

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.



#### 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.

#### practical and ergonomic

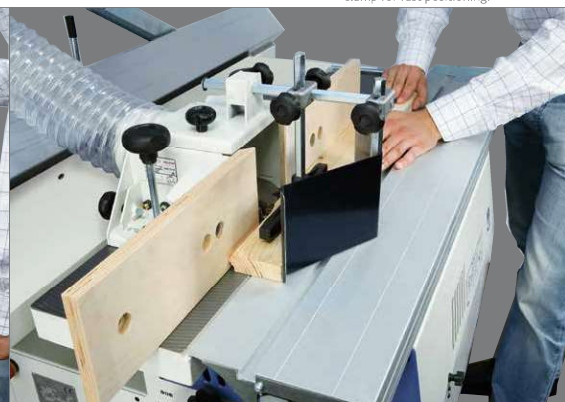
##### Thickening Planing.

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 thickening 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.



#### 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).

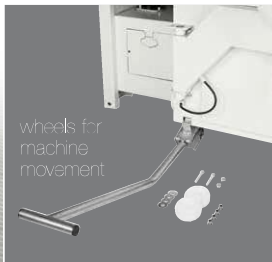


genius  
main  
optional  
devices

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



wheels for  
machine  
movement



genius  
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.



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



S Standard  
O Option

maintenance case for  
"Xylent" spiralknives

- 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



"Xylent" spiralknife cutter block  
with 3 series of knives

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

	c 30g	c 26g	fs 30g	st 1g	sc 1g
"Tersa" cutter block	O	O	O	-	-
"Xylent" spiralknife cutter block with 3 series of knife	O	O	O	-	-
Maintenance case for "Xylent" 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	-	-	-