

spindle moulders
 nova tf 110
 nova ti 105
 nova tf 100



		nova tf 110	nova ti 105	nova tf 100
Spindle height CE Ø 30-35 (40-50)	mm	140 (180)	125 (125)	125 (125)
Max. diameter of the profiling tool	mm	250	240	240
Max. tool diameter retractable under worktable at 90°	mm	320	240	240
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm	300 (350)	275 (320)	240 (240)
Three-phase motors power starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 42



Spindle Moulder Unit
 sturdiness and versatility



Spindle Moulder Fence
 set-up rapidity



Machine Versions
 specialisation and professionalism

Precision and reliability in unbeatable time.

spindle moulder operating groups



nova ti 105 optional electronic controls



Powered operating unit movement with digital readouts
Maximum precision and ease-of-use.

sturdiness and versatility

Spindle moulder unit

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

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

The 5 standard speed (4 speed for *nova ti 105* and *nova tf 100*) are ideal for any type of machining, from profiling to moulding and tenoning, with the possibility to fit large diameter tools.

"Flex One" spindle moulder fence Automatic adjustment of the entire fence according to the tool diameter.

The "Flex" exclusion system (SCM solution) is user-friendly with precise re-positioning.



Ready 3 UP

The programming of the work becomes simple and effective with the electronic mobile control panel with a 4" LCD colour screen. Working mode: manual, semi-automatic and automatic with a memory capacity of up to 99 programs.



Tool-holder shaft lifting



Tool-holder shaft tilting



Adjustment of the entire profiling fence

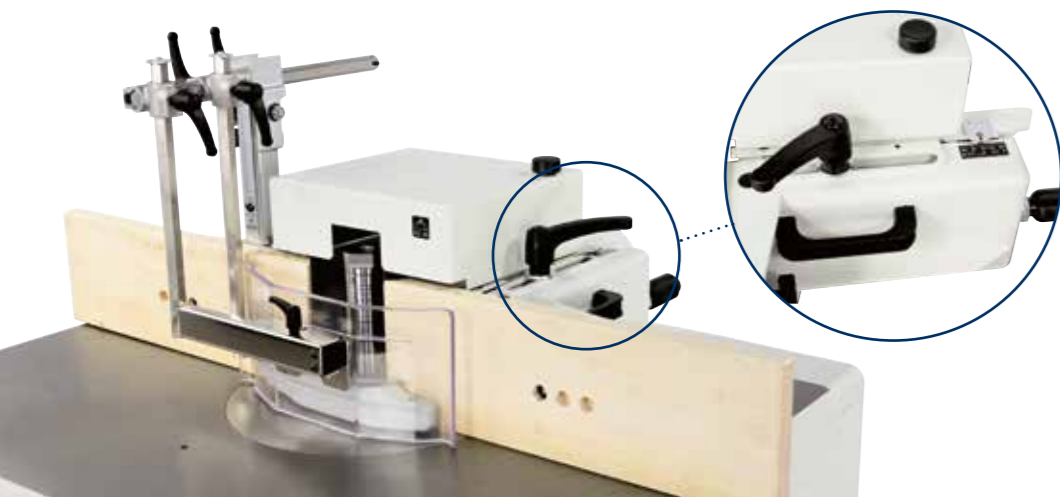


Tool-holder shaft speed readout

easy to use

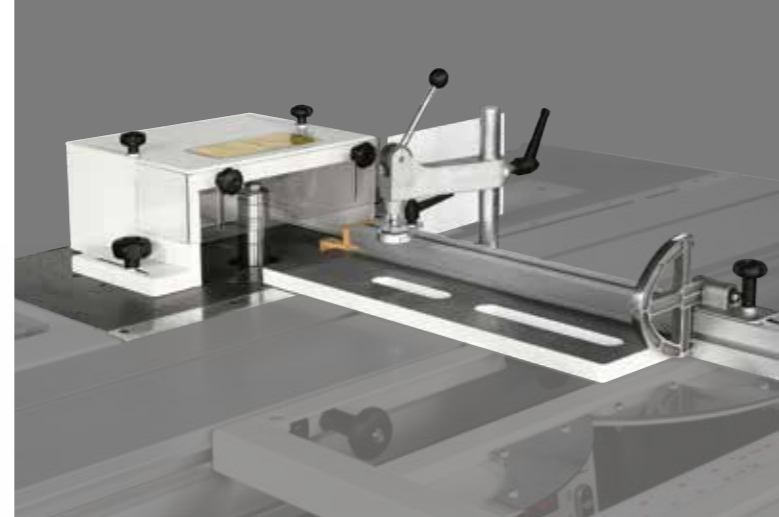
Adjustable spindle moulder fence

A handle provides the setting-up of the infeed table, which effects the removal and it is verified by an index on a metric scale.



spindle moulder machine versions

For the profiling of very large work-pieces, the *nova ti 105* can be equipped with a **support frame complete with two reversible stops**.



The *nova ti 105* "version with front sliding carriage" can be equipped with **tenoning table and tenoning hood** in order to house tools, 320 mm max. diameter (300 mm USA/ Canada).

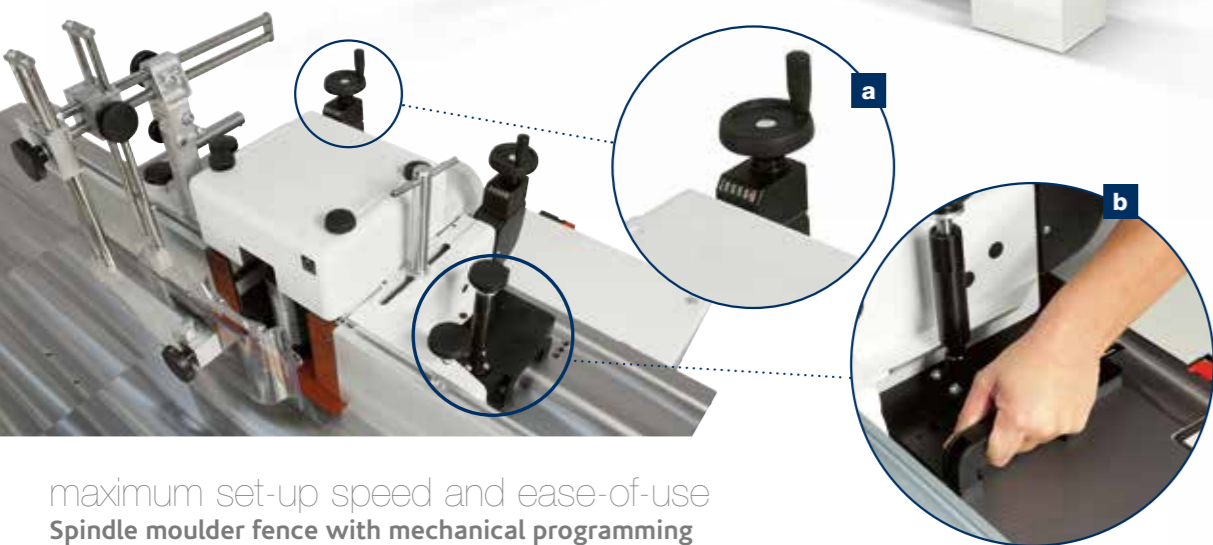
Carriage on worktable for small tenoning operations
Ideal for tenoning of small work-pieces for the versions without sliding carriage. Mitre cuts with angles of $\pm 60^\circ$ on the worktable are possible. Easy fitting and removal due to the fixing system on the worktable.



"TL" versions
Top machining precision and stability due to the manual feed carriage with castiron structure mounted on axial bearings running on slideways made from hardened and ground bar.



For a total safety and a higher flexibility, the machine is supplied, as standard feature, with a **special protection hood for moulding operations**.



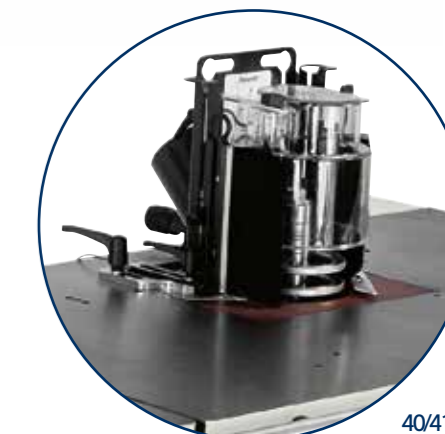
maximum set-up speed and ease-of-use

Spindle moulder fence with mechanical programming

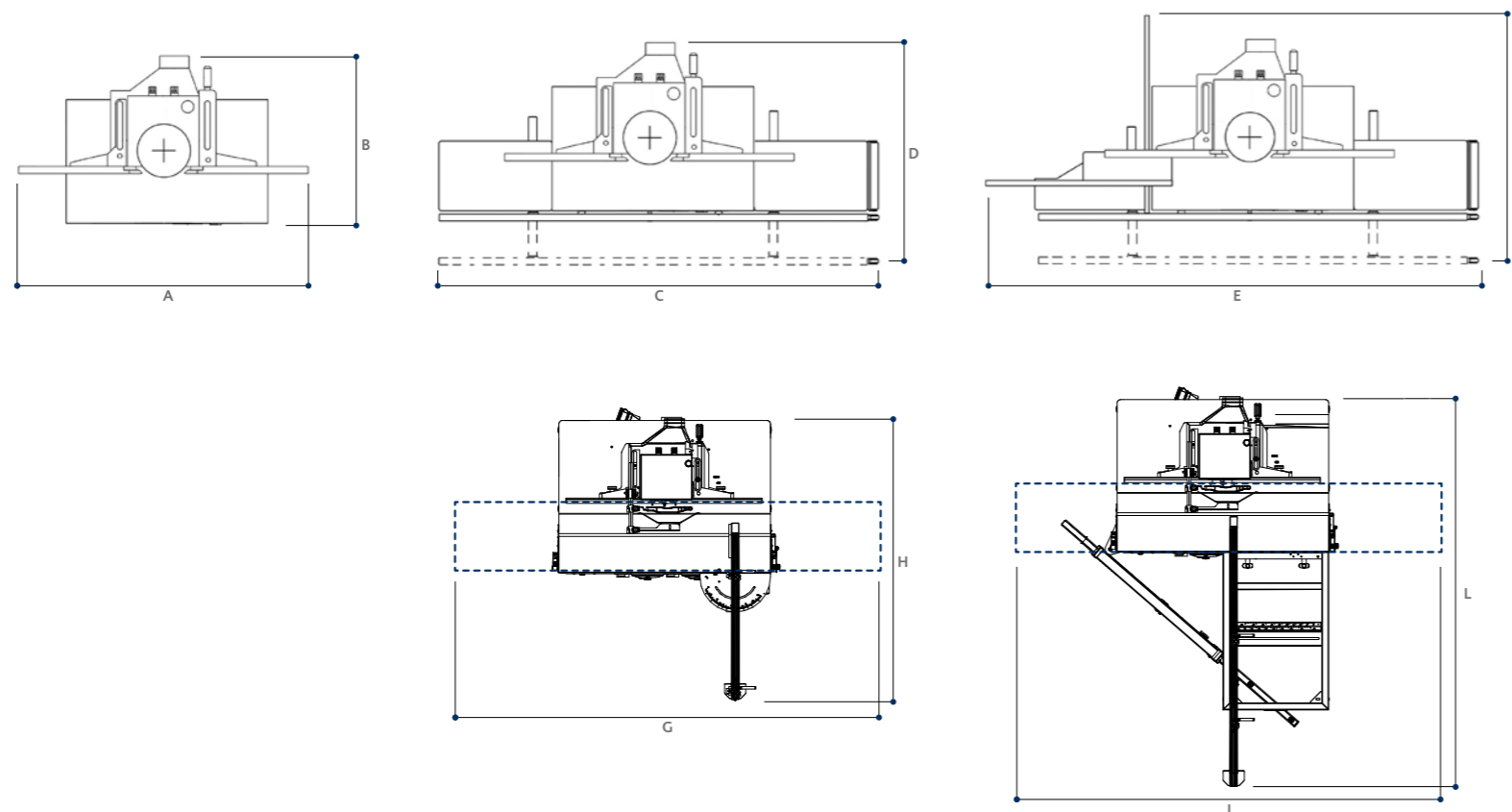
No more test runs due to digital readouts **(a)** that ensure accuracy to a tenth of a millimetre in positioning the two worktables. The side handles **(b)** make it easy to remove and reposition the fence from the worktable.



"LL" versions with worktable side extensions
Ideal when machining very long work-pieces due to worktable extensions. The mobile front bar makes it easy to move large dimensioned work-pieces on the worktable, particularly for edge profiling.



spindle moulder technical data



S Standard
O Option

TECHNICAL DATA		nova tf 110	nova ti 105	nova tf 100
Worktable dimensions	mm	1200 x 730	1200 x 855	1080 x 655
Spindle tilting		-	0° ÷ +45°	-
Spindle height CE Ø 30-35 (40-50)	mm	140 (180)	125 (125)	125 (125)
Spindle speed (at 50 Hz)	rpm	3000/4500/6000/7000/10.000	3500/6000/8000/10.000	3500/6000/8000/10.000
Max. diameter of the profiling tool	mm	250	240	240
Max. tool diameter retractable under worktable at 90°	mm	320	240	240
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm	300 (350)	275 (320)	240 (240)
other technical features				
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		S	S	S
Three-phase motors 7 kW (9,5 hp) 50 Hz - 8 kW (11 hp) 60 Hz		O	O	O
Exhaust hood diameter:				
- at the base	mm	120	120	120
- on the spindle moulder fence	mm	120	120	120

OVERALL DIMENSIONS

		nova tf 110	nova ti 105	nova tf 100
A	mm	1200	1200	1111
B	mm	730	855	655
C	mm	2600	2600	2600
D min.	mm	800	920	720
D max.	mm	1250	1220	1020
E	mm	3150	-	-
F min.	mm	800	-	-
F max.	mm	1250	-	-
G	mm	-	2800 ÷ 3850	-
H	mm	-	2354	-
I	mm	-	2800 ÷ 3850	-
L	mm	-	3200	-

MAIN OPTIONAL DEVICES

	nova tf 110	nova ti 105	nova tf 100
"Ready 3 UP" version with "Flex One" spindle moulder fence	-	O	-
Support frame with tiltable telescopic fence complete with n.2 reversible stops	-	O	-
Powered operating unit movement with digital readouts	-	O	-
Spindle moulder fence with mechanical programming	O	O	O
Aluminium tabled instead of the wooden ones for profiling fence	O	O	O
Interchangeable spindle	O	O	O
Spindle for router bits	O	O	O
"LL" version with 2 cast-iron profiling extensions	O	O	O
"TL" version for tenoning and profiling	O	-	-
Tenoning table and tenoning hood	-	O	-
Carriage on the fixed table for small tenoning operations	O	O	O