

Thicknessing Table
stability over time

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
circular saws
si 400
si 315

		si 400 elite s	si 315 elite s
Max. saw blade diameter **with scoring blade installed**	mm	400	315
90°/45° max. saw blade projection from table	mm	138 / 98	101 / 71
Cutting width on parallel fence	mm	1270	1270
Squaring stroke	mm	2600 ÷ 3200	2600 ÷ 3200
Three-phase motors strarting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 28

Saw Unit
unique worldwide

Powered Movements
rapidity and precision

Squaring Fence
immediate control

Controls on Wagon
high-tech devices

Sliding Table
unrivalled cutting finishing

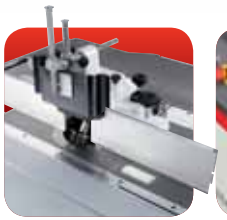
Professional circular saws with tilting blade
for uncompromising quality.

elite s
spindle moulders
t 55 w with fixed or tilting spindle
t 55 with fixed spindle

		t 55 w elite s	t 55 elite s
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 strarting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 28

Spindle Moulder
unsurpassed molulding

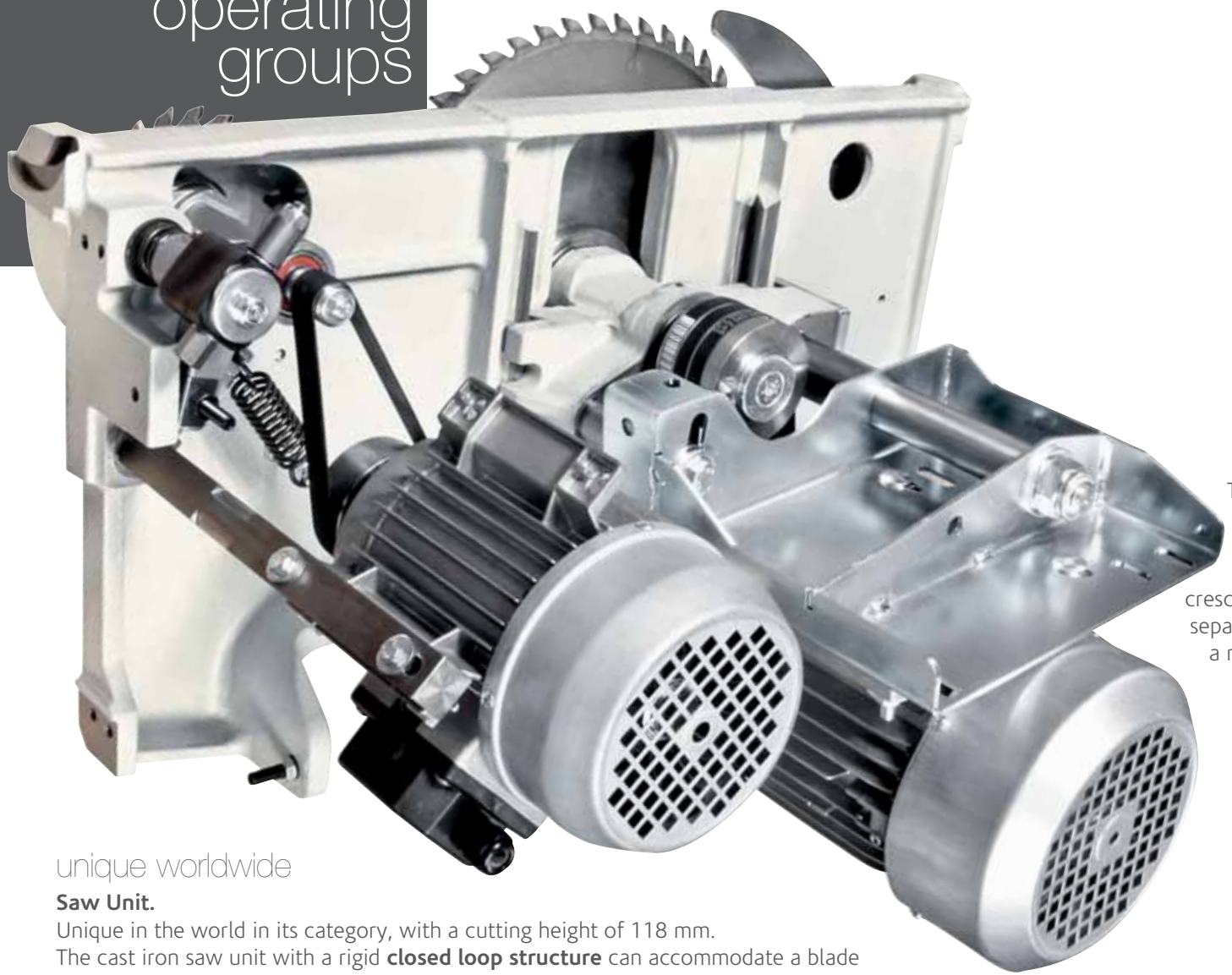


Moulder Guide
high-tech devices

Sliding Table
unrivalled cutting finishing

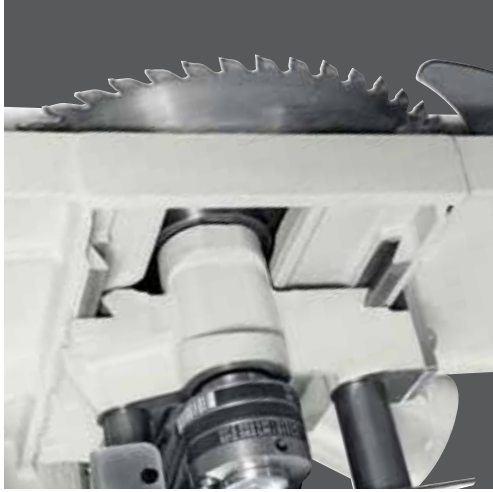
The professional spindle moulders that allow for customization and flexibility, for woodworking shops and demanding craftsmen.

elite s operating groups



unique worldwide

Saw Unit.
Unique in the world in its category, with a cutting height of 118 mm.
The cast iron saw unit with a rigid **closed loop structure** can accommodate a blade of 315 and 350 mm diameter (up to 400 mm for si 400 elite s) **with the scoring blade mounted**, 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

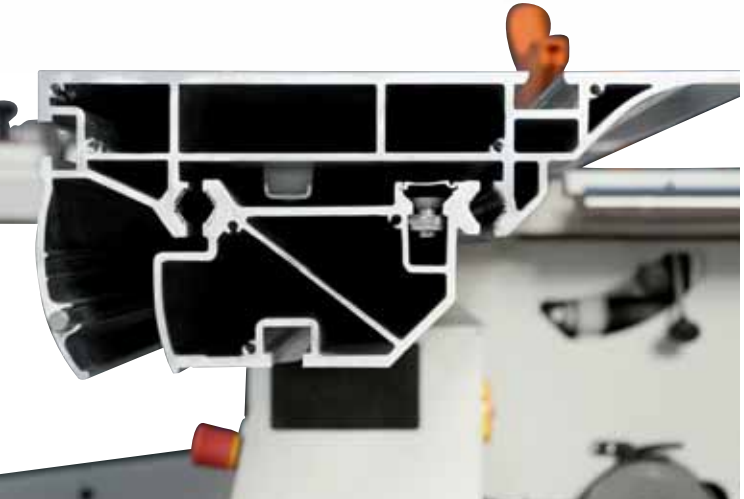
Controls on Wagon.

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



unrivalled cutting finishing

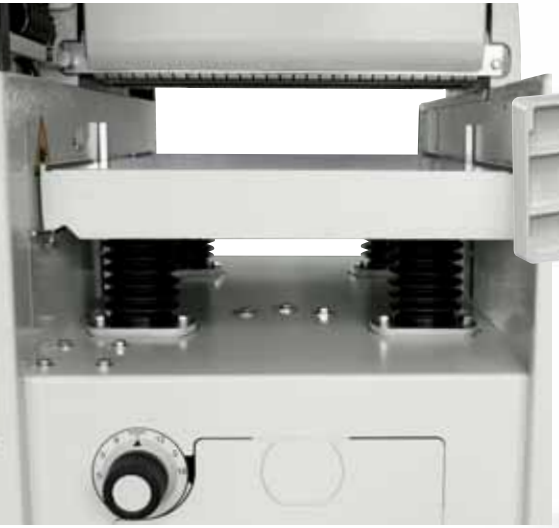
Sliding Table.

Optimal support also to larger pieces, with the **sliding table 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 operating groups

absolute rigidity

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



stability over time

Tables Lifting.
Comfortable and precise planing. The Elite S series 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 thicknessing 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 thicknesser 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.

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

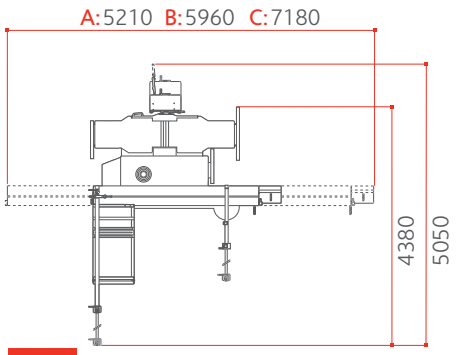
unsurpassed molulding

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).

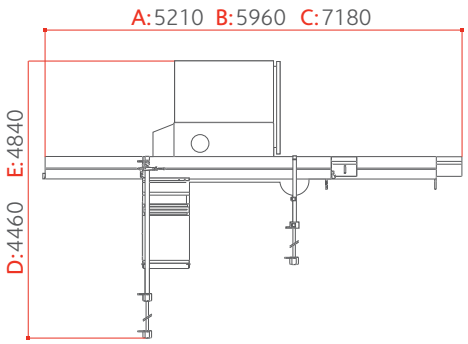
high-tech devices

Moulder Guide.
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 55 and t 55 w elite s** 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).

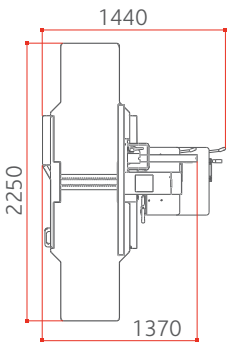
elite s dimensions and technical data



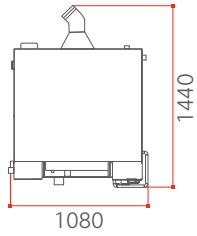
cu 410



st 5



fs 52 f 52

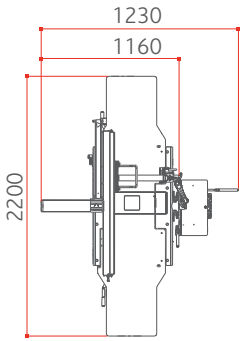


s 52

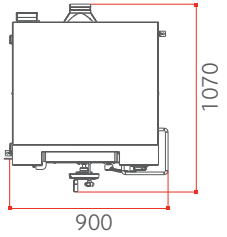
A with wagon 2250 mm
B with wagon 2600 mm
C with wagon 3200 mm
D with 900 mm cutting width*
E with 1270 mm cutting width*
**at the parallel fence*

		cu 410 elite s	st 5 elite s	fs 52 elite s
planer				
Working width	mm	410	-	520
Cutter block diameter (mm)/no. of standard knives	mm/n.	95 / 4	-	120 / 4
Dimensions of standard knives	mm	410 x 30 x 3	-	520 x 30 x 3
Max. stock removal	mm	5	-	5
Surfacing tables total length	mm	2200	-	2250
Thicknessing table dimensions	mm	410 x 775	-	520 x 850
Feed speed on thicknesser	m/min	6 / 12	-	5 / 8 / 12 / 18
Min. ÷ max. working height on thicknesser	mm	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 length	mm	125	125	-
Spindle moulder speeds (at 50 Hz)	rpm	3500/6000/8000/10.000	3500/6000/8000/10.000	-
Max. tool diameter when profiling	mm	240	240	-
Max. diameter of tool lowered under the table at 90°	mm	240	240	-
Max. tool diameter when tenoning	mm	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	-
Three-phase motors 7 kW (9,5 hp) 50 Hz **with automatic star-delta start**		O	O	S
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz **with automatic star-delta start**		-	-	O
Single-phase motors 2,2 kW (3 hp) 50 Hz		-	-	-
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		O	O	O
Exhaust outlets diameter	mm	120	120	120

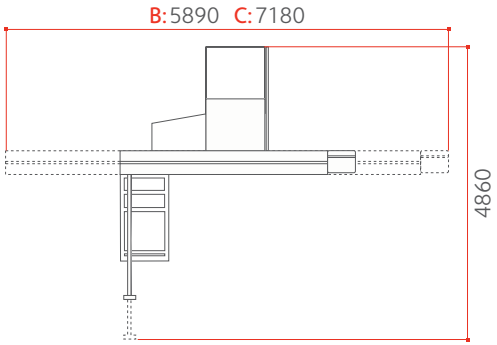
S Standard
O Option



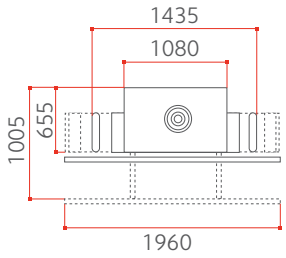
fs 41 | f 41



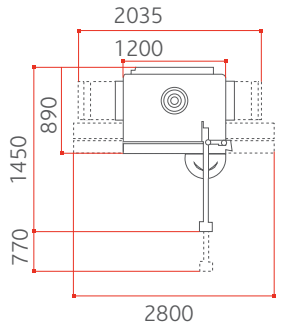
s 41



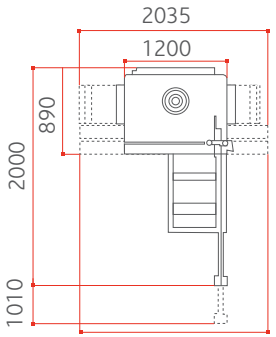
si 400 | si 315



t 55



t 55 w



t 55 w with support frame

f 52 elite s	s 52 elite s	fs 41 elite s	f 41 elite s	s 41 elite s	si 400 elite s	si 315 elite s	t 55 w elite s	t 55 elite s
520	520	410	410	410	-	-	-	-
120 / 4	120 / 4	95 / 4	95 / 4	95 / 4	-	-	-	-
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	-	-	-	-
5	5	5	5	5	-	-	-	-
2250	-	2200	2200	-	-	-	-	-
-	520 x 850	410 x 775	-	410 x 775	-	-	-	-
-	5 / 8 / 12 / 18	6 / 12	-	6 / 12	-	-	-	-
-	3 ÷ 240	3 ÷ 240	-	3 ÷ 240	-	-	-	-
-	-	-	-	-	940 x 560	940 x 560	-	-
-	-	-	-	-	90° ÷ 45°	90° ÷ 45°	-	-
-	-	-	-	-	400	315	-	-
-	-	-	-	-	138 / 98	101 / 71	-	-
-	-	-	-	-	2600 ÷ 3200	2600 ÷ 3200	-	-
-	-	-	-	-	1270	1270	-	-
-	-	-	-	-	-	-	125	125
-	-	-	-	-	-	-	3500/6000/8000/10.000	3500/6000/8000/10.000
-	-	-	-	-	-	-	210 ÷ 240	210 ÷ 240
-	-	-	-	-	-	-	240	240
-	-	-	-	-	-	-	320 (300 no CE)	-
S	-	S	S	S	S	S	S	S
O	S	O	-	O	O	O	O	O
-	O	-	-	-	-	-	-	-
-	-	-	-	-	-	-	O	O
O	O	O	O	O	O	O	O	O
120	120	120	120	120	120	120	120	120

elite s main optional devices

digital readout for the fence position on the parallel fence

It allows precise positioning with the magnetic strip sensor.

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.

additional table on the sliding carriage

For the support of large dimensioned panels.

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.

overhead blade protection

For totally safe machining.

"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.

"Xilent" 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.

chuck with clamp

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

cast iron mortiser

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

thicknessing table with two removable idle rollers

It assists the feed for demanding pieces.

additional overturning fence for thin work pieces

It ensures optimum operator safety when machining thin work pieces.

A

B

interchangeable spindle (A)

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

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.

elite s
main optional devices

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

	cu 410 elite s	st 5 elite s	fs 52 elite s	f 52 elite s	s 52 elite s	fs 41 elite s	f 41 elite s	s 41 elite s	si 400 elite s	si 315 elite s	t 55 w elite s	t 55 elite s
Angular cutting device with flip-over stops	O	O	-	-	-	-	-	-	O	O	-	-
Pre-set angular cutting device directly positioned on squaring frame	O	O	-	-	-	-	-	-	O	O	-	-
Digital readout for the fence position on the parallel fence	-	O	-	-	-	-	-	-	O	O	-	-
Start/stop pushbuttons for the saw blade and scoring blade integrated in the sliding carriage	O	O	-	-	-	-	-	-	O	O	-	-
Additional table on the sliding carriage	O	O	-	-	-	-	-	-	O	O	-	-
Overhead blade protection	-	O*	-	-	-	-	-	-	O*	O	-	-
"Tersa" cutter block	O	-	O	O	O	O	O	O	-	-	-	-
"Xilent" 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	O	O	-

elite

solid, flexible and economical

FOR A SUPERIOR QUALITY FINISHED PRODUCT

combined machines **36**

ACCURATE AND EFFICIENT ON EVERY WORKING PROCESS

combined machine and circular saw **38**

elite
combined machines
cu 410
fs 41

universal combined machine
surfacing-thicknessing planer

		cu 410 elite	fs 41 elite
Planer useful working width	mm	410	410
Total length of surfacing tables	mm	2000	2000
Max. saw blade diameter with **scoring blade installed**	mm	3 ÷ 240	3 ÷ 240
Squaring stroke	mm	315	-
Max. spindle length	mm	125	-
Three-phase motors starting from	kW/Hz	4 (4,8) / 50 (60)	4 (4,8) / 50 (60)

Find the complete technical specification at page 44

Saw Unit
stability and rigidity

Planer Cutter Block
perfect finishing

Spindle Moulder
versatility

Moulder Guide
hi-tech devices

Digital Readout
hi-tech devices

Sliding Table
precise and quiet

Solid, flexible and affordable machines for woodworking shops and demanding craftsmen that want to achieve a qualitatively superior finished product.

combined machine and circular saw

elite

st 4 saw-spindle moulder

sc 4 circular saw

		st 4 elite	sc 4 elite
Max. saw blade diameter **with scoring blade installed**	mm	315	315
Squaring stroke	mm	1600 ÷ 3200	2250 ÷ 3200
Max. useful spindle length	mm	125	-
Three-phase motors starting from	kW/Hz	4 (4,8) / 50 (60)	4 (4,8) / 50 (60)

Find the complete technical specification at page 44

Saw Unit
stability and rigidity

Spindle Moulder
versatility

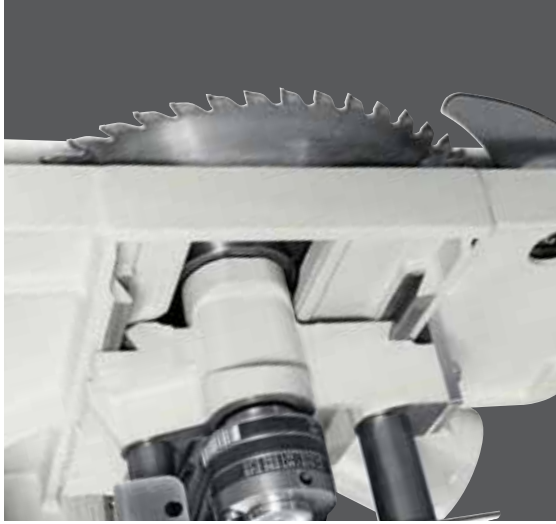
Moulder Guide
hi-tech devices

Digital Readout
hi-tech devices

Sliding Table
precise and silent

elite operating groups

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.

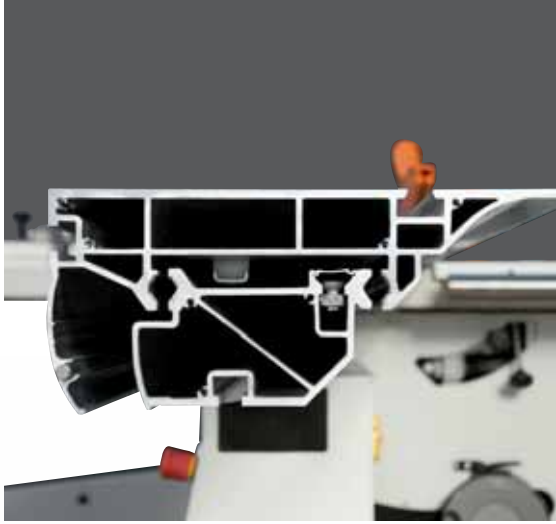
stability and rigidity

Saw Unit.

The new **saw unit closed loop structure is made of a heavy cast iron** and is supported firmly under the table by two lateral supports in a crescent shape.
These solutions give strength and rigidity, guaranteeing perfect cutting results. The saw unit can be equipped, on request, with scoring blade for perfect cutting even on veneered panels. The scoring blade is an optional available in two versions: with belt transmission from the main motor and with an independent motor 0.75 HP (0.55 kW).
The maximum diameter allowed for the main saw is **315 mm with scoring blade mounted.**

precise and silent

Sliding Table.
Optimal support also to larger pieces, with the **sliding table 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.



high-tech devices

Digital Readout.
The round cross-section sliding bar for the parallel fence (optional device for cu 410 elite) with micrometric adjustments ensures a smooth, fast and especially precise positioning of the fence. The support of the fence can also be equipped with a **digital readout**, with the sensor running on a magnetic stripe (option).

Panel loading is easy on the **large squaring frame** with an idle roller at the end. The **telescopic squaring fence with two reversible stops** can be used to square panels measuring 3200 x 3200 mm and for miter cuts at up to 45° on both sides of the frame.

elite operating groups

perfect finishing

Planer Cutter Block.
The planer unit stands on cast iron supports and the standard version has a 87 mm diameter cutter block with 3 knives. (The optional "Tersa" cutter block is available with 4 quick tightening knives and automatic adjustment).
For an impeccable finish, the pressure of the thicknesser feed rollers can be adjusted according to the type of wood machined.
The infeed roller (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.

Two feed speed for the standard thicknesser (6 - 12 m/min.).
In the cu 410 elite the planers open towards the circular saw-spindle moulder side: an ergonomic solution with minimum amount of space.

The fs 41 elite uses a dedicated planing fence extremely rigid and smooth, thanks to a **support with central round bar.**

functional and customisable

A machine even more versatile: with the practical **mortiser** (option) drilling holes or mortises are easily done.

versatility

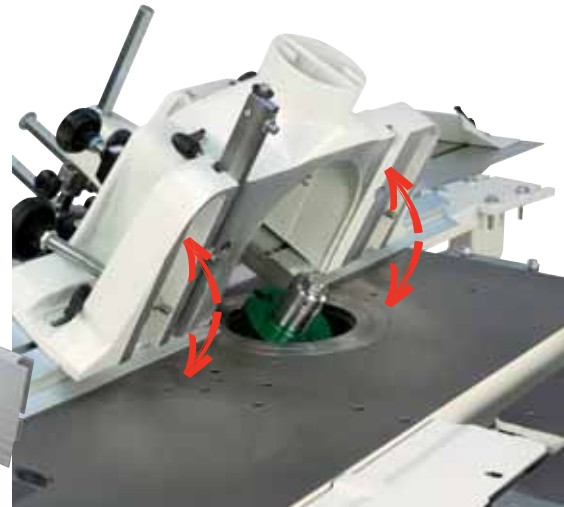
Spindle Moulder.
Maximum stability and rigidity in all working conditions, thanks to a large spindle moulder column made entirely of cast iron.
The 4 standard speed are ideal for any type of machining, from moulding to routing and tenoning with the possibility to fit tools up to 275 mm of diameter. The spindleis surrounded by a cast iron "cup" **to protect the internal mechanical components** from shavings and sawdust.

high-tech devices

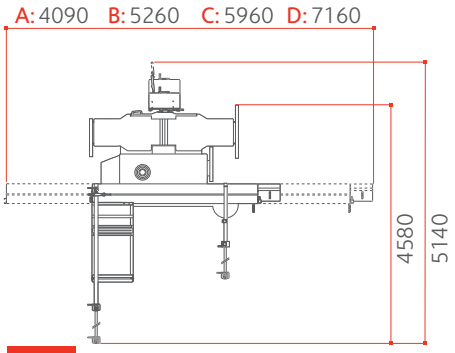
Moulder Fence.
The standard spindle moulder hood (A) can house tools of maximum diameter 210 mm. Available as an option, the spindle moulder hood that uses an adjustment system of the guides through rack and it has a mechanical digital readout (B). Thanks to the **memories system**, this hood can be removed and replaced without losing the operating position.
The maximum capacity of the tool used in profiling is 240 mm in diameter. It is available, on request, the tilting spindle 45° towards the inside machine.


A

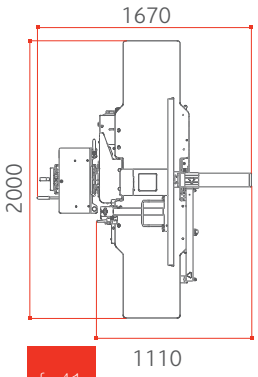

B



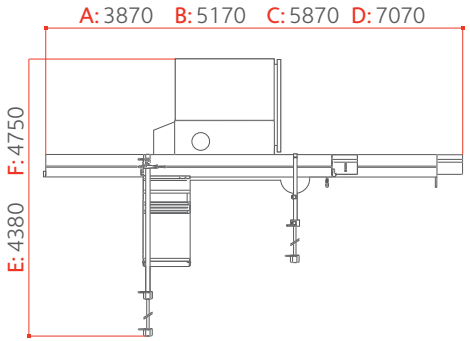
elite dimensions and technical data



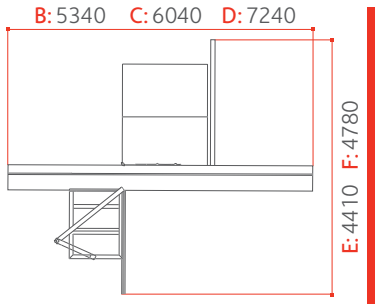
cu 410



fs 41



st 4



sc 4

S Standard
O Option

		cu 410 elite	fs 41 elite	st 4 elite	sc 4 elite
planer					
Working width	mm	410	410	-	-
Cutter block diameter (mm)/no. of standard knives	mm/n.	87 / 3	87 / 3	-	-
Dimensions of standard knives	mm	410 x 30 x 3	410 x 30 x 3	-	-
Max. stock removal	mm	5	5	-	-
Surfacing tables total length	mm	2000	2000	-	-
Thicknessing table dimensions	mm	423 x 775	423 x 775	-	-
Feed speed on thicknesser	m/min	6 / 12	6 / 12	-	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 230	3 ÷ 230	-	-
circular saw					
Cast iron saw-spindle moulder worktable dimensions	mm	1250 x 430	-	1250 x 430	840 x 560
Saw blade tilting		90° ÷ 45°	-	90° ÷ 45°	90° ÷ 45°
Max. saw blade diameter **with scoring blade installed**	mm	315	-	315	315
Max. saw blade projection from table at 90°/45°	mm	100 / 70	-	100 / 70	100 / 70
Squaring stroke	mm	1600 ÷ 3200	-	1600 ÷ 3200	2250 ÷ 3200
Cutting width on parallel fence	mm	1050	-	900 ÷ 1270	900 ÷ 1270
spindle moulder					
Max. useful spindle length	mm	125	-	125	-
Spindle moulder speeds (at 50 Hz)	rpm	3500 / 6000 / 8000 / 10.000	-	3500 / 6000 / 8000 / 10.000	-
Max. tool diameter when profiling	mm	210 ÷ 240	-	210 ÷ 240	-
Max. diameter of tool lowered under the table at 90°	mm	240	-	240	-
Max. tool diameter when tenoning	mm	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	S
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		O	O	O	O
Three-phase motors 7 kW (9,5 hp) 50 Hz **with direct start**		O	O	O	O
Single-phase motors 2,2 kW (3 hp) 50 Hz		O	O	O	O
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		O	O	O	O
Exhaust outlets diameter	mm	120	120	120	120

A with wagon 1600 mm
B with wagon 2250 mm
C with wagon 2600 mm
D with wagon 3200 mm
E with 900 mm cutting width*
F with 1270 mm cutting width*
**at the parallel fence*

elite main optional devices

additional table on the sliding carriage

For the support of 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.

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.

digital readout for the fence position on the parallel fence

It allows precise positioning with the magnetic strip sensor.

"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.

"Xilent" 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.

additional overturning fence for thin work pieces

It ensures optimum operator safety when machining thin work pieces.

A

B

interchangeable spindle (A)

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

tenoning table and protection hood

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

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

wheels for machine movement

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.

elite
main optional devices

S Standard
O Option

	cu 410 elite	fs 41 elite	st 4 elite	sc 4 elite
Angular cutting device with flip-over stops	O	-	O	O
Pre-set angular cutting device directly positioned on squaring frame	O	-	O	O
Digital readout for the fence position on the parallel fence	-	-	O	O
Additional table on the sliding carriage	O	-	O	O
Overhead blade protection	-	-	O	O
Numerical readouts for the groups positioning	O	O	O	O
"Tersa" cutter block	O	O	-	-
"Xilent" spiralknife cutter block with 3 series of knife	O	O	-	-
Maintenance case for "Xylent" spiralknives	O	O	-	-
Cast iron mortiser	O	O	-	-
Self-centering chuck 0-16 mm “Wescott” type	O	O	-	-
Chuck with clamp	O	O	-	-
Additional overturning fence for thin work pieces	-	O	-	-
Three movement adjustable spindle moulder fence	O	-	O	-
Tenoning table and protection hood	O	-	O	-
Electric pre-setting and flip over support for feeder	O	-	O	-
Interchangeable spindle	O	-	O	-
Wheels for machine movement	O	O	-	-

classic

essentiality and practicality

BEST VALUE FOR PRICE/PERFORMANCE RATIO
universal combined machines **52**

VERSATILITY AND EASE OF USE
spindle moulders **58**

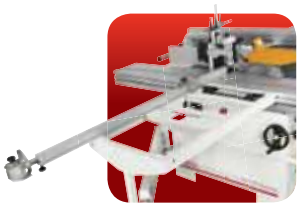
PERFORMANCE WITHOUT LIMITS
circular saws **56**

THE COMPACT SOLUTIONS WITH HIGH PRECISION AT LOWER INVESTMENT
combined machines **54**

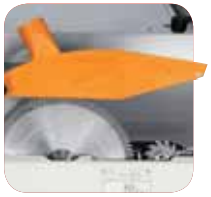
classic
universal
combined machines
cu 410
cu 300

		cu 410 classic	cu 300 classic
Planer useful working width	mm	410	300
Total length of surfacing tables	mm	1800	1510
Max. saw blade diameter with **scoring blade installed**	mm	315	315
Squaring stroke	mm	1660 ÷ 2660	1660 ÷ 2660
Max. spindle length	mm	100	100
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 64



Squaring Frame and Fence
maximum performance



Saw Unit
performance without limits

Surfacing Tables Opening
exceptional accessibility

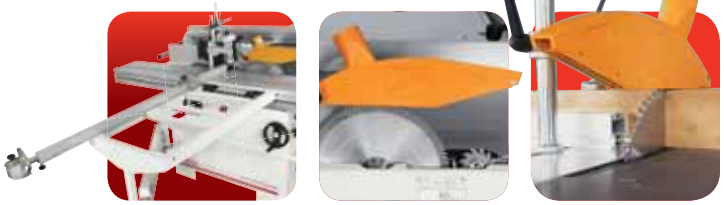
5 kW Power
provided as standard

The best price to performances ratio with the essentiality and practicality required by DIY woodworkers and craftsmen.

classic
combined machines
st 3 saw-spindle moulder
fs 41 surfacing-thicknessing planers
fs 30

		st 3 classic	fs 41 classic	fs 30 classic
Max. saw blade diameter with **scoring blade installed**	mm	315	-	-
Squaring stroke	mm	1660 ÷ 2660	-	-
Max. spindle length	mm	100	-	-
Planer useful working width	mm	-	410	300
Cutter block diameter (mm)/no. of standard knives	mm/n.	-	72 / 3	72 / 3
Total length of surfacing tables	mm	-	1800	1510
Min. ÷ max. working height on thicknesser	mm	-	3 ÷ 230	3 ÷ 230
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	4 (4,8) / 50 (60)	4 (4,8) / 50 (60)

Find the complete technical specification at page 64



Squaring Frame and Fence
maximum performance

Saw Unit
performance without limits

5 kW Power
provided as standard

Planer Cutter Block
best result

Surfacing Fence
absolute rigidity

Compact and highly precise solutions with a low investment.

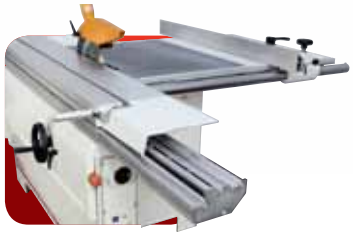
classic
circular saws
sc 3
sc 2

		sc 3 classic	sc 2 classic
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 64

Saw Unit
performance without limits

Digital Readout
high-tech devices



Sliding Table
exclusive

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

classic
spindle moulders

t 45 w with fixed or tilting spindle
t 45 with fixed spindle

		t 45 w classic	t 45 classic
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 64

Spindle Moulder
any type of machining

Frame Support
optimal support

Table Extensions
optimal support

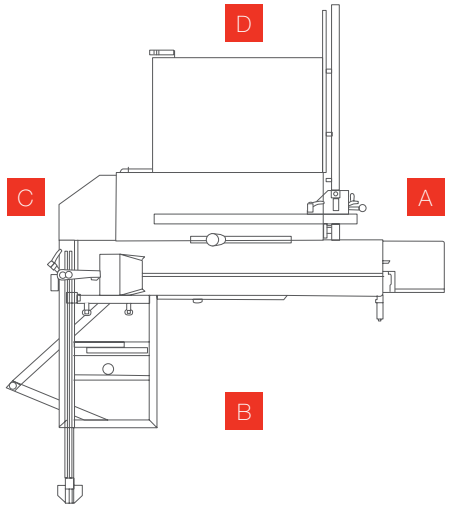
Versatility and ease of use of the spindle moulders, ideal for DIY woodworkers and craftsmen.

classic operating groups

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

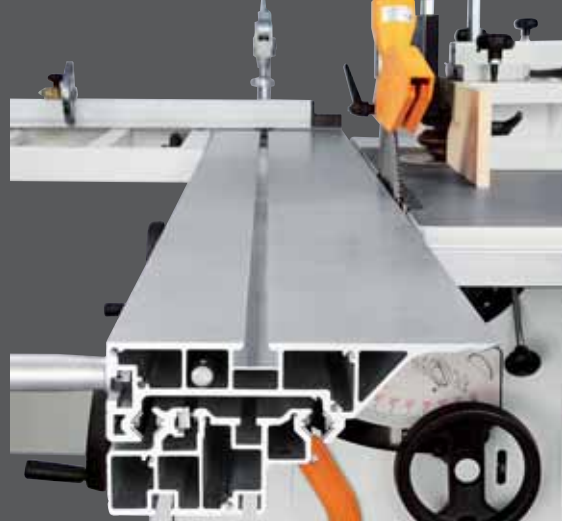
performance without limits

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!**

Machining	Maximum value according to the CE norms	Position A	Position B	Position C	Position D
Strips cut	2 mg/m³	0.08 mg/m³	0.10 mg/m³	0.04 mg/m³	0.16 mg/m³



exclusive

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.

maximum performance as standard

Squaring Frame and Fence.
The sc 2 classic 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 300 and 410 classic are equipped with a saw-planer multifunction fence, designed to be easily positioned and removed to allow **rapid work changeover.**
Precise and rapid positioning with the parallel fence with a **round sliding bar**, in rectified steel and complete with "high rigidity" cast iron support, standard for all the other Classic machines. (see picture)

classic operating groups

optimal planing

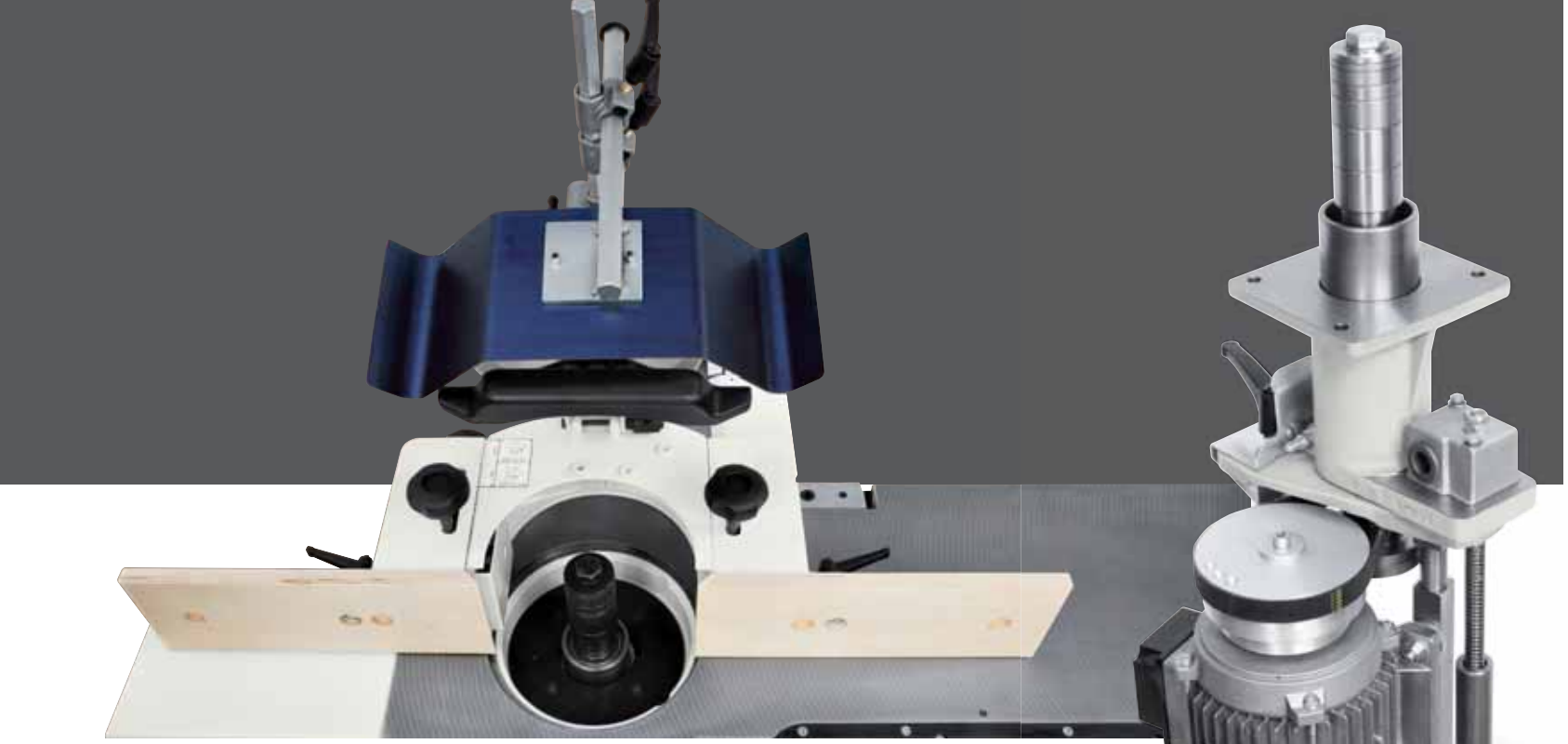
Planer Cutter Block.
The planer unit in the standard version has a 72 mm diameter cutter block with 3 knives (the optional "Tersa" cutter block is available with quick tightening knives and automatic adjustment). For an impeccable result, the pressure of the thicknesser feed rollers can be adjusted according 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 30 and 41 classic surfacing fences made of extruded aluminum with respectively 1300 and 1670 mm length.

exceptional accessibility

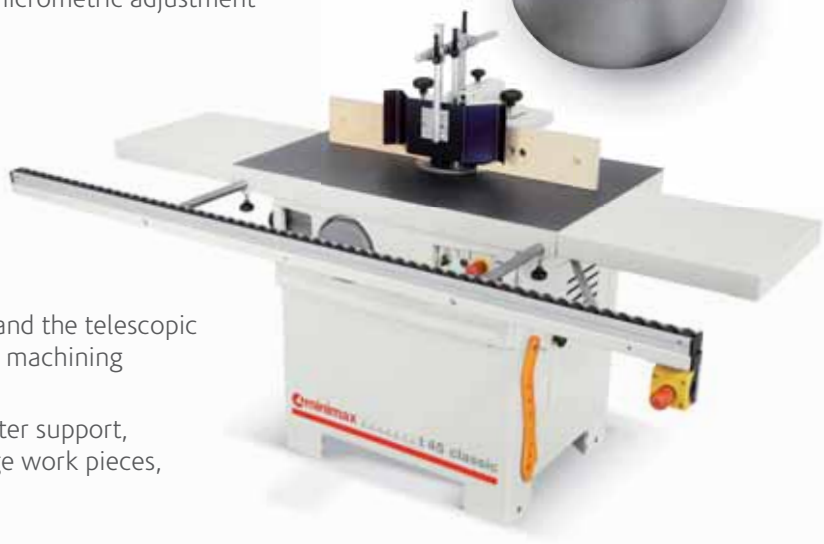
Surfacing Tables Opening.
Thicknessing is more comfortable: during the changeover from surfacing to thicknessing **the surfacing tables open towards the inside of the machine, with a 90° angle, and simultaneously.** Work pieces with a maximum height of 230 mm can be machined to the thicknesser. **The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



On request, it is available the 45° tilting spindle, toward the inside of the machine (for st 3 and t 45 w classic only).

professional and very sturdy

Spindle Moulder Unit.
The unit has a cast iron structure. It is closed off by a cast iron "cup" to **protect mechanical components inside the machine** from sawdust, shavings and dirt. **Precise and safe machining** with the spindle moulder fence with micrometric adjustment complete with vertical and horizontal pressers.

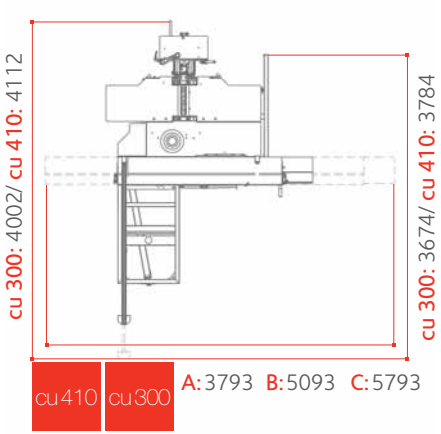


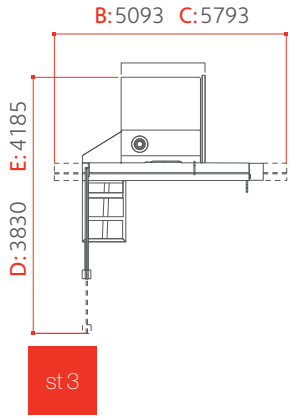
customisable for any requirement

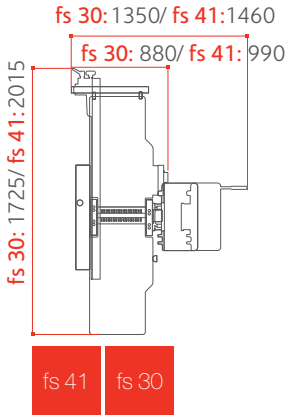
Table Extensions and Frame Support.
On t 45 classic, the table extensions at outfeed and infeed and the telescopic front support with support rollers (options) make easier the machining of large dimensions work pieces.

The 270 mm sliding table on t 45 w classic, 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



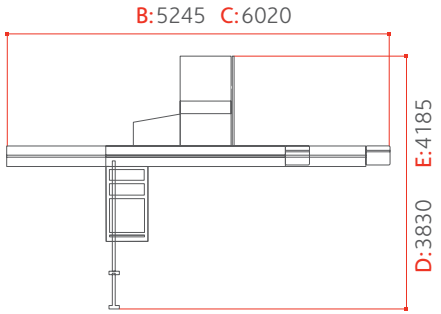




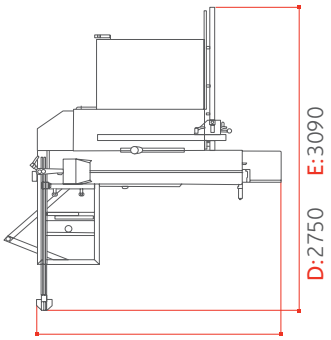
A with wagon 1600 mm
B with wagon 2250 mm
C with wagon 2600 mm
D with 900 mm cutting width*
E with 1270 mm cutting width*
**at the parallel fence*

		cu 410 classic	cu 300 classic
planer			
Working width	mm	410	300
Cutter block diameter (mm)/no. of standard knives	mm/n.	72 / 3	72 / 3
Dimensions of standard knives	mm	410 x 30 x 3	300 x 30 x 3
Max. stock removal	mm	4	4
Surfacing tables total length	mm	1800	1510
Thicknessing table dimensions	mm	410 x 605	300 x 585
Feed speed on thicknesser	m/min	7	7
Min. ÷ max. working height on thicknesser	mm	3 ÷ 230	3 ÷ 230
circular saw			
Cast iron saw-spindle moulder worktable dimensions	mm	1115 x 335	1115 x 335
Saw blade tilting		90° ÷ 45°	90° ÷ 45°
Max. saw blade diameter **with scoring blade installed**	mm	315	315
Max. saw blade projection from table at 90°/45°	mm	100 / 79	100 / 79
Squaring stroke	mm	1660 ÷ 2660	1660 ÷ 2660
Cutting width on parallel fence	mm	900	820
spindle moulder			
Max. useful spindle length	mm	100	100
Spindle moulder speed (at 50 Hz)	rpm	3500 / 7000 / 10.000	3500 / 7000 / 10.000
Max. tool diameter when profiling	mm	210	210
Max. diameter of tool lowered under the table at 90°	mm	180	180
Max. tool diameter when tenoning	mm	275	275
other technical features			
Three-phase motors 4 kW (5,5 hp) 50 Hz - 4,8 kW (6,5 hp) 60 Hz		-	-
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		S	S
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
Exhaust outlets diameter	mm	120	120

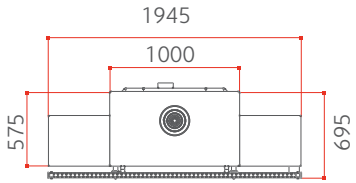
S Standard
O Option



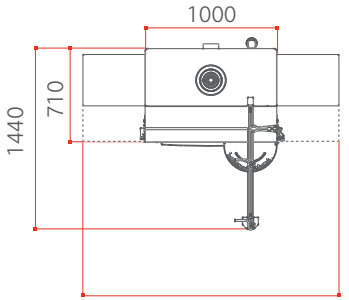
sc 3



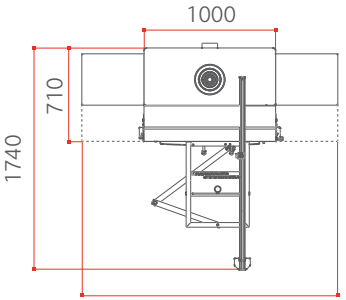
sc 2



t 45



t 45 w



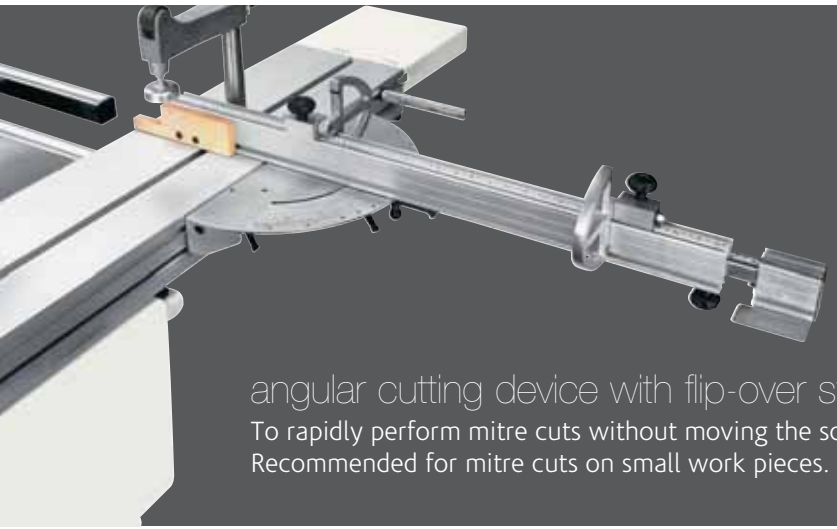
t 45 w
with support frame

st 3 classic	fs 41 classic	fs 30 classic	sc 3 classic	sc 2 classic	t 45 w classic	t 45 classic
-	410	300	-	-	-	-
-	72 / 3	72 / 3	-	-	-	-
-	410 x 30 x 3	300 x 30 x 3	-	-	-	-
-	4	4	-	-	-	-
-	1800	1510	-	-	-	-
-	410 x 605	300 x 585	-	-	-	-
-	7	7	-	-	-	-
-	3 ÷ 230	3 ÷ 230	-	-	-	-
1115 x 430	-	-	840 x 560	1020 x 325	-	-
90° ÷ 45°	-	-	90° ÷ 45°	90° ÷ 45°	-	-
315	-	-	315	315	-	-
100 / 79	-	-	100 / 79	100 / 79	-	-
1660 ÷ 2660	-	-	2310 ÷ 2660	1660	-	-
900 ÷ 1270	-	-	900 ÷ 1270	900 ÷ 1270	-	-
100	-	-	-	-	100	100
3500 / 7000 / 10.000	-	-	-	-	3500 / 7000 / 10.000	3500 / 7000 / 10.000
210	-	-	-	-	210	210
180	-	-	-	-	180	180
275	-	-	-	-	275	-
-	S	S	-	S	-	-
S	O	O	S	O	S	S
O	O	O	O	O	O	O
O	O	O	O	O	O	O
120	120	120	120	120	120	120

classic main optional devices

additional table on the sliding carriage

For the support of 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.

digital readout for the fence position on the parallel fence

It allows precise positioning with the magnetic strip sensor.

professional fences unit

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.

cast iron mortiser

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

"Xilent" 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

"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.

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 memory system. The fence, besides, uses an adjustment system through rack and it has a mechanical readout. The maximum 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)

tenoning table and protection hood

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

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

wheels for machine movement

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.

classic main optional devices

S Standard
O Option

	cu 410 classic	cu 300 classic	st 3 classic	fs 41 classic	fs 30 classic	sc 3 classic	sc 2 classic	t 45 w classic	t 45 classic
Angular cutting device with flip-over stops	O	O	O	-	-	O	O	-	-
Digital readout for the fence position on the parallel fence	-	-	O	-	-	O	O	-	-
Additional table on the sliding carriage	O	O	O	-	-	O	O	-	-
Overhead blade protection	-	-	O	-	-	O	O	-	-
Professional guides unit	O	O	-	-	-	-	-	-	-
"Tersa" cutter block	O	O	-	O	O	-	-	-	-
"Xilent" spiralknife cutter block with 3 series of knives	O	O	-	O	O	-	-	-	-
Maintenance case for "Xylent" spiralknife	O	O	-	O	O	-	-	-	-
Cast iron mortiser	O	O	-	O	O	-	-	-	-
Self-centering chuck 0-16 mm “Wescott” type	O	O	-	O	O	-	-	-	-
Three movement adjustable spindle moulder fence	-	-	-	-	-	-	-	O	O
Tenoning table and protection hood	O	O	O	-	-	-	-	O	-
Electric pre-setting and flip over support for feeder	O	O	O	-	-	-	-	O	-
Interchangeable spindle	O	O	O	-	-	-	-	O	O
Wheels for machine movement	O	O	O	O	O	-	-	-	-

lab 300 plus

Once upon a time there was the combined machine now there is the lab 300 plus!

PRECISION, RELIABILITY
AND SAFETY

universal combined machine **72**

lab 300 plus
universal
combined machine

		lab 300 plus
Planer useful working width	mm	300
Total length of surfacing tables	mm	1300
Max. saw blade diameter with **scoring blade installed**	mm	315
Squaring stroke	mm	1660
Max. spindle length	mm	100
Three-phase motors starting from	kW/Hz	4 (4,8) / 50 (60)

Find the complete technical specification at page 75

Saw Unit
best cutting

Spindel Moulder
superior performances

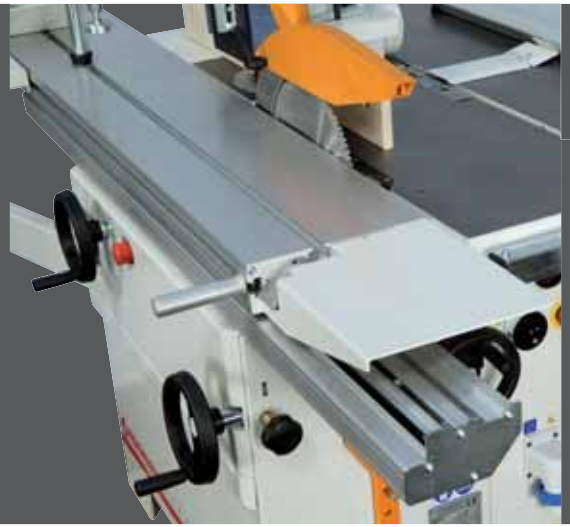
Surfacing Tables Lifting
higher efficiency

Once there was the combined machine, now Minimax has defined the most advanced technological standards in terms of precision, reliability and safety.

lab 300 plus operating groups

higher efficiency

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.**



superior performances

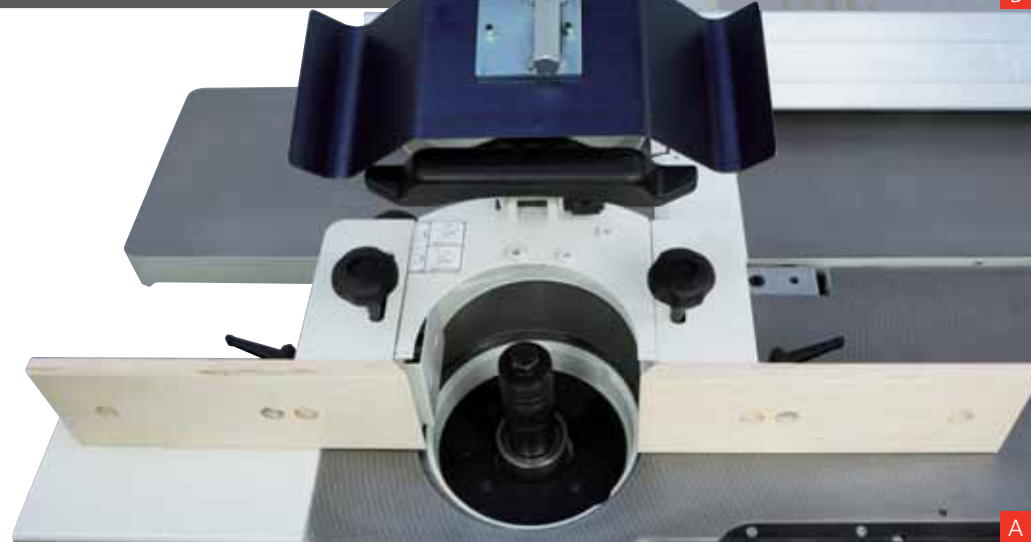
Spindle Moulder.
The unit (A) has a spindle with a useful working length of 100 mm. A tool with a maximum diameter of 180 mm can be retracted under the worktable. For machine maximum safety and increased flexibility, a **spindle moulder protective hood for shaping (B) is supplied as standard.**

B

best cutting

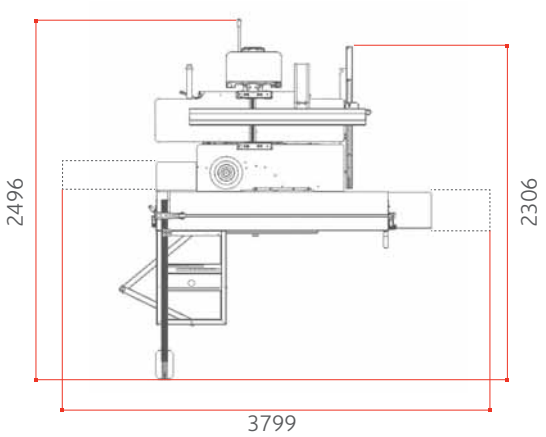
Saw Unit.
New saw unit with a **blade that has a maximum diameter of 315 mm with the scoring blade installed.** The new scoring unit can be supplied on request and **can easily be adjusted from outside the machine.**

Easier, more precise cutting is possible thanks to perfectly stable support guaranteed, even for large work pieces, by the **270 mm wide sliding table.**



A

lab 300 plus dimensions and technical data



S Standard
O Option

		lab 300 plus
planer		
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		O
Single-phase motors S1 3,6 kW (4,8 hp) 60 Hz		O
Exhaust outlets diameter	mm	120

lab 300 plus
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
- exhaust hood, 120 mm diameter

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.

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.

additional table on the sliding carriage

For the support of large dimensioned panels.

professional fences unit

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.

"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.

"Xilent" 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

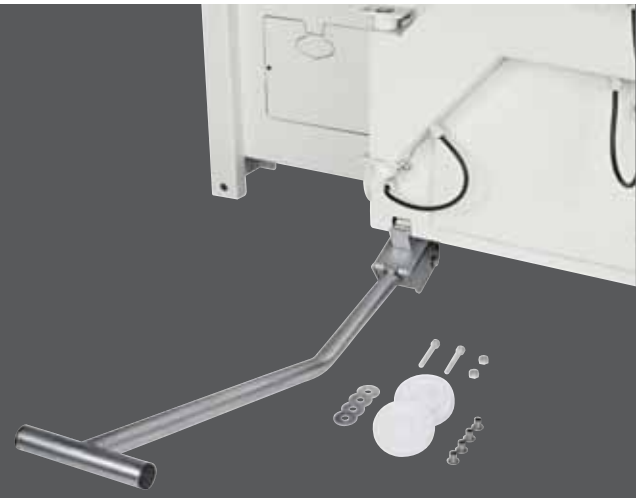
The mortiser spindles can be rapidly substituted without the necessity of adjustment.

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

wheels for machine movement



genius

all the minimax quality at the more accessible price

IDEAL FOR DEMANDING HOBBYIST AND CRAFTSMEN

combined machines and circular saw **82**

PRACTICAL AND COMPACT

universal combined machines **80**

genius
universal
combined machines
c 30
c 26

		c 30 genius	c 26 genius
Planer useful working width	mm	300	260
Total length of surfacing tables	mm	1200	1040
Max. saw blade diameter	mm	250	250
Squaring stroke	mm	1200	1200
Max. spindle length	mm	75	75
Three-phase motors starting from	kW/Hz	1,8 (2,2) / 50 (60)	1,8 (2,2) / 50 (60)

Find the complete technical specification at page 86

Saw Unit
cutting precision

Surfacing Planer
fully equipped

Thicknessing Planer
practical and ergonomic

Spindle Moulder
flexibility

Shaping Fence
safety first

Mortiser
functional

The practical and compact woodworking machines with all the Minimax quality at the more accessible price, ideal for demanding DIY woodworkers and craftsmen.

genius
combined machines
circular saw
fs 30
st 1
sc 1

surfacing-thicknessing planer
saw-spindle moulder
circular saw

		fs 30 genius	st 1 genius	sc 1 genius
Planer useful working width	mm	300	-	-
Total length of surfacing tables	mm	1200	-	-
Max. saw blade diameter	mm	-	250	250
Squaring stroke	mm	-	1200	1200
Max. spindle length	mm	-	75	-
Three-phase motors starting from	kW/Hz	1,8 (2,2) / 50 (60)	1,8 (2,2) / 50 (60)	1,8 (2,2) / 50 (60)

Find the complete technical specification at page 86

Saw Unit
cutting precision

Surfacing Planer
fully equipped

Thicknessing Planer
practical and ergonomic

Spindle Moulder
flexibility

Shaping Fence
safety first

Mortiser
functional

genius operating groups

cutting precision

Saw Unit.
Tilting saw unit with a 250 mm blade and a maximum blade projection from table at 90° of 80 mm. The saw unit can be raised and tilted using convenient hand-wheels. The anodized aluminum sliding table, with a 1200 mm stroke, slides **next to the blade**, thus ensuring better cutting precision.

practical and ergonomic

Thicknessing Planing.
To keep the machine compact and make machining easier, the surfacing table opens towards the inside of the machine. Thanks to an efficient feed system, the thicknessing unit can process wood up to 200 mm thick.

functional and customisable

A machine even more versatile: with the practical **mortiser** (option) drilling holes or mortises are easily done.

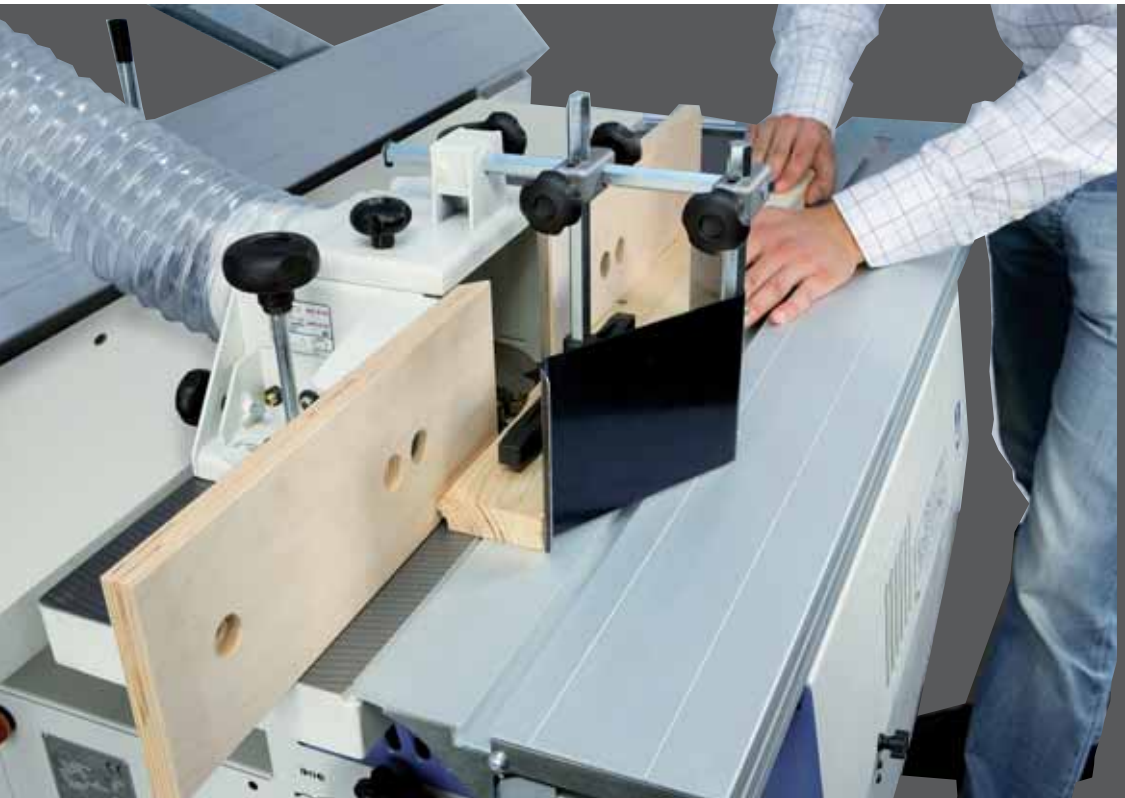
safety first

Genius machines have many **safety devices according to CE norms**, as like as the spindle moulder guard for curved profiles and moulding shapes.

fully equipped

Surfacing Planing.

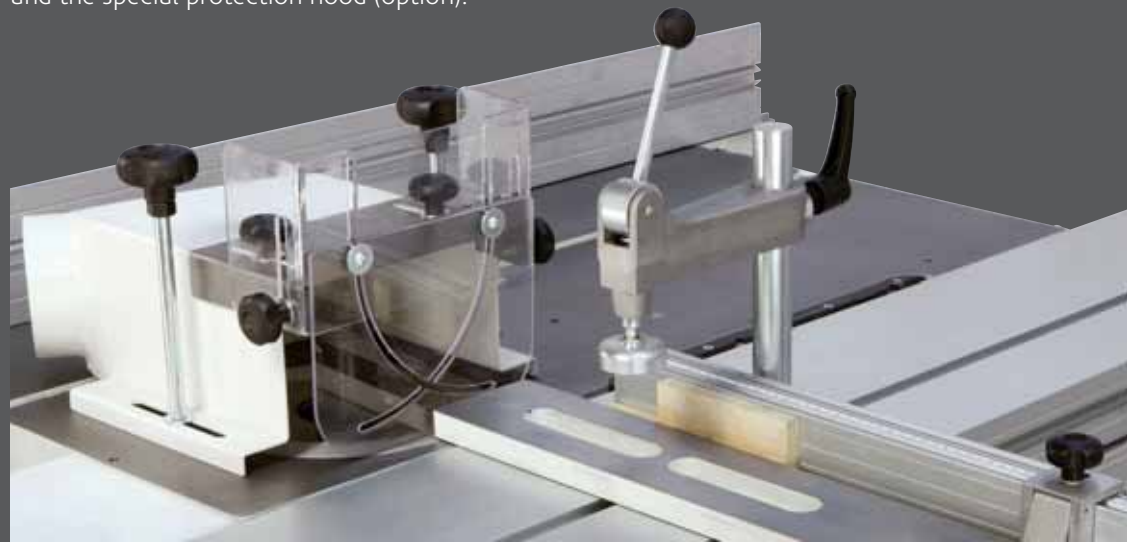
The planer unit has a cutter block with 2 re-usable knives (the "Tersa" disposable knives system with 3 knives and rapid clamping is available as an option). Genius machines also have saw-planer fences with an anodized aluminum extrusion and a support with clamp for fast positioning.



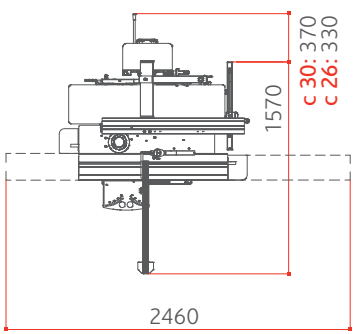
flexibility

Spindle Moulder.

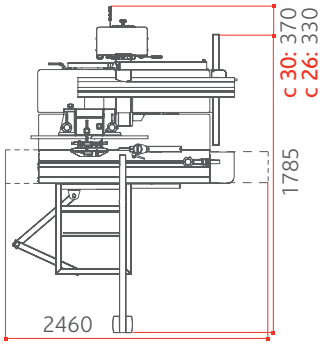
Maximum flexibility in spindle moulder tool use, with the unit with 2 speed (5000/7500 rpm). The machines have a spindle moulder fence with micrometric adjustment, a feature which is particularly useful on profiling jobs.
Tenoning is easy too, thanks to the aluminum sliding table, the right speed setting and the special protection hood (option).



genius dimensions and technical data

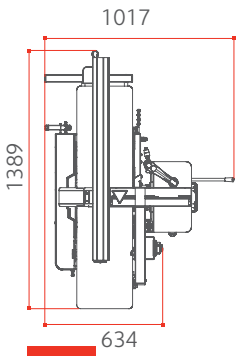


c 30 | c 26

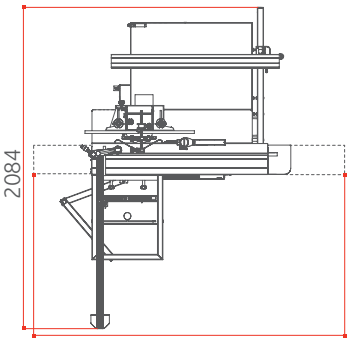


c 30
c 26

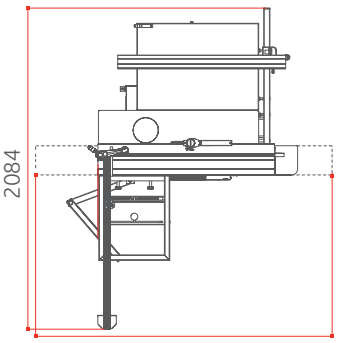
with support frame



fs 30



st 1



sc 1

S Standard
O Option

		c 30 genius	c 26 genius	fs 30 genius	st 1 genius	sc 1 genius
planer						
Working width	mm	300	260	300	-	-
Cutter block diameter (mm)/no. of standard knives	mm/n.	62 / 2	62 / 2	62 / 2	-	-
Dimensions of standard knives	mm	300 x 25 x 3	260 x 25 x 3	300 x 25 x 3	-	-
Max. stock removal	mm	3	3	3	-	-
Surfacing tables total length	mm	1200	1040	1200	-	-
Thicknessing table dimensions	mm	300 x 450	260 x 450	300 x 450	-	-
Feed speed on thicknesser	m/min	6	6	6	-	-
Min. ÷ max. working height on thicknesser	mm	3 ÷ 200	3 ÷ 200	3 ÷ 200	-	-
circular saw						
Cast iron saw-spindle moulder worktable dimensions	mm	1024 x 224	1024 x 224	-	1024 x 224	1024 x 224
Saw blade tilting		90° ÷ 45°	90° ÷ 45°	-	90° ÷ 45°	90° ÷ 45°
Max. saw blade diameter **with scoring blade installed**	mm	250	250	-	250	250
Max. saw blade projection from table at 90°/45°	mm	80 / 64	80 / 64	-	80 / 64	80 / 64
Squaring stroke	mm	1200	1200	-	1200	1200
Cutting width on parallel fence	mm	540	500	-	700	700
spindle moulder						
Max. useful spindle length	mm	75	75	-	75	-
Spindle moulder speeds (at 50 Hz)	rpm	5000 / 7500	5000 / 7500	-	5000 / 7500	-
Max. tool diameter when profiling	mm	160	160	-	160	-
Max. diameter of tool lowered under the table at 90°	mm	145	145	-	145	-
Max. tool diameter when tenoning	mm	200	200	-	200	-
other technical features						
Three-phase motors 1,8 kW (2,5 hp) 50 Hz – 2,2 kW (3 hp) 60 Hz		S	S	S	S	S
Three-phase motors 2,2 kW (3 hp) 50 Hz – 2,6 kW (3,6 hp) 60 Hz		O	O	O	O	O
Single-phase motors 1,8 kW (2,5 hp) 50 Hz		O	O	O	O	O
Single-phase motors S1 1,8 kW (2,5 hp) 60 Hz		O	O	O	O	O
Exhaust outlets diameter	mm	120	120	120	120	120


Saccottino

genius main optional devices

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

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

"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.

tenoning table and protection hood

For the tenoning operations on the spindle moulder. It consists of:
- table
- protection hood for tools, 200 mm diameter
- exhaust hood, 120 mm diameter

"Xilent" 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.

wheels for machine movement

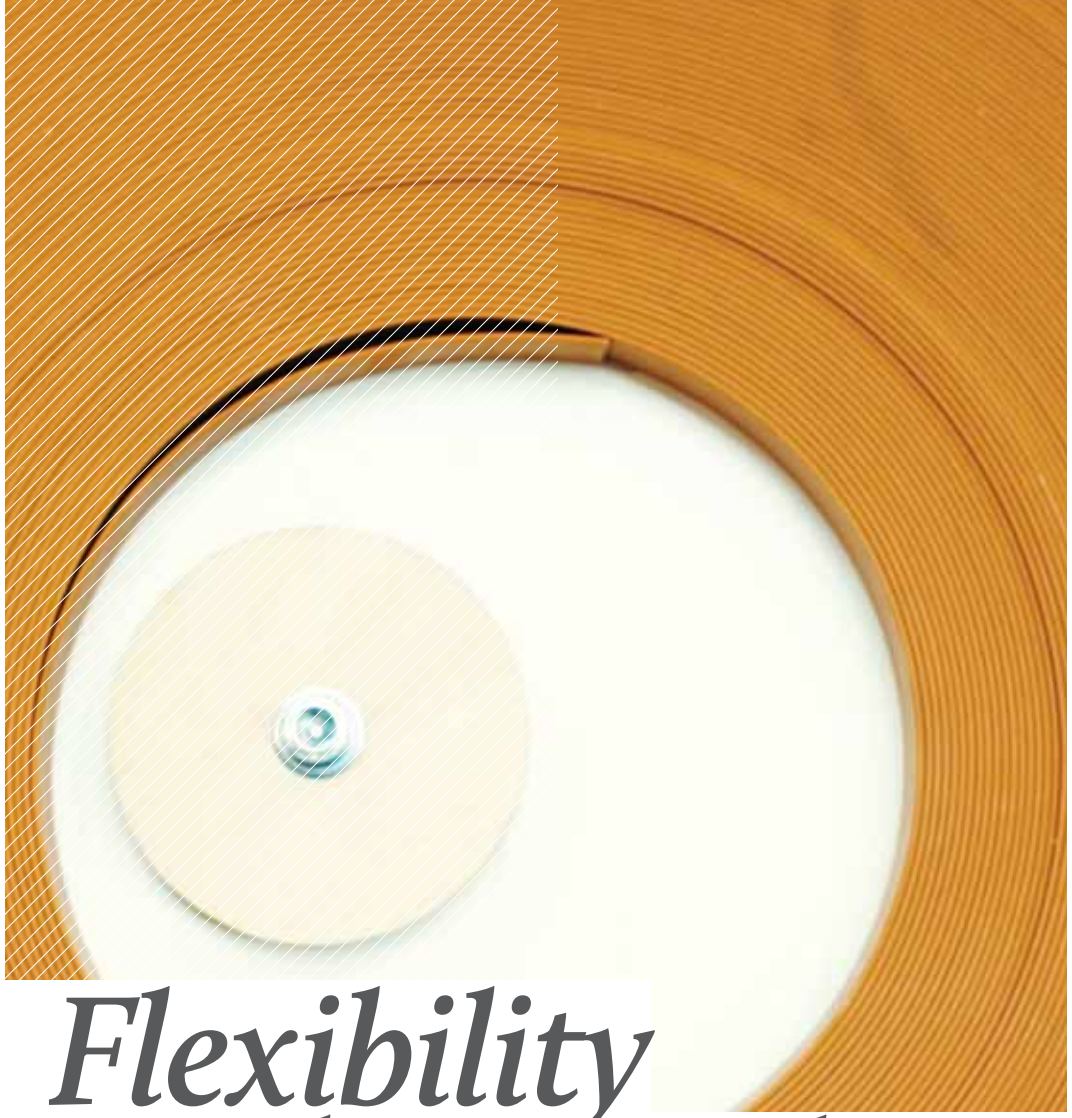
genius main optional devices

S Standard
O Option

	c 30 genius	c 26 genius	fs 30 genius	st 1 genius	sc 1 genius
“Tersa” cutter block	O	O	O	-	-
"Xilent" spiralknife cutter block with 3 series of knife	O	O	O	-	-
Maintenance case for "Xilent" spiralknife	O	O	O	-	-
Self-centering chuck 0-16 mm “Wescott” type	O	O	O	-	-
Tenoning table and protection hood	O	O	-	O	-
Wheels for machine movement	O	O	-	-	-

special machines

edge
banders
me 35



Flexibility in Edge Banding.

		me 35
Thickness of rolled edges	mm	0,4 ÷ 3
Max. thickness of edges in strips	mm	5
Min. ÷ max. panel height	mm	8 ÷ 50
Min. panels length/width with rolled edges	mm	190 / 110
Feed speed	m/min	7

Find the complete technical specification at page 101

Conveying Track
perfect finish

Gluing Unit
superior performance

High Frequency
reliability and precision

"Radius" End-Cutter
brilliant idea

Grooves Unit
Innovative

Ease-of-use automatic edge bander, also with edging solid wood strips up to 5 mm thickness, offers the "very best" performance in edge banders at this level. The features, makes it the perfect edge bander for small woodworking, furniture and panel processing companies.

edge banders
me 25
me 20

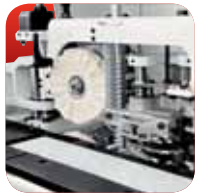
		me 25	me 20
Thickness of rolled edges	mm	0,4 ÷ 3	0,4 ÷ 2
Max. thickness of edges in strips	mm	5	5
Min. ÷ max. panel height	mm	12 ÷ 50	12 ÷ 50
Min. panels length/width with rolled edges	mm	190 / 65	180 / 65
Feed speed	m/min	7	6

Find the complete technical specification at page 101

Gluing Unit
efficient

End-Cutting Unit
practical and precise

Trimming Unit
excellent finishing



Finishing Units
superior quality

Control Panel
ease-of-use

Automatic edge bander with glue pot to edge band, with great flexibility, with melamine edges, PVC and ABS up to 3 mm and wooden strips up to 5 mm.

edge banders operating groups

perfect edge joint line

Panel Edge Trimming Unit . me 35 T

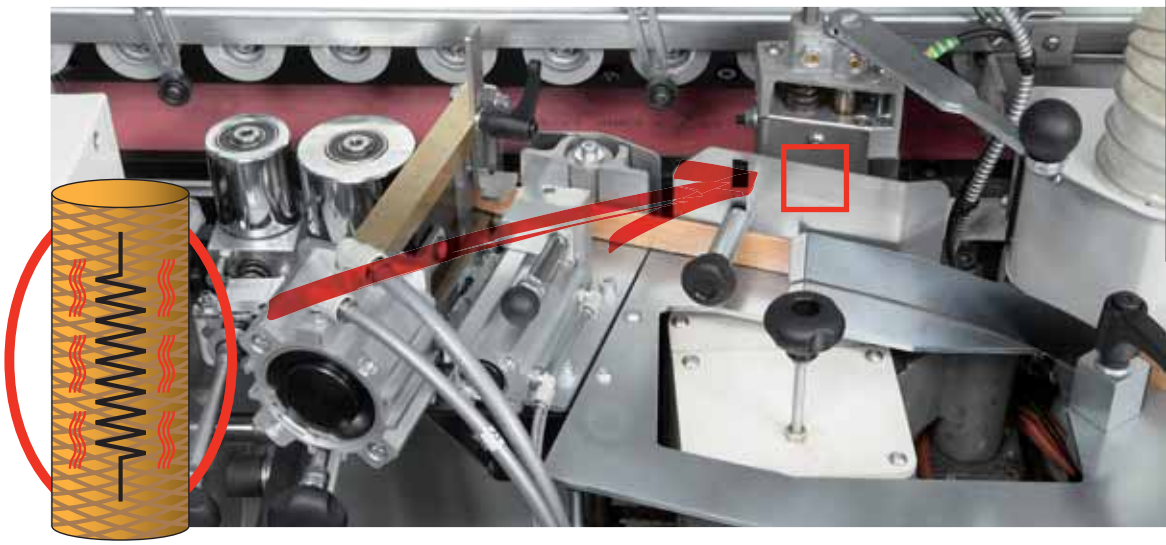
Panel edge surface without any imperfections before the gluing operation.
Utilizes 2 tools with opposing rotation and timed intervention that, through the removal operation, corrects any panel imperfections caused by the saw cutting process and panel storage. The independent exhaust system and the air blowing device removes dust and chips from the panel.

- Widia cutters available as standard feature; diamond cutters available as optional device.
- No. 4 different thickness removals: 0,5 / 1 / 1,5 / 2 mm.

designed for a perfect finish

Panel Conveying Track. me35/me 25

The very best finishing of the panel edge is also guaranteed by the panel conveying track (exclusive solution), which prevents the panel having the feed affected by the typical pulses generated by the pinion of a traditional feed track and ensures a smooth and linear panel movement.



simple and intuitive

Control System.

Error-free machining is ensured by the control panel positioned on the front of the machine, that allows an easy selection of all the main functions, among them, the operating units switching on and off. The PLC guides the operator during maintenance, cleaning, diagnostic operations, etc.

deal edge application

Gluing Unit.

The glue is heated rapidly and evenly by the resistances. The **automatic lowering of the glue temperature** after a temporary halt in production when using the machine avoids burning of the glue. A new **innovative system of self-lubrication of the glue pot**, allows a more extensive use of the edge banding machine without the necessity of lubrication. Two rollers press the edge banding evenly and efficiently on to the panel edge. The glue spreading roller with electrical resistance inside provides a uniform glue spread and always at the maximum working temperature even on panels at the maximum working height.

always precise when cutting

End Cutting Unit.

Me 35: the unit is equipped with a blade and a high frequency motor to provide the **best finishing quality** of the machined edge. Furthermore, the absence of belts or other driving systems prevents any vibration assuring **the best results at all times**. (A)

Me 25: absolute precision offered by the unit, with a cutter and an independent asynchronous motor. (B)

Me 20: the efficient cutter ensures cutting always accurate. The reference is taken directly on the panel itself; consequently it doesn't require any adjustment. (C)


A


B


C

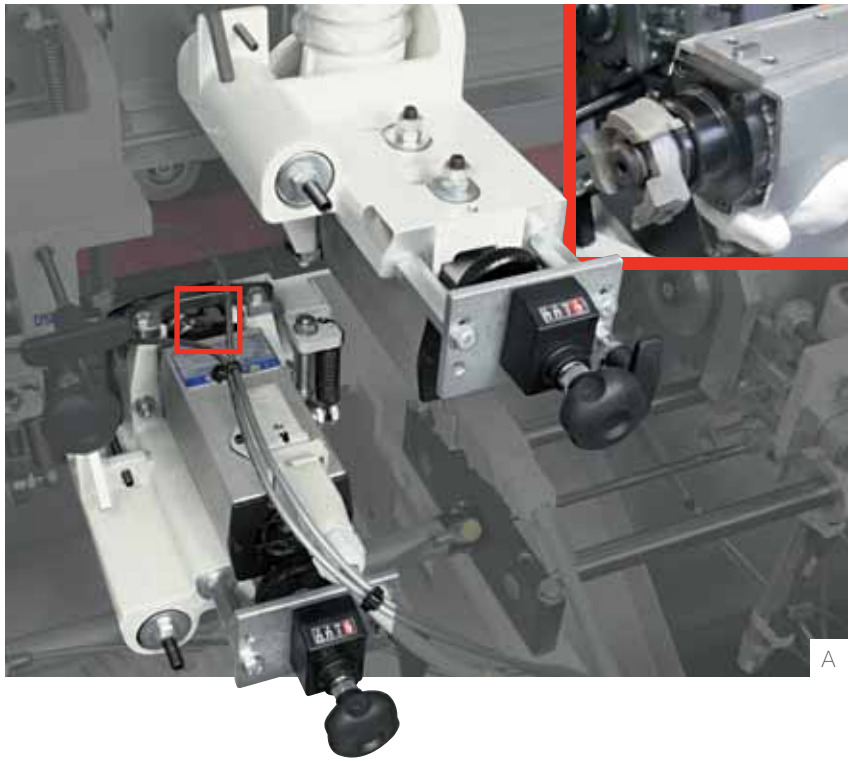
quality finishing and versatility

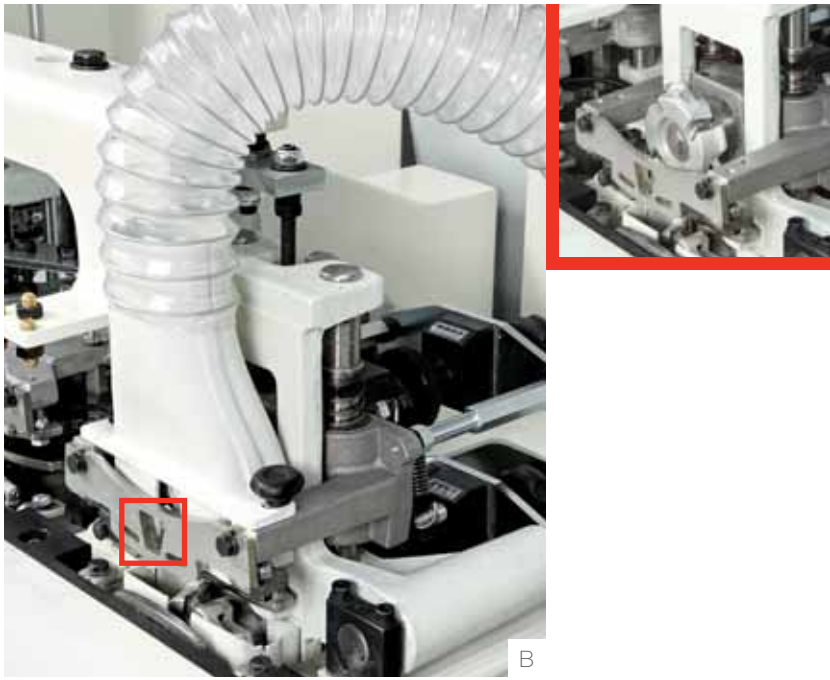
Trimming Unit.

Me 35: Very high edge quality finishing with the **vertical disc copying pads. The high frequency motors** generate high cutter rotating speed, reducing to a minimum any marks left from trimming and guaranteing the absence of vibrations. (A)

Me 25 and **Me 20**: the unit functions with slide copying to align perfectly to the work piece. (B)

The cutters are designed for straight or radius trimming of any type of edge, whether it is thick or thin, made of PVC, ABS, melamine, laminate or wood. The edge thickness is easily set by means of two numerical readouts.


A


B

edge banders optional operating groups

ease-of-use

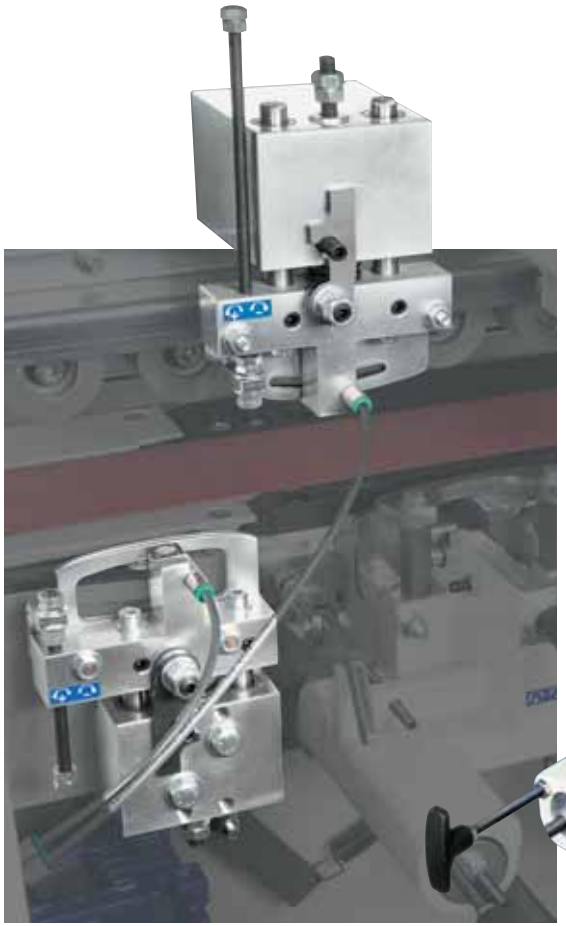
Automatic Loading for Edges in Strips. me 35/me 25
The solid wood strips are automatically loaded and synchronized with the introduction of the panels into the machine.

optimal finishing

Brushing Unit. me 35/me 25
With tilted, vertically adjustable motors to optimize the cleaning/polishing action on the panel edge.

perfect edge cleaning

Glue Scraping unit. me 35
It eliminates any excess glue on the panel/edge joint.



perfect radius on pvc/abs edges

Edge Scraping Unit. me 35/me 25
High finishing quality of plastic material edges thanks to the radius knives that ensure the complete elimination of any marks left from the trimming unit tools, all equipped with a **front and vertical disc copiers (me 35)**, and a user-friendly device for exclusion of the unit when it is not in use.

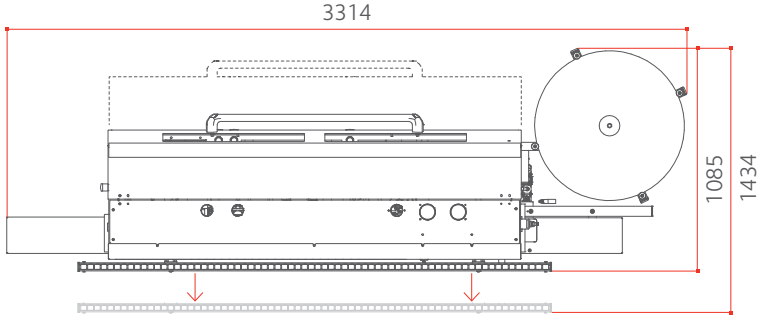
brillant idea

End-Cutting Unit with "Radius". me 35
The optional unit allows you to make a radius on the corners of the edged panel without the need for the operator to have to finish by hand at a later stage: brillant idea to a finished product of high quality.

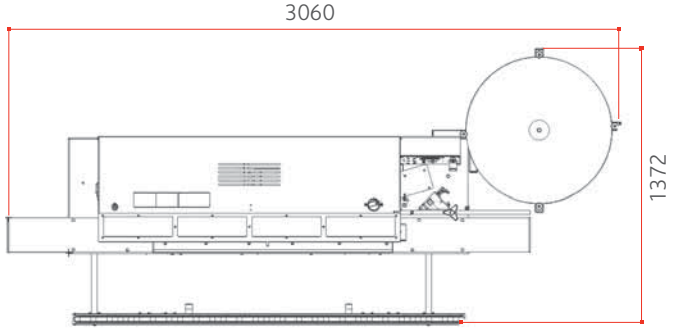
innovation at everybody's reach

Grooving Unit. me 35
The optional unit is able to perform a slot on the panel directly on the edging process, **without having to sacrifice the finishing and cleaning units.**

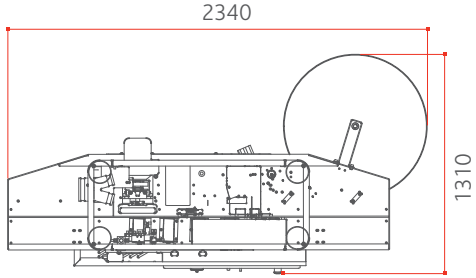
edge banders dimensions and technical data



me 35



me 25



me 20

		me 35	me 25	me 20
Worktable dimensions	mm	3000 x 525	2600 x 530	1950 x 180
Worktable height	mm	904	904	904
Roll-feed edge thickness	mm	0,4 ÷ 3	0,4 ÷ 3	0,4 ÷ 2
Max. thickness of edges in strips	mm	5	5	5
Min. ÷ max. panel height	mm	8 ÷ 50	12 ÷ 50	12 ÷ 50
Min. panels lenght/width with roll-feed edge	mm	190 / 110	190 / 65	180 / 65
Min. panel length cut only on the front	mm	120	120	120
Feed speed	m/min	7	7	6
Feeder motor power (S1)	kW	0,55	0,55	0,25
Pneumatic operating pressure	bar	6,5	6,5	6,5
Working temperature	°C	20 ÷ 190	20 ÷ 190	20 ÷ 190
pre-milling unit (me 35 T)				
Motor power (S1)	kW	2,2	-	-
Cutters rotating speed	rpm	9.000	-	-
N. 2 widia cutters (std)		Ø 80 mm H=56 Z2	-	-
N. 2 diamond cutters (opt)		Ø 80 mm H=56 Z2	-	-
Stock removals	mm	0,5 / 1 / 1,5 / 2	-	-
glue pot unit				
Motor power (S1)	kW	0,18	0,18	0,18
Glue capacity	kg	~ 0,8	~ 0,8	~ 0,8
end-cutting unit				
Motor power (*high frequency motor)	kW	0,19*	0,37	-
End-cutting blade		Ø 125 mm Z20	Ø 90 mm Z20	-
Blade rotating speed	rpm	12.000	12.000	-
trimming unit				
Upper/lower motor power (*high frequency motor)	kW	2 x 0,35*	2 x 0,75	2 x 0,55
Widia cutters		Ø 55,3 mm Z3	Ø 75 mm Z4	Ø 75 mm Z4
Cutters rotating speed	rpm	12.000	12.000	12.000
additional technical features				
Exhaust outlet pre-milling unit (me 35 T), number/diameter	n./mm	2 / 80	-	-
Exhaust outlet glue pot unit diameter	mm	60	60	60
Exhaust outlet trimming unit number/diameter	n./mm	2 / 60	-	-
Exhaust outlet on base structure diameter	mm	-	120	120

drilling machine
advance 21

For all Drilling Requirements.

		advance 21
Max. panel width under the bridge	mm	833
Worktable dimensions	mm	905 x 372
Worktable height	mm	900
Max. tool diameter	mm	40
Min.-max. panel height	mm	10 ÷ 85
Spindles speed rotation	rpm	2800

Find the complete technical specification at page 105

Drilling Head
perfect drilling operation

Cleaning System
very high efficiency

Group for Hinges
high-tech devices

Single-head multi-boring machine with 21 spindles. Ideal solution for woodworking shops and demanding craftsmen.

advance 21 operating groups

perfect drilling

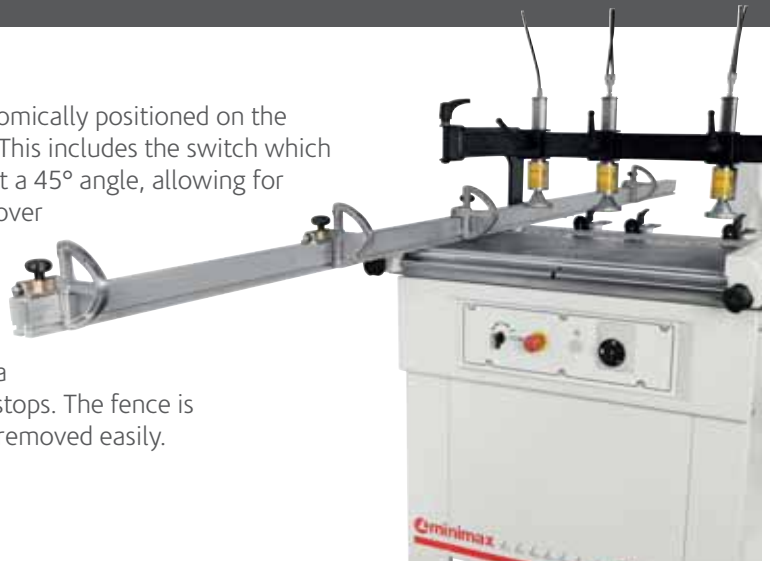
Drilling Head.
Drilling head made from single-piece aluminium casting, to guarantee absence of vibrations. The boring unit runs on two rectified cylindrical guides which guarantee stability and precision. The machine is equipped with a mechanical revolver with 5 different boring depth adjustments. The **new dust extraction system is incredibly efficient**, and leaves the machine surprisingly clean!

A perfect vertical, horizontal and at 45° drilling operation.

Bits replaced quickly and easily!
The machine has 21 quick-change chucks.

The mechanical gauge guarantees fast and precise positioning of the lateral fences.

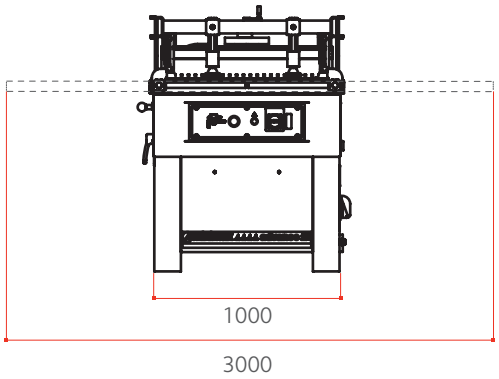
All controls are ergonomically positioned on the front of the machine. This includes the switch which sets the boring head at a 45° angle, allowing for an immediate changeover between operations.
For perfect boring of large panels, the machine has a long 3000 mm fence with a scale and retractable stops. The fence is quickly mounted and removed easily.

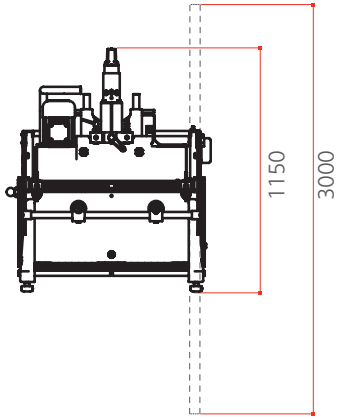


high-tech devices

Groups for Hinges.
For increased versatility, the quick-change chucks can be fitted with various types of bits for different operations, like boring hinges locations.

advance 21 dimensions and technical data





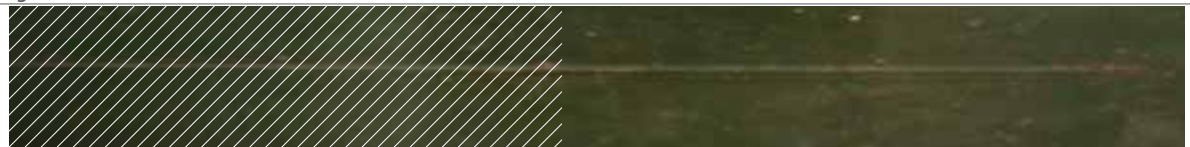
		advance 21
Worktable dimensions	mm	905 x 372
Worktable height	mm	900
Spindles number		21
Spindles centre-to-centre	mm	32
Maximum tool diameter	mm	40
Maximum drilling centre-to-centre	mm	640
Max. height of horizontal boring operation	mm	60
Spindle speed	rpm	2800
Min./max. panel thickness	mm	10/85
Max. panel width under the bridge	mm	833
Max. boring head stroke	mm	70
Boring head motor powe	kW	1,8
Pneumatic system operating pressure	bar	6
Air consumption	Nl/cycle	3,5
Exhaust outlets diameter	mm	80

vertical router
router

The Tradition in Routing.

		router
Spindle head-frame distance	mm	600 / 800 / 900
2 spindle speeds (at 50 Hz)	rpm	9000 / 18.000
Vertical spindle stroke	mm	80
Max. table-spindle distance	mm	150
Spindle head-frame distance	mm	180

Find the complete technical specification at page 109



Routing Head
effortless and dynamic

Worktable
stability and comfort

Vertical router, for demanding DIY woodworkers and craftsmen, with pneumatic head lifting.

router operating groups

effortless and dynamic

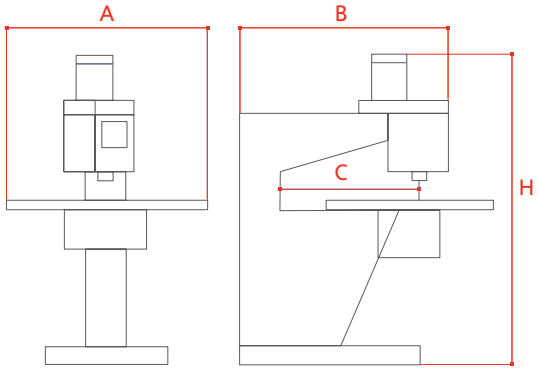
Routing Head.
The routing head is equipped with 6 adjustable turret stops to facilitate the return to machining positions.

stability and comfort machining

Worktable.
Stable support even for large work pieces, thanks to the large cast iron worktable. Machine's set-up with great comfort with the frontal hand-wheel which allows easy vertical worktable adjustment.

router dimensions and technical data

		router 600	router 800	router 900
A	mm	960	960	960
B	mm	1150	1350	1450
C	mm	600	800	900
H	mm	1820	1820	1820



S Standard
O Option

		router 600	router 800	router 900
Spindle head and frame distance	mm	600	800	900
Spindle speed (at 50 Hz)	rpm	9000 / 18.000	9000 / 18.000	9000 / 18.000
Vertical spindle stroke	mm	80	80	80
Adjustable stops	n.	6	6	6
Vertical stroke of worktable	mm	150	150	150
Max. table-spindle distance	mm	180	180	180
Table dimensions (non CE)	mm	800 x 600	800 x 600	960 x 880
Table dimensions (CE)	mm	960 x 880	960 x 880	960 x 880
Max. height of table from floor	mm	1050	1050	1050
Copying pin diameter	mm	8 - 10	8 - 10	8 - 10
Spindle morse taper	n.	2	2	2
Cutter-bit diameter	mm	10	10	10
Collets diameter	mm	6 ÷ 12	6 ÷ 12	6 ÷ 12
Exhaust outlets diameter	mm	80	80	80
Air consumption	m^3/h	362	362	362
Three-phase motors (S1) (double power) 1,5/2,2 kW (2/3 hp) 50 Hz - 1,8/2,7 kW (2,4/3,6 hp) 60 Hz		S	-	-
Three-phase motors (S1) (double power) 2,2/3 kW (3/4 hp) 50 Hz - 2,7/3,6 kW (3,6/4,8 hp) 60 Hz		O	S	S
Single-phase motors (S1) (one speed) 2,5 hp (18.000 rpm)		O	O	O

woodturning lathe
t 124

Total Safety Machining.

		t 124
Distance between centers	mm	1150
Centers height	mm	200
4 spindle speeds (at 50 Hz)	rpm	570 / 1000 / 1850 / 2500
Three-phase motor	kW/Hz	1,5 (1,8) / 50 (60)

Find the complete technical specification at page 113

Structure
precision and safety

Optional Devices
versatile and complete

Woodturning lathe, for demanding DIY woodworkers and craftsmen, fast, cost-effective, easy-to-use, reliable.

woodturning lathe operating groups and optional devices

versatile and complete

Optional Devices.
Full range of devices to realize your creativeness.

precision and safety

Structure.
Maximum reliability and top precision, with its strong base, and total safety for the operator, thanks to the transparent guard.

Copier.
Enables copying work at diameters greater or smaller than the template or pattern, feed by hand-wheel.

Mobile Steady Rest, with pre-cutting tool to guaranteea perfect finishing.

Fixed Steady Rest, Reduces vibrations when turning long, thin components. The 'C' shape enables turning with hand tools.

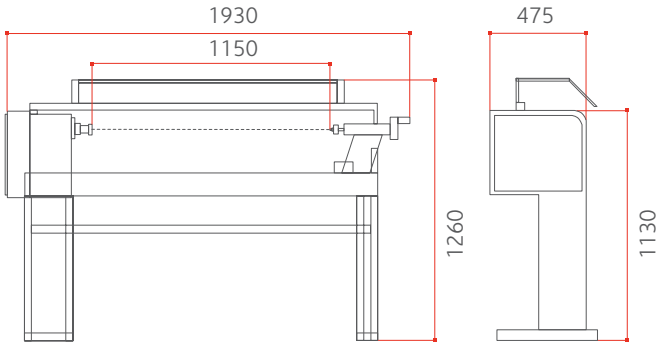
Face Plate 300 mm diameter, ideal for large bowls.

Cup or Screw Type Drive Benters: 40 mm diameter cup centre and 70 mm screw centre made from a single-piece of stainless steel. Necessary for turning small cups and bowls.

A) Sanding Unit, complete with adjustable angle work surface, guide and sanding disc.

B) Four-jaw Chuck 125 mm diameter, for the rapid clamping of squared or circular components.

woodturning lathe dimensions and technical data



S Standard
O Option

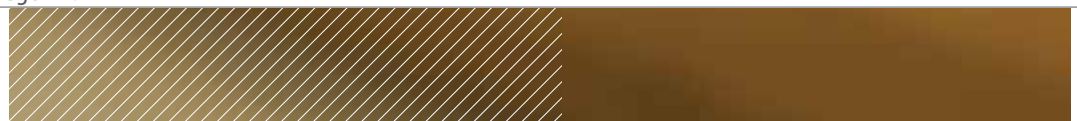
		t 124
Distance between centres	mm	1150
Centres height	mm	200
4 chuck speed (at 50 Hz)	rpm	570 / 1000 / 1850 / 2500
Tape drive with morse taper	n.	2
Ball bearing centre with morse taper	n.	2
Face plate diameter	mm	130
Machine equipped with copying device (optional)...		
Max. working length	mm	1120
Max. diameter	mm	200
...and equipped with mobile rest (option):		
Max. working length	mm	1070
Max. diameter	mm	80
Three-phase motor 1,5kW (2hp) 50 Hz - 1,8 kW (2,5 hp) 60 Hz		S
Single-phase motor 1,5kW (2hp) 50 Hz		O

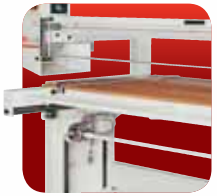
double gooseneck narow belt sander ls

Simple and Reliable over time.

		ls
Worktable dimensions	mm	2500 x 1100 / 3000 x 1100
Sanding belt width	mm	150
Belt speed	m/sec	18
Worktable vertical stroke	mm	580
Gooseneck depth	mm	820
Three-phase motor (S1) starting from	kW/Hz	3 (3,6) / 50 (60)

Find the complete technical specification at page 119





Structure
zero vibrations

Pulleys
speed under control

Belt Tensioning Device
practical to use

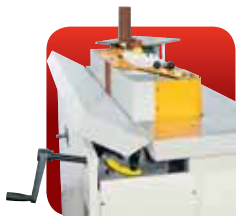
Belt sanding machines for edges and surfaces, extremely simple and reliable over time, for demanding DIY woodworkers and woodworking shops.

sanders
unilev 150
dg 60

with oscillating vertical belt
modular disc sander

		unilev 150	dg 60
Worktable dimensions	mm	1440 x 710	700 x 350
Sanding belt width	mm	150	150
Belt speed	m/sec.	12 / 24	9
Vertical movement of the oscillating unit	mm	130	-
Disc speed	rpm	-	900
Disc diameter	mm	-	600

Find the complete technical specification at page 119



Worktable
perfect sanding

Supplementary Table
flexibility

Exhaust System
clean work environment

Optional Devices
functional

Belt and disc sanding machines for edges and surfaces, extremely simple and reliable over time, for demanding DIY woodworkers and woodworking shops.

sanders operating groups

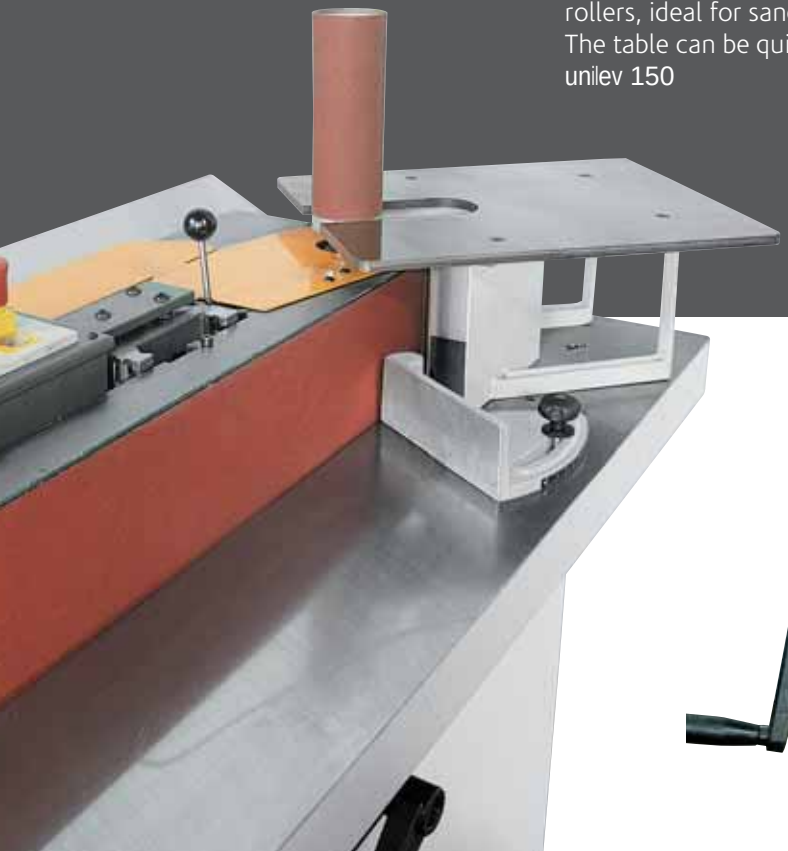
zero vibrations

Structure.
Excellent stability and high precision machining without vibrations, for a top-level finished product, with the heavy duty structures and the perfect sliding of the sliding table. All the controls are easy to use and located within easy reach of the operator. Is

sanders dimensions and technical data

perfect sanding on shaped work pieces…

Supplementary Table.
A machine even more flexible, with the supplementary table complete with rubber rollers, ideal for sanding shaped work pieces. The table can be quickly installed and removed.
unilev 150

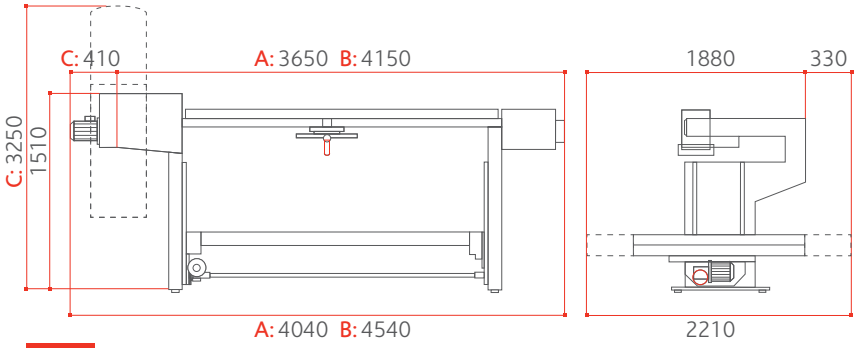


...and on profiles

Worktable.
The worktable can be tilted 45° guaranteeing a precise sanding also of tilted profiles.
unilev 150/dg 60

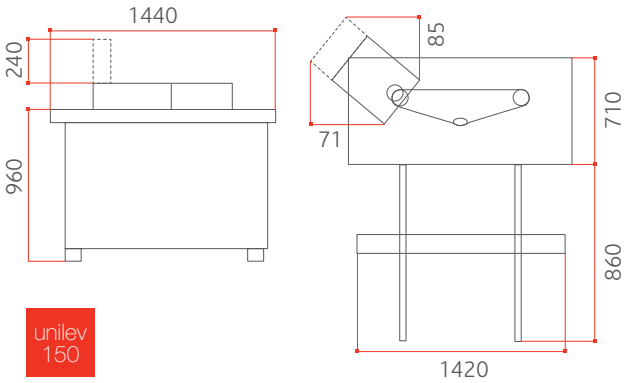
no limits to sanding

Possibility to compose the machine with functional devices such as the sanding belt unit and the pneumatic roller to sand shapes and holes.
dg 60

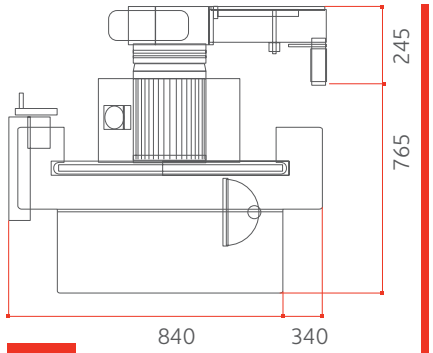


ls

A ls 2500
B ls 3000
C with bag for dust extraction



unilev 150

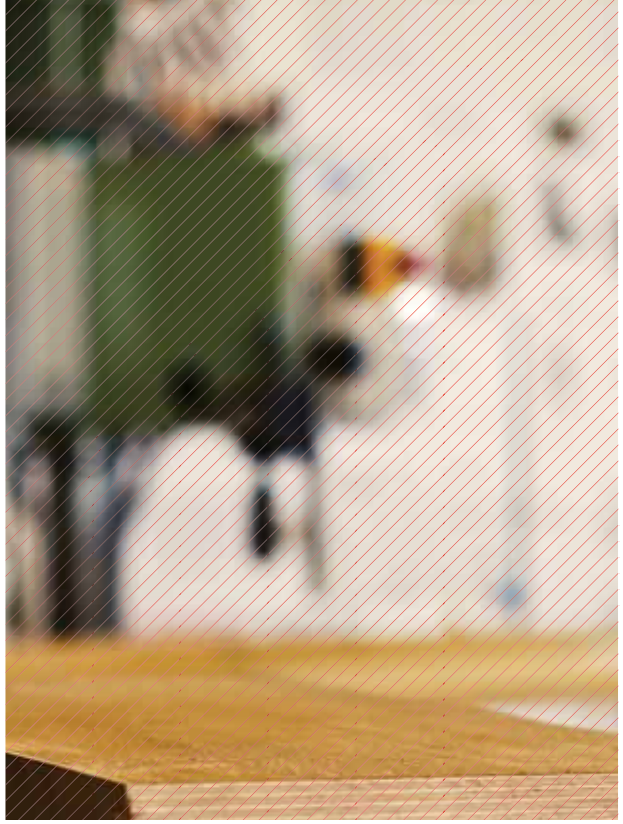


dg 60

		ls	unilev 150	dg 60
Worktable length	mm	2500 ÷ 3000	-	-
Working width	mm	1100	-	-
Vertical stroke of worktable	mm	580	-	-
Abrasive belt width	mm	150	-	-
Abrasive belt height	mm	7100	-	-
Belt speed (CE)	m/sec	18	-	-
Dust extraction outlet diameter	mm	140	-	-
Depth of gooseneck	mm	820	-	-
Pulley diameter	mm	250	-	-
Pad dimensions	mm	150 x 360	-	-
Belt motor with reverse rotation (S1)	kW/Hz	3 (3,6) / 50 (60)	-	-
Lifting motor (S1)	kW/Hz	0,3 (0,4) / 50 (60)	-	-
Abrasive belt width	mm	-	2170	-
Abrasive belt height	mm	-	150	-
Worktable length	mm	-	1440	-
Worktable total width	mm	-	710	-
Worktable tilting		-	0° ÷ 45°	-
2-speed belt motor (S1)	m/sec	-	12 / 24	-
Vertical oscillation	mm	-	130	-
Powered roller diameter	mm	-	160	-
2-speed belt motor (S1)	kW/Hz	-	2,2 / 3 (2,7 / 3,6) / 50 (60)	-
Oscillating unit vertical movement	mm	-	20	-
Exhaust outlet diameter	mm	-	120	-
Worktable dimensions	mm	-	-	700 x 350
Table and fence tilting		-	-	90° ÷ 45°
Disc diameter	mm	-	-	600
Rotating speed	rpm	-	-	900
Motor power (S1)	kW/Hz	-	-	2,2 (2,7) / 50 (60)

band saws

s 45 n
s 400 p
s 500 p
s 600 p
s 700 p
s 800 p
s 900 p



Precision Since the First Cut.

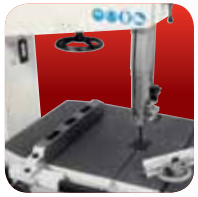
		s 45 n	s 400 p	s 500 p	s 600 p	s 700 p	s 800 p	s 900 p
Worktable dimensions	mm	520 x 600	450 x 600	500 x 700	580 x 810	710 x 1030	800 x 1170	800 x 1170
Cast-iron saw wheels diameter	mm	450	400	500	600	700	800	900
Max. cutting height	mm	300	400	500	360	435	500	550
Max. cutting width	mm	440	380	480	580	680	780	880
Worktable tilting (no CE)		0° ÷ 20° (45°)	0° ÷ 20° (45°)	0° ÷ 20° (45°)	0° ÷ 20° (45°)	0° ÷ 20° (45°)	0° ÷ 20° (45°)	0° ÷ 20° (45°)
Three-phase motor power starting from	kW/Hz	3 (3,6) / 50 (60)	1,5 (1,8) / 50 (60)	2,2 (2,7) / 50 (60)	2,2 (2,7) / 50 (60)	3 (3,6) / 50 (60)	4 (4,8) / 50 (60)	5,5 (6,6) / 50 (60)

Find the complete technical specification at page 123

Professional band saws, sturdy and extremely precise,
for woodworking shops and craftsmen.

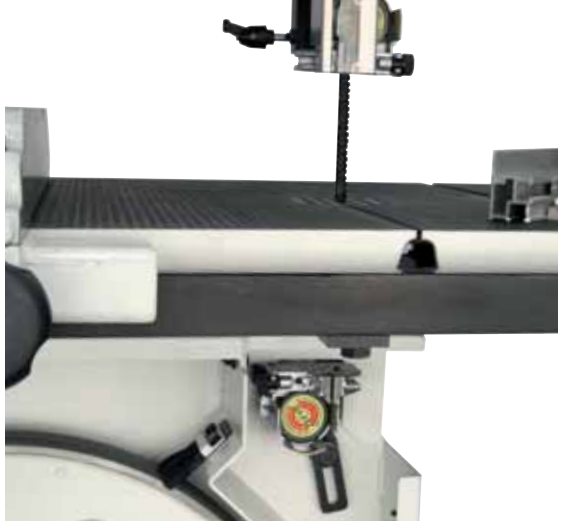
Cast Iron Saw Wheels
solidity

Blade Guide
perfect results



Protections
safety first

band saws operating groups



perfect results

Blade Guide.
A perfect cut result is assured by the top and bottom high precision blade guides. Practical machines suitable also to perform straight and tilted cuts on wood, plastic and aluminum.

solidity and sturdiness

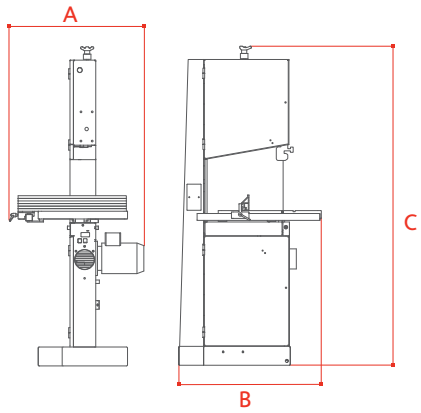
Cast Iron Saw Wheels.
Very thick, cast iron wheels, as well as the worktable, running on sealed for life ball bearings.

safety first

Protections.
Total safety machining with telescopic protections with rackwork to the blade.

band saws dimensions and technical data

		s45n	s400p	s500p	s600p	s700p	s800p	s900p
A	mm	780	610	700	760	880	945	955
B	mm	830	830	940	1165	1415	1620	1740
C	mm	1860	1915	2060	2075	2300	2495	2705



		s 45 n	s 400 p	s 500 p	s 600 p	s 700 p	s 800 p	s 900 p
Worktable dimensions	mm	520 x 600	450 x 600	500 x 700	580 x 810	710 x 1030	800 x 1170	800 x 1170
Cast iron saw wheels diameter	mm	450	400	500	600	700	800	900
Max. cutting height	mm	300	400	500	360	435	500	550
Max. cutting width	mm	440	380	480	580	680	780	880
Worktable tilting (CE)		0° ÷ 45° (20°)	0° ÷ 45° (20°)	0° ÷ 45° (20°)	0° ÷ 45° (20°)	0° ÷ 45° (20°)	0° ÷ 45° (20°)	0° ÷ 45° (20°)
Min./max. saw blade length	mm	3690 / 3742	3835 / 3910	4296 / 4376	4480 / 4580	5040 / 5180	5540 / 5670	6100 / 6300
Min./max. blade dimensions	mm	6 x 0,5 / 25 x 0,5	10 x 0,5 / 30 x 0,5	10 x 0,5 / 30 x 0,5	10 x 0,6 / 35 x 0,6	10 x 0,6 / 40 x 0,6	10 x 0,7 / 45 x 0,7	10 x 0,8 / 50 x 0,8
Three phase motor starting from	kW/Hz	3 (3,6) / 50 (60)	1,5 (1,8) / 50 (60)	2,2 (2,7) / 50 (60)	2,2 (2,7) / 50 (60)	3 (3,6) / 50 (60)	4 (4,8) / 50 (60)	5,5 (6,6) / 50 (60)
Exhaust outlet diameter	mm	120	100	100	100	100	120	120
Air consumption	l/min (bar)	-	-	-	-	-	0,027 (6)	0,027 (6)

complementary machines

dust extractors

eco 300 d
dust extractor with 2 bags

eco 300 s
dust extractors with 1 bags

eco 300 sk

		eco 300 d	eco 300 s	eco 300 sk
Bags number	n.	2	1	1
Air flow rate	m³/h	3900	2550	2550
Fan diameter	mm	305	300	300
Bags diameter	mm	500	500	500
Exhaust outlets attachments, number/diameter	n./mm	3 / 100	2 / 100	2 / 100
Bags capacity	m³	0,43	0,15	0,15

feeders

feed 44
feeder with 4 rollers complete with stand

feed 34
feeder with 3 rollers complete with stand

		feed 44	feed 34
Rollers	n.	4	3
Feed speed	m/min	4/8/11/22	4/8/11/22
Rollers diameter	mm	120	120
Rollers width	mm	60	60
Rollers excursion	mm	20	20
Three-phase motors power (two motors power)	kW/Hz	0,52/0,75 (0,52/0,75)/50 (60)	0,52/0,75 (0,52/0,75)/50 (60)

radial saws
sr 900
sr 750
sr 650

		sr 900	sr 750	sr 650
Blade diameter	mm	400	350 ÷ 400	350 ÷ 400
Blade tilting		-45° ÷ +45°	-45° ÷ +45°	-45° ÷ +45°
Max. cutting depth with 90°/45° blade (*400 mm blade diameter available as an option)	mm	120 / 83	120 / 83*	120 / 83*
Max. cross-cut capacity	mm	900 x 20	750 x 20	640 x 20
Three-phase motors starting from	kW/Hz	4 (4) / 50 (60)	3 (3) / 50 (60)	3 (3) / 50 (60)

radial saws operating groups

long-lasting functionality

Column Protection Cover.
The mechanisms of which the machine is equipped, as the protection cover on the arm column support, protect the mechanical parts from dust, guaranteeing the best operation over time.

precision and smoothness

Carriage with 8 Bearings.
The 8 sliding bearings on the guides grant the best carriage smoothness and an optimal support for a perfect cutting result.

absolute safety

Blade Guard.
It guarantees the absolute operator's safety.

maximum cutting precision

Cast Iron Arm with Steel Interchangeable Guides.
The cast iron structure provides the arm the maximum solidity and rigidity for the maximum cutting precision.
The interchangeable sliding ways allows the operator a simple and rapid replacing, in case of wear, without direct intervention on the arm.

cut-off saw
cut 350

		cut 350
Blade diameter	mm	350
Max. cross-cut capacity	mm	210 x 30
Max. working capacity	bar	8
Air consumption	Nl/cycle	6
Three-phase motor power starting from	kW/Hz	3 (3) / 50 (60)

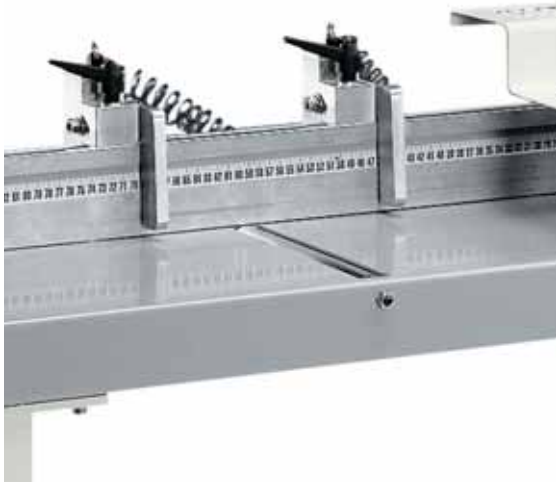
cut-off saw operating groups

the best cleaning

Exhaust Outlet.
The exhaust outlets positioned near the dust evacuation areas ensure a fully cleaning of the working environment.

absolute safety

Blade Guard.
The blade guard and the other operator's protection systems, as the bi-manual hand-safety control, allow to operate with absolute safety.



smart solutions

Stops and Pneumatic Positioning.
The machine is equipped with intelligent solutions as the optional stops and the pneumatic positioning.

clamp
clamp 2500

		clamp 2500
Working dimensions	mm	2500 x 1800
Stroke of vertical hydraulic cylinders	mm	150
Thrust of each vertical hydraulic cylinders	kg	1270
Stroke of horizontal hydraulic cylinders	mm	120
Thrust of each horizontal hydraulic cylinder	kg	770

clamp operating groups

ease-of-use

Hydraulic Cylinders.
The simple and rapid vertical beams positioning system allows a very simple hydraulic cylinders adjustment.

solidity and sturdiness

Lower Cast Iron Supports.
Even more machine sturdiness with the lower cast iron supports.

pressure under control

Control Panel.
The hydraulic cylinders pressure is controlled by practical levers and a control panel which is equipped with a valve with reading monometer and a locking cock for the cylinders pressure maintaining. The process is always under control.

horizontal mortiser as 16

		as 16
Longitudinal stroke	mm	200
Vertical stroke	mm	160
Transversal stroke	mm	125
Tool spindle diameter	mm	1 ÷ 16
Spindle speed	rpm	3000
Three-phase motor starting from	kW/Hz	1,5 (1,8) / 50 (60)

horizontal mortiser operating groups

solidity and manageability

Cast Iron Structure and Sliding on Cylindrical Bars.
Solidity and easy to handle with the cast iron strong structure which easily moves on cylindrical sliding bars.

ease-of-use

Hand-Wheel and Levers.
Easy movement of the boring head due to the practical control by hand-wheel and levers.

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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Large Integrated Group

14
Specialist Brands

18
Production Sites

19
Foreign Branches

More Than **60** Years In Business

80%
Exports

350
Agents and Dealers

390
Registered Patents

500
Support Technicians

3.000
Square Metres of Showroom

10.000
Classical and Professional Machines Manufactured Per Year

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