

elite

combined machines

cu 410e

fs 41e

universal combined machine

surfacing-thicknessing planer



	cu 410e	fs 41e
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 48



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.

elite operating groups



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 option 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.

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.



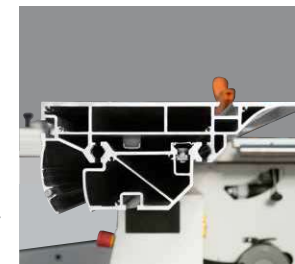
90° ÷ 45°



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 410e) 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.

functional and customisable

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



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



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



versatility

Spindle Moulder.

Maximum stability and rigidity in all working conditions, thanks to a large spindle moulder column made entirely of cast iron.

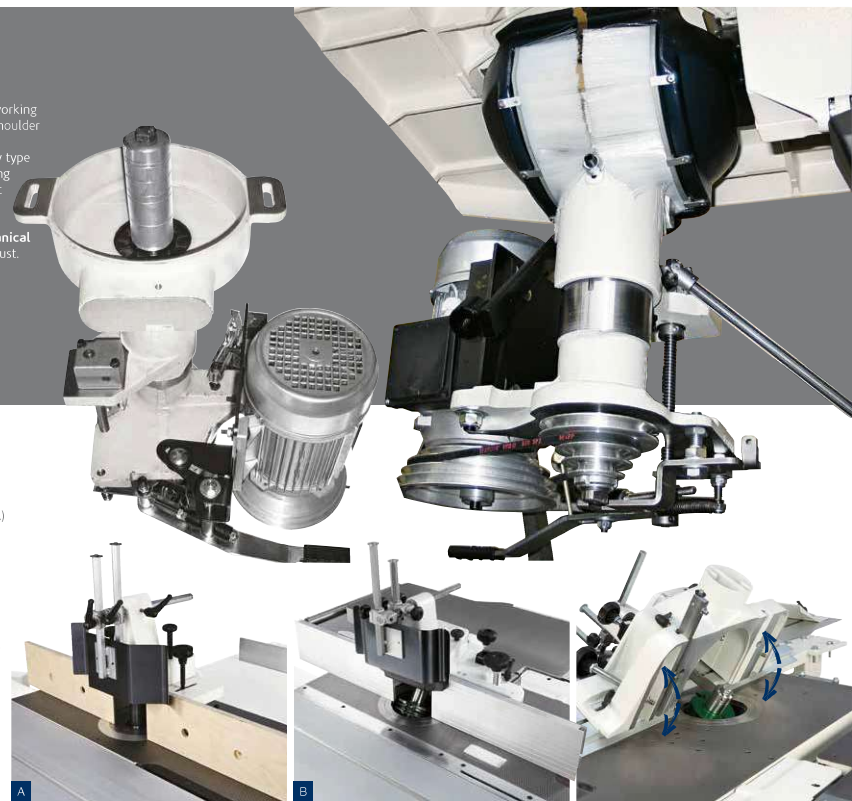
The 4 standard speed are ideal for any type of machining, from moulding to routing and tenoning with the possibility to fit tools up to 275 mm of diameter. The spindle is surrounded by a cast iron "cup" to protect the **internal mechanical components** from shavings and sawdust.

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.



elite main optional devices



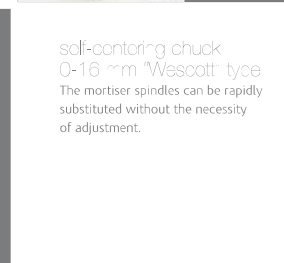
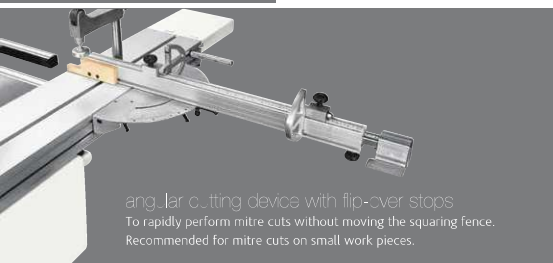
"Tersa" cutter block

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.



maintenance case for "Xylont" spiral knife

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



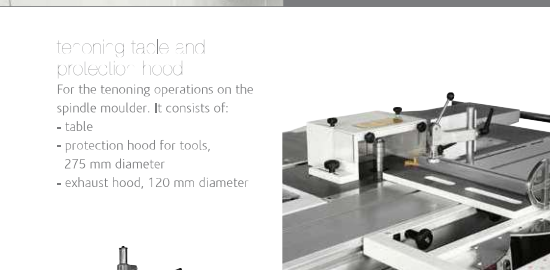


additional overturning
fence for thin work pieces
It ensures optimum operator safety
when machining thin work pieces.

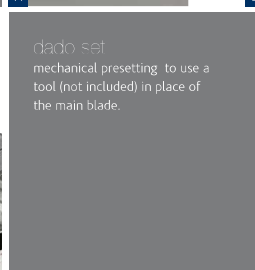


interchangeable spindle (A)
For a very quick spindle
substitution. Among the spare
spindle, it is available also the
spindle for router bits. (B)

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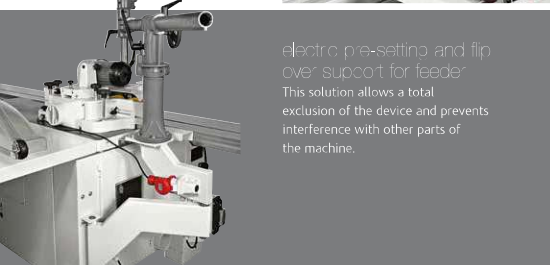
tenoning table and
protection hood
For the tenoning operations on the
spindle moulder. It consists of:
- table
- protection hood for tools,
275 mm diameter
- exhaust hood, 120 mm diameter



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



wheels for machine
movement



electro 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.

S Standard
O Option

	cu 410e	fs 41e	st 4e	sc 4e
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	-	-
"Xylent" spiral knife cutter block with 3 series of knife	O	O	-	-
Maintenance case for "Xylent" spiral knives	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	-	-	-	-
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	-	-
Dado set	-	-	O	O