surface planers
class f 520
class f 410
nova f 520
nova f 410

thicknessing planers
class s 630
class s 520
nova s 630
nova s 520

surfacing-thicknessing planers
nova fs 520
nova fs 410

planers

The wide range of planers available on the market.

class

The best solution for every application.

nova

Guaranteed quality at your fingertips.



surface planers
class f 520
class f 410
nova f 520
nova f 410



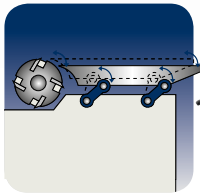


		class f 520	class f 410	nova f 520	nova f 410
Working width	mm	520	410	520	410
Cutterblock diameter (standard knives)	mm/no.	120/4	120/4	120/4	120/4
Max. stock removal	mm	8	8	8	8
Total work tables length	mm	2750	2610	2750	2610
Three-phase motors starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)	5 (6) / 50 (60)

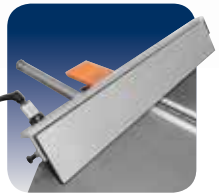
Find the complete technical specification at page 36







Feeding
on Connecting Rods
constant precision



Surface Fence
high rigidity



Integrated Protection
ergonomics and safety

Perfect surfaces, practical
and safe, ergonomics.

thicknessing planers

class s 630
class s 520
nova s 630
nova s 520



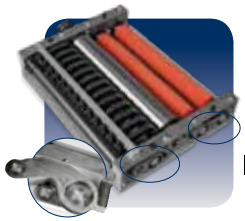


		class s 630	class s 520	nova s 630	nova s 520
Working width	mm	630	520	630	520
Cutterblock diameter (standard knives)	mm/no.	120/4	120/4	120/4	120/4
Max. stock removal	mm	8	8	8	8
Feed speed on thicknesser	m/min	4 ÷ 20	4 ÷ 20	5/8/12/18	5/8/12/18
Min. ÷ max. working height on thicknesser	mm	3,5 ÷ 300	3,5 ÷ 300	3,5 ÷ 300	3,5 ÷ 300
Three-phase motors starting from	kW/Hz	7 (8) / 50 (60)	7 (8) / 50 (60)	7 (8) / 50 (60)	7 (8) / 50 (60)

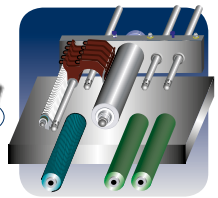
Find the complete technical specification at page 36







Rollers on Connecting Rods
perfect finish



Interchangeable Rollers
for every requirement



SCM Spindle
simple and rapid

Easy to use and precise, stylish with practical design, a wider range of applications.

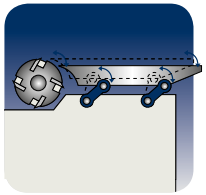
surfacing-thicknessing planers
nova fs 520
nova fs 410



		nova fs 520	nova fs 410
Working width	mm	520	410
Cutterblock diameter (standard knives)	mm/no.	120/4	95/4
Total work tables length	mm	2250	2200
Min. ÷ max. working height on thicknesser	mm	3,5 ÷ 240	3,5 ÷ 240
Three-phase motors starting from	kW/Hz	7 (8) / 50 (60)	5 (6) / 50 (60)

Find the complete technical specification at page 36





Feeding on Connecting Rods
constant precision



Thicknessing Table
rigidity and precision



Surface Fence
high rigidity



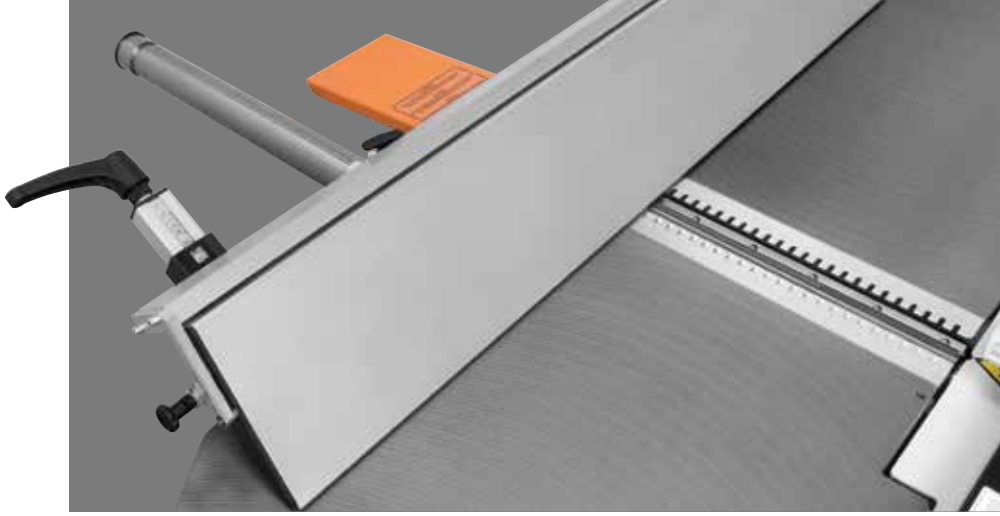
Easy and rapid to use with great performance in a limited space.

planers operating units

absolute rigidity

Surface fence

High rigid fence with a smooth movement thanks to the **central locking on round bar.** The graduated scale facilitates the operator in positioning the guide to the required tilting.

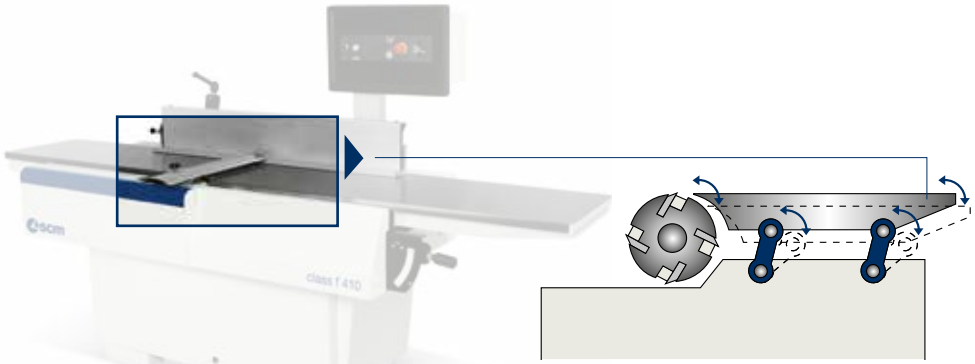




a guarantee of perfect planarity

Simultaneous raising of the work tables

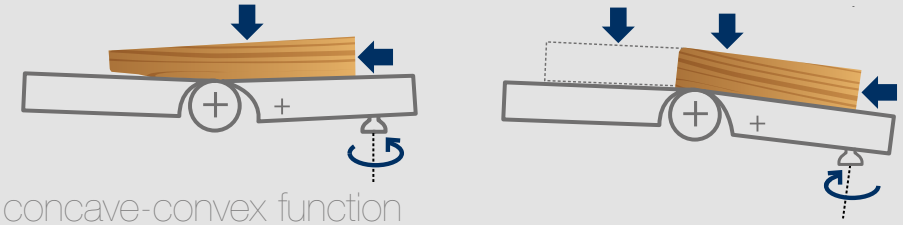
The system allows the **changeover from planer to thicknesser** with a single movement ensuring working rapidity and precision.



constant precision over time

Feeding on connecting rods

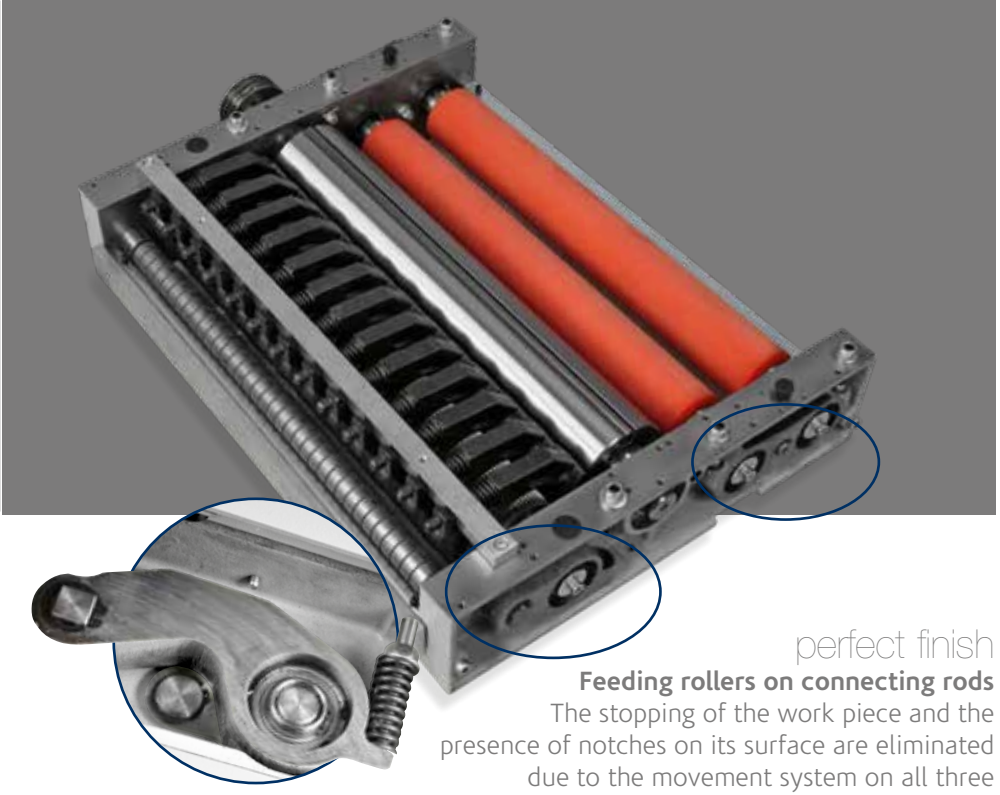
Very accurate machining with the movement of the infeed table by means of a parallelogram **kinetic mechanism which always gives the same distance between the cutterblock and the table.** The system operating directly on the connecting rods avoids any exertion to the table assuring constant planarity over time.



concave-convex function

Perfect joints every time

The available settings allow **perfect bonding** of the components giving excellent coupling and eliminating any joint line. (*class*)



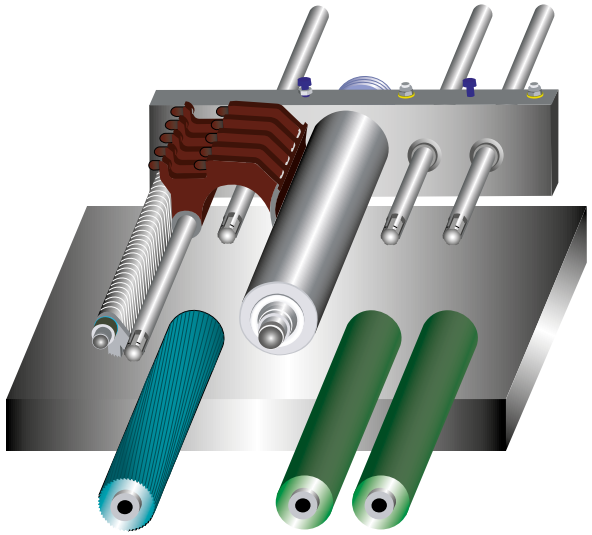
perfect finish

Feeding rollers on connecting rods
The stopping of the work piece and the presence of notches on its surface are eliminated due to the movement system on all three rollers, that allows their vertical displacement by rotation and the **best linear feeding.** Perfect surfaces and high feeding performance with the standard rubber rollers.



Easy and rapid in use

SCM cutterblock
The cutter block is made from a single block of steel ensuring complete stability even under heavy dynamic loads.



one machine for every requirement

Interchangeable rollers
Perfect finish obtained by quick and easy changeover of the rollers that allows the operator to configure the machine drive function in case of special requirements, such as a minimum removal of fine wood and/or batches where multiple pieces of different thicknesses are processed.
(Third powered for nova thicknessing planers available as option).

Powered work table lifting with micrometric adjustment.
(With digital readout for class planers)

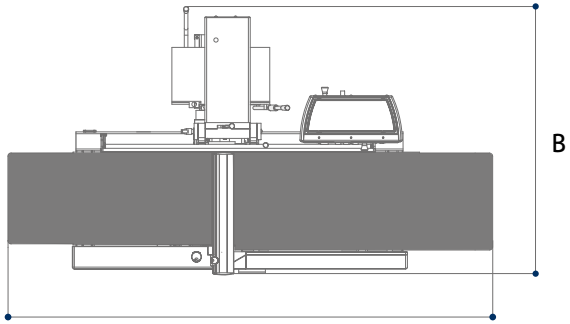
Feed speed controlled by inverter from control panel and dedicated warning light to indicate to higher speed.
(class)

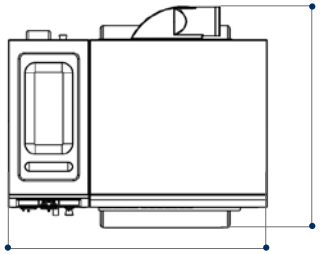
The 4 screws with a large diameter combined with the 2 side linear guides ensure worktable stability. The integrated protections guarantee high precision and reliability over time.

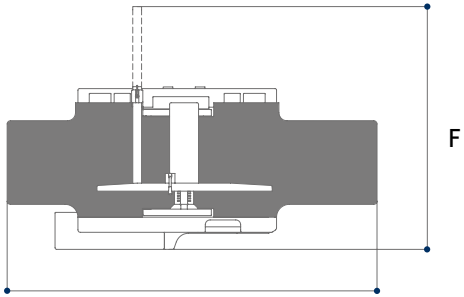
Pneumatic load adjustment on the rollers for the best finish and effectiveness of the feeding of any material and in any working condition.
(Option for class thicknessing planers)



planers
dimensions and technical data







		class f 520	class f 410	nova f 520
Working width	mm	520	410	520
Cutter-block diameter (standard knives)	mm/no.	120/4	120/4	120/4
Standard knives dimensions	mm	35 x 3 x 520	35 x 3 x 410	35 x 3 x 520
Maximum stock removal	mm	8	8	8
Total length of surface tables	mm	2750	2610	2750
Thicknessing table dimensions	mm	-	-	-
Feed speed on thicknesser	m/min	-	-	-
Min. ÷ max. working height on thicknesser	mm	-	-	-
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
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz		-	-	-
Exhaust hood diameter	mm	120	120	120

S Standard
O Option

		class f 520	class f 410	nova f 520	nova f 410	class s 630	class s 520	nova s 630	nova s 520	nova fs 520	nova fs 410
A	mm	2750	2610	2750	2610	-	-	-	-	-	-
B	mm	1416	1155	1415	1150	-	-	-	-	-	-
C	mm	-	-	-	-	1280	1130	1275	1140	-	-
D	mm	-	-	-	-	1095	1017	1080	1003	-	-
E	mm	-	-	-	-	-	-	-	-	2250	2200
F	mm	-	-	-	-	-	-	-	-	1510	1200

nova f 410	class s 630	class s 520	nova s 630	nova s 520	nova fs 520	nova fs 410
410	630	520	630	520	520	410
120/4	120/4	120/4	120/4	120/4	120/4	95/4
35 x 3 x 410	35 x 3 x 640	35 x 3 x 520	35 x 3 x 640	35 x 3 x 520	30 x 3 x 520	30 x 3 x 410
8	8	8	8	8	5	5
2610	-	-	-	-	2250	2200
-	640 x 1000	530 x 900	640 x 1000	530 x 900	520 x 850	410 x 775
-	4 ÷ 20	4 ÷ 20	5/8/12/18	5/8/12/18	5/8/12/18	6/12
-	3,5 ÷ 300	3,5 ÷ 300	3,5 ÷ 300	3,5 ÷ 300	3,5 ÷ 240	3,5 ÷ 240
S	-	-	-	-	-	S
O	S	S	S	S	S	O
-	O	O	O	O	O	-
120	150	150	150	150	120	120

planers main optional devices

"Xylent" spiralknife cutterblock
The 3 spiralknives give an exceptional finish. R**educed 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.





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



Additional overturning fence
Integrated in the surface fence, it ensures perfect operator safety when machining small dimensioned work pieces.



"Tersa" monoblock cutterblock
The cutter block is made from a single block of steel ensuring complete stability even under heavy dynamic loads. Automatic knives clamping by means of the centrifugal force ensures safe and precise machining. The system, without fixing screws, makes knives substitution extremely fast.

"Smart Lifter" integrated protection
The protection system, **developed by SCM**, is perfectly integrated into the machine base for **maximum protection** while excluding any hindrance or obstruction in the work. The protection with automatic vertical, horizontal and tilted movements **provides complete coverage of the tool** before, during and after machining.





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

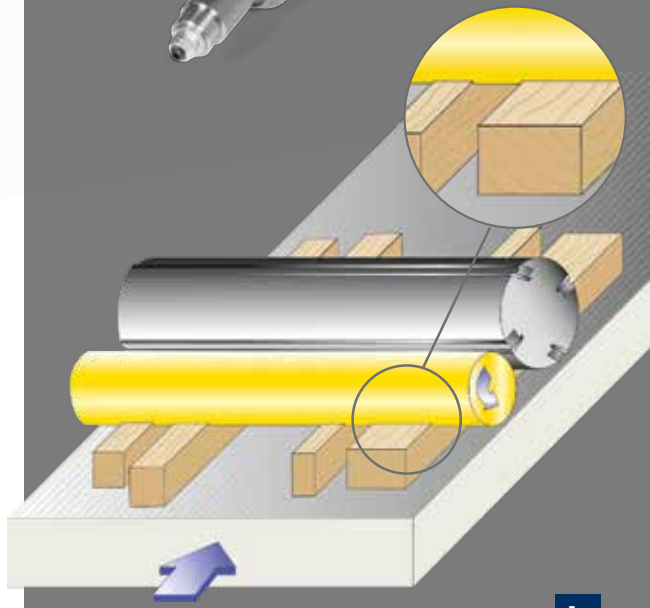
Outfeed rollers in sandblasted steel
For a perfect post-processing finish.



Special rollers
The sectioned steel roller (a) and the **dual-density rubber roller** (b) allow the simultaneous processing of different thicknesses giving great results even with minimum removal. With the dual-density rubber roller, the edges are not damaged even when the work pieces are not perfectly aligned. Suitable also for upgraded woods and/or thin thicknesses.



a



b



Work table extension
A single operator can easily move very long panels or introduce a second one without going to the outside to stop the first one.



Thicknessing table with idle rollers
It enables the feeding of moist and/or resinous wood. Particularly suitable for heavy duty woodworking operations and with rough work pieces.

planers
main optional devices

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



S Standard
O Option

	class f 520	class f 410	nova f 520	nova f 410	class s 630	class s 520	nova s 630	nova s 520	nova fs 520	nova fs 410
"Tersa" cutter block	O	O	O	O	O	O	O	O	O	O
"Xylent" spiralknife cutterblock with 3 spiralknives	O	O	O	O	O	O	O	O	O	O
Maintenance case for "Xylent" spiralknife	O	O	O	O	O	O	O	O	O	O
Additional overturning fence for processing of thin workpieces	O	O	O	O	-	-	-	-	O	O
"Smart Lifter" protection	O	O	-	-	-	-	-	-	-	-
Work table with no. 2 idle rollers	-	-	-	-	O	O	O	O	O	-
First front roller with rubber coating in place of the grooved steel one	-	-	-	-	O	O	-	-	-	-
First front sectioned steel roller in place of the grooved one	-	-	-	-	O	O	O	O	-	-
First front dual-density rubber roller in place of the grooved steel one	-	-	-	-	O	O	-	-	-	-
Outfeed steel rollers in place of the rubber-coated ones	-	-	-	-	O	O	O	O	-	-
Powered thicknessing table lifting with micrometric movement	-	-	-	-	S	S	S	S	O	O
Pneumatic pressure adjustment on the feeding rollers	-	-	-	-	O	O	-	-	-	-
Work table extension	-	-	-	-	O	O	-	-	-	-
Machine configuration for advanced materials machining	-	-	-	-	O	-	-	-	-	-
Cast-iron mortiser	-	-	-	-	-	-	-	-	O	O

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