electronically programmable
spindle moulders
class ti 145ep
class ti 120e
class tf 130e

manual
spindle moulders
class tf 130
class tf 130ps
class ti 120
nova tf 110
nova ti 105
nova tf 100

spindle moulders

The widest range of spindle moulders offering the market the latest and most advanced technological solutions urgently required for different types of production.

class

The best solution for every production requirement.

nova

Guaranteed quality at your fingertips.





electronically programmable spindle moulders

class ti 145ep
class ti 120e
class tf 130e



		class ti 145ep	class ti 120e	class tf 130e
Spindle height CEØ 30-35 (40-50)	mm	140 (160)	140 (180)	140 (180)
Max. diameter of the profiling tool	mm	250	250	250
Max. tool diameter retractable under work table at 90°	mm	300	320	300
Diametro max. dell'utensile a tenonare CE Ø 30-35 (40-50)	mm	300 (300)	300 (350)	300 (300)
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 52







Spindle Moulder Unit
sturdiness and versatility



Spindle Moulder Fence
set-up rapidity



Electronic Control
operating advantage



Machine Versions
specialisation and professionalism

More quality, more performance, more reliability.

manual spindle moulders

class tf 130
class tf 130ps
class ti 120
nova tf 110
nova ti 105
nova tf 100





		class tf 130	class tf 130ps	class ti 120	nova tf 110	nova ti 105	nova tf 100
Spindle height CE Ø 30-35 (40-50)	mm	140 (180)	140 (180)	140 (180)	140 (180)	125 (125)	125 (125)
Max. diameter of the profiling tool	mm	250	250	250	250	240	240
Max. tool diameter retractable under work table at 90°	mm	300	320	320	320	240	240
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm	300 (350)	300 (350)	300 (350)	300 (350)	275 (320)	240 (240)
Three-phase motors starting from	kW/Hz	7 (8) / 50 (60)	7 (8) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 52











Spindle Moulder Unit
sturdiness and versatility



Spindle Moulder Fence
set-up rapidity



Machine Versions
specialisation and professionalism

Precision and reliability in unbeatable time.

spindle moulders operating units

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.





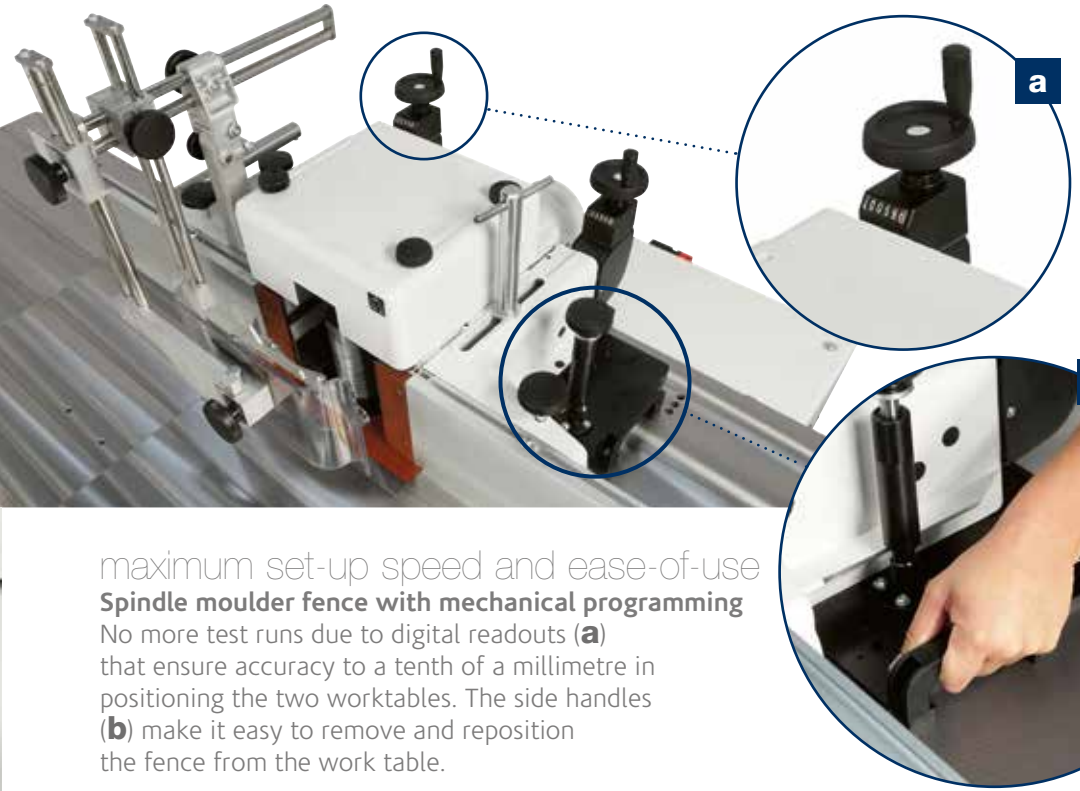


sturdiness and versatility

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 tf 100) are ideal for any type of machining, from moulding to routing and tenoning, with the possibility to fit large diameter tools.

the best support for the work table

"Fast" sectional table
Provides support for the work piece being machined close to the tool, allowing the adjustment with mounted tools and the very best quality finish when machining narrow pieces. The extremes in machinable material eliminate the disadvantages of a possible collision with the tool.



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 work table.

immediately in the correct position

"Flex" spindle moulder fence

A single, simple movement to retract and re-position instantly and accurately the position of the fence on the worktable with such precision that no other control is necessary.



automatic and removable

"Flex One" spindle moulder fence

Automatic adjustment of the entire fence according to the tool diameter. User-friendly worktable exclusion system with precise re-positioning.

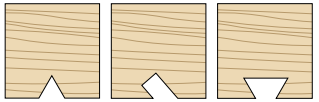


machining with tools on the spindle head carried out with the "Flex" fence

The spindle moulder fence can be located behind the tool allowing the performance of "head" routing using small diameter tools, typical of a router or portable electric tools; all this in compliance with CE safety regulations.







engraving,
grooving,
mortising

spindle moulders machine versions





Versions with front sliding carriage
Designed to manage tenoning and moulding operations very easily.





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).



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



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



"TL PRO-10" versions
The manual feed carriage is a cast iron structure running on linear slideways with recirculating ball screws, guaranteeing maximum machining precision and stability.

"TL" versions
Top machining precision and stability due to the manual feed carriage with cast-iron 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 contouring operations.**

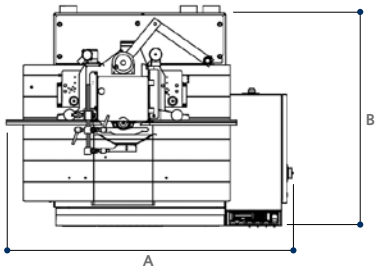
The "PRO-10" tenoning table can be retracted easily and within a few seconds to leave the machine ready for moulding (**a**) or contouring (**b**)operations.

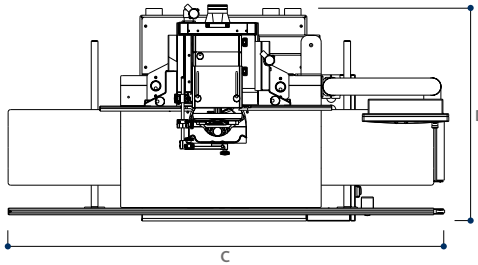


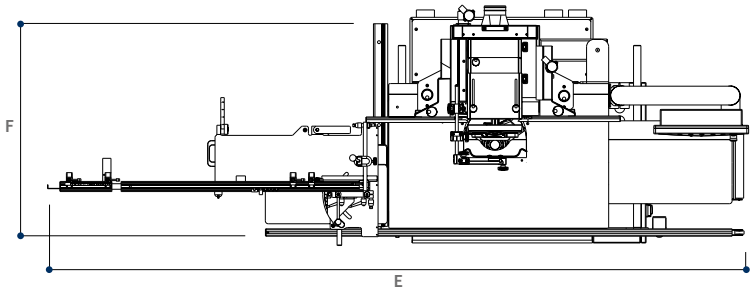


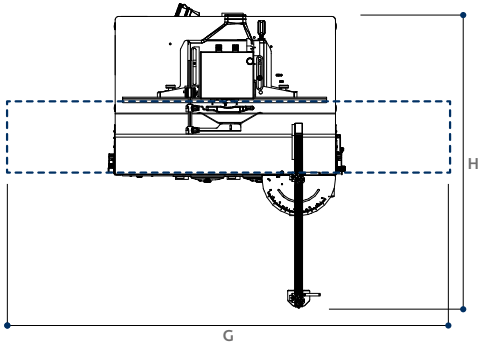
Carriage on work table for small tenoning jobs
Ideal for tenoning of small work pieces for the versions without sliding carriage. Mitre cuts with angles of ± 60° on the worktable are possible. Easy fitting and removal due to the fixing system on the worktable.

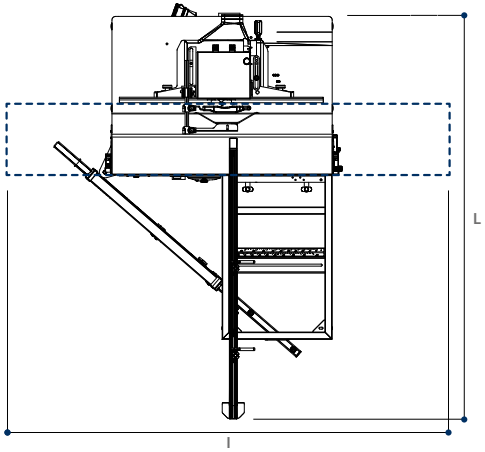
spindle moulders dimensions and technical data











		class ti 145ep	class ti 120e	class tf 130e
Work table dimensions	mm	1200 x 780	1200 x 810	1200 x 730
Spindle tilting		-45,5° ÷ +45,5°	-45° ÷ +45°	-
Spindle height CE Ø 30-35 (40-50)	mm	140 (160)	140 (180)	140 (180)
Spindle speed (at 50 Hz)	rpm	3000/4500/6000/7000/10.000	3000/4500/6000/7000/10.000	3000/4500/6000/7000/10.000
Max. diameter of the profiling tool	mm	250	250	250
Max. tool diameter retractable under work table at 90°	mm	300	320	300
Max. diameter of tenoning tool CE Ø 30-35 (40-50)	mm	300 (300)	300 (350)	300 (300)
other technical features				
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		-	S	-
Three-phase motors 7 kW (9,5 hp) 50 Hz - 8 kW (11 hp) 60 Hz		S	O	S
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz		O	O	O
Exhaust hood diameter:				
- at the base	mm	100	2 x 80	120
- on the spindle moulder fence	mm	120	120	120

S Standard
O Option

		class ti 145ep	class ti 120e	class tf 130e	class tf 130	class tf 130ps	class ti 120	nova tf 110	nova ti 105	nova tf 100
A	mm	1655	1194	1324	1324	-	1194	1200	1200	1111
B	mm	1265	1280	1010	1010	-	1280	730	855	655
C	mm	2600	2600	2600	2600	-	2600	2600	2600	2600
D min.	mm	1265	1300	1340	1340	-	1300	800	920	720
D max.	mm	1575	1710	1650	1650	-	1710	1250	1220	1020
E	mm	3780	3520	3551	3551	-	3197	3150	-	-
F min.	mm	1375	1300	1340	1340	-	1300	800	-	-
F max.	mm	1685	1710	1650	1650	-	1710	1250	-	-
G	mm	-	-	-	-	2080	-	-	2800 ÷ 3850	-
H	mm	-	-	-	-	2740	-	-	2354	-
I	mm	-	-	-	-	-	-	-	2800 ÷ 3850	-
L	mm	-	-	-	-	-	-	-	3200	-

class tf 130	class tf 130ps	class ti 120	nova tf 110	nova ti 105	nova tf 100
1200 x 730	1080 x 760	1200 x 810	1200 x 730	1200 x 855	1080 x 655
-	-	-45° ÷ +45°	-	0° ÷ +45°	-
140 (180)	140 (180)	140 (180)	140 (180)	125 (125)	125 (125)
3000/4500/6000/7000/10.000	3000/4500/6000/7000/10.000	3000/4500/6000/7000/10.000	3000/4500/6000/7000/10.000	3500/6000/8000/10.000	3500/6000/8000/10.000
250	250	250	250	240	240
300	320	320	320	240	240
300 (350)	300 (350)	300 (350)	300 (350)	275 (320)	240 (240)
-	-	S	S	S	S
S	S	O	O	O	O
O	-	O	-	-	-
120	120	2 x 80	120	120	120
120	120	120	120	120	120

spindle moulders electronic controls

"Easy"
Maximum reliability and **easy-to-use** due to the function push buttons with the electronic control of up to 8 axes with the 7" LCD display, 16:9 format. Integrated and fast control of all dedicated functions. These features translate into immediate improvements in productivity and guarantees the capability and the full potential of the machine.



"Ready"
The programming of the work becomes simple and effective with the electronic control 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


Adjustment of the entire profiling fence

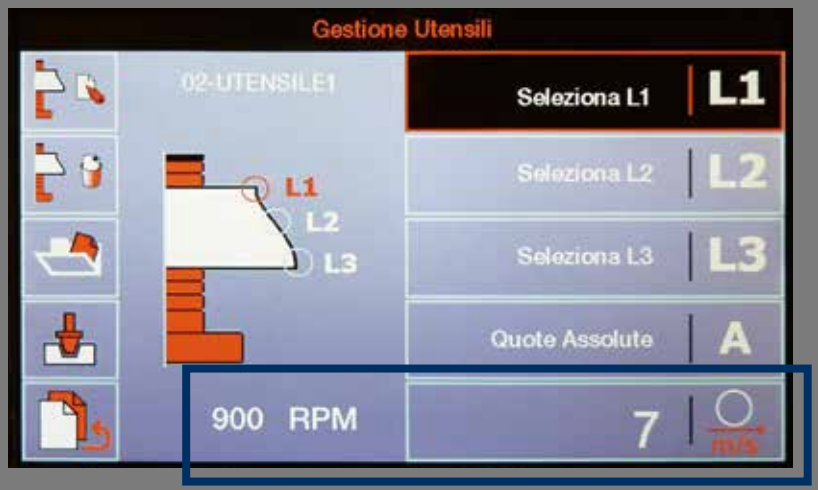

Tool-holder shaft tilting



Tool-holder shaft speed readout

For the most recurring machining jobs it is possible to set the dimensions of the required profile and select the tool to be used. The controls will create the dedicated program to carry out the require machining operations.









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

"Easy" control can easily manage the **inverter for the adjustment of spindle rotation speed.** *(option).*

spindle moulders other optional devices



Feeder support
High usable flexibility and no use of worktable space, due to the cross device on the column support of the overhead control panel.
The positions are made extremely simple using handwheels with digital readout.



"T-SET" rapid tool locking
A simple compressed air gun allows the tools locking and unlocking when the interchangeable spindle is present.



Advanced materials machining
PVC and other plastic materials. Nylon, polycarbonate and other synthetic materials.

spindle moulders main optional devices

	class ti 145ep	class ti 120e
"Ready" version	S	-
"Easy" version	O	-
"PS" version with front sliding carriage	-	-
Support frame with tiltable telescopic fence complete with no. 2 reversible stops	-	-
Mobile control panel	O	-
Powered operating unit movement with digital readouts	-	S
"Flex" spindle moulder fence	O	O
"Flex One" spindle moulder fence	O	-
Inverter for the rotation speed adjustment from 900 to 10.000 rpm	O	-
Feeder support with manual vertical and horizontal movements	O	-
Spindle moulder fence with mechanical programming	S	S
Aluminium tables instead of the wooden ones for profiling fence	O	O
Interchangeable spindle	S	O
Spindle for router bits	O	O
"T-Set" rapid tool locking	O	-
"Fast" sectional table with manual adjustment	S	-
"LL" version with 2 cast-iron profiling extensions	O	O
"TL" version for tenoning and profiling	O	O
"TL PRO-10" version for tenoning and profiling	O	-
Tenong table and tenoning hood	-	-
Carriage on the fixed table for small tenoning operations	O	O
Machine configuration for advanced materials machining	O	-

S Standard
O Option

class tf 130e	class tf 130	class tf 130ps	class ti 120	nova tf 110	nova ti 105	nova tf 100
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	S	-	-	O	-
-	-	-	-	-	O	-
O	O	-	-	-	-	-
S	-	-	-	-	O	-
O	O	O	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
O	O	-	-	-	-	-
S	O	O	O	O	O	O
O	O	O	O	O	O	O
O	O	O	O	O	O	O
O	O	O	O	O	O	O
O	O	O	-	-	-	-
S	O	-	-	-	-	-
O	O	-	O	O	O	O
O	O	-	O	O	-	-
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