



manual circular saw nova si 300

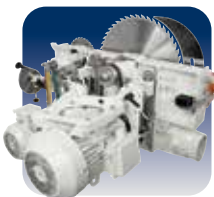


		nova si 300	nova si 300s
Max. saw blade diameter with installed scoring unit	mm	315	315 ÷ 400
Max. saw blade projection from the table at 90°/45°	mm	100/70	100/70 (with 315 mm blade) 140/97 (with 400 mm blade)
Saw blade rotating speed	rpm	4000	4000 (with 315 mm blade) 3700 (with 400 mm blade)
Squaring stroke	mm	3200 ÷ 3800	1600
Cutting width on rip fence	mm	1000 ÷ 1500	1000 ÷ 1500
Three-phase motors power starting from	kW/Hz	5 (6) / 50 (60)	5 (6) / 50 (60) (with 315 mm blade) 7 (8) / 50 (60) (with 400 mm blade)

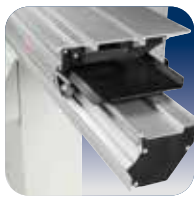
Find the complete technical specification at page 16



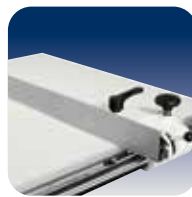
manual circular saw nova si 300s



Saw Unit
sturdy structure



Sliding Carriage
high cutting quality



Rip Fence
rapidity and
accuracy



**SCM
Thundercut
Optimizer/
Sequencer App**

Essential configuration with complete equipment to carry out professional machining.

circular saws operating groups



sturdy structure

Saw Unit

The saw blade lifting is carried out by a strong cast-iron structure with sliding on ground round slideways which guarantee the **best accuracy**.

The unit tilting is carried out on cast-iron rotation sectors in a crescent shape to ensure reliability over time.

always user friendly and precise

Handwheels on the machine front

Ease-of-use in every day operation due to the dedicated gear box (**SCM solution**), fully protected from dust, that provides a smooth and direct transmission.

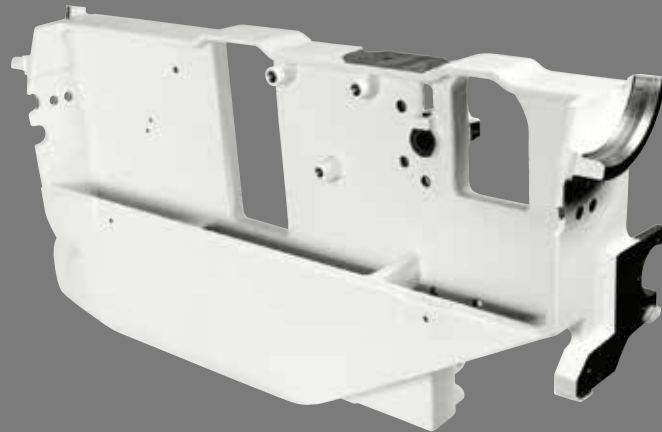
Every minimum hand-wheel movement corresponds to a precise blade adjustment.



perfect cut

Saw unit

Maximum torsional rigidity and the total absence of vibration through the closed loop structure of the saw unit which ensures **perfect alignment of the blades** during tilted and difficult cuts.



simple and effective

Scoring unit adjustment

Vertical and horizontal adjustments are carried out by user-friendly mechanical levers that operate directly making **precise and smooth movements**. The useful mechanical stops allow immediately finding of the set position. The positioning of the controls allows their use without moving from the front of the machine.





maximum cut quality guaranteed over time

Sliding carriage

The carriage will never require adjustment due to its closed reticular geometry with steel guides using an **exclusive method of mechanical fixing**.



reliability and technology without comparison
10 years of SCM guarantee for the carriage sliding system.

smooth, rapid and
precise positioning

Rip fence

Sliding of the rip fence support on round bar with micrometric adjustment. The support can be also equipped with digital readout for fence position with detecting system on magnetic band (option). The fence can be easily excluded from the working area when it isn't used.



optimal support

Squaring frame and fence

Panel loading is easy on the large squaring frame with an idle roller at the end and the mobile cross beams offer an **optimal support** also to smaller panels. The telescopic squaring fence with the inclined metric scale and two reversible stops can be used to square panels measuring 3200x3800 mm and for tilted cuts at up to 45° on both sides of the frame.

nova si 400ep electronic controls



the practical advantage for automatic control of the main positions

Ready

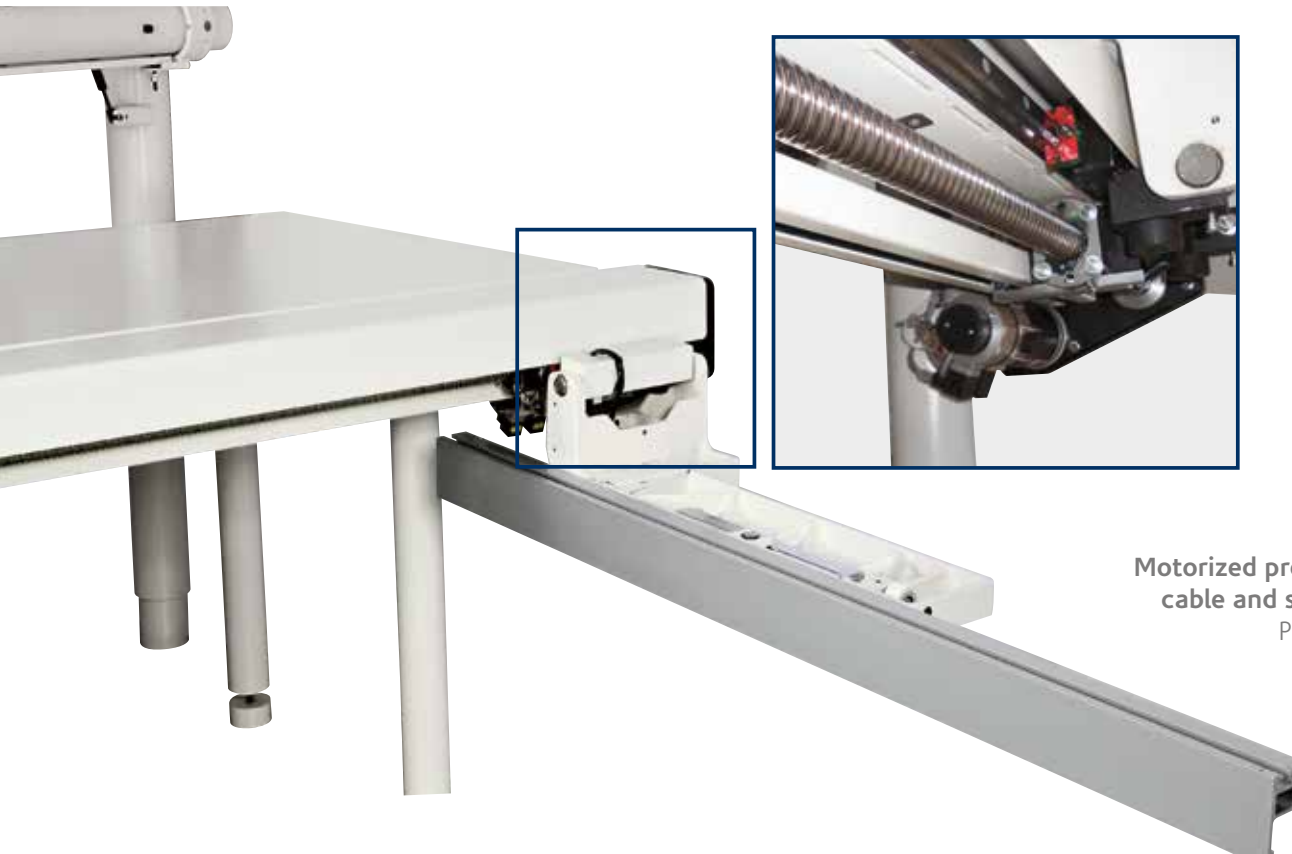
The **programming** of the work becomes **simple and effective** with the electronic control with a 4" LCD display.

- Working mode: manual, semi-automatic and automatic with a memory capacity of up to 99 programs
- Tool data setting with automatic height adjustment
- Calculator and hour counter

speed and accuracy

Motorised programmable rip fence mounted on a recirculating ball screw mechanism with sliding on linear guides.

Only for Ready 3 UP Plus version



Saw unit lifting



Saw unit tilting



Programmable rip fence (option)



Blade speed readout

practicality and safety

Motorized programmable rip fence with steel cable and sliding on sturdy round steel bar.

Position readout on magnetic band.

Only for Ready 3 version



circular saws main optional devices

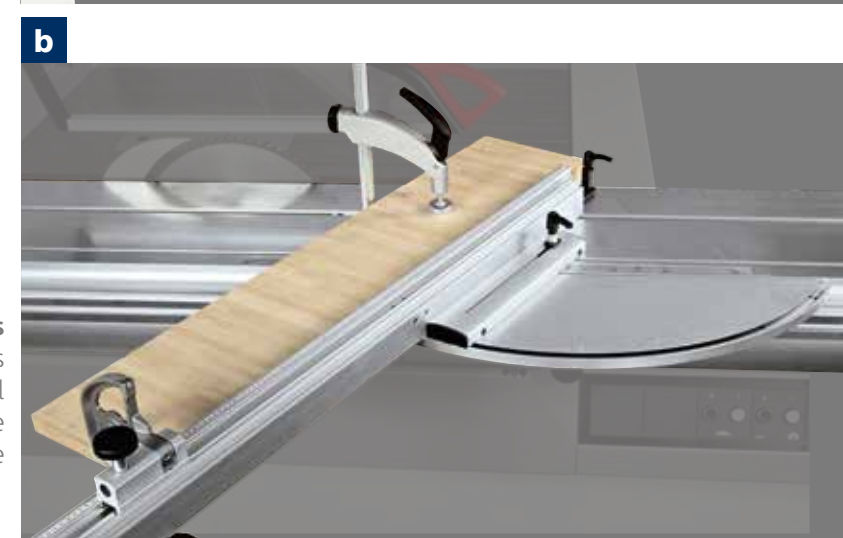
Tablet holder on the sliding carriage
Compatible with tablets from 8" to 11".



Adjustable tablet holder positioned on the mobile control panel
Compatible with tablets from 7" to 13".
It is equipped with USB port for power supply positioned on the mobile control panel.

Rip fence unit

The exclusive referencing system for the first trim cut allows the setting of trim quantity to be cut for every side **without any test cuts**.

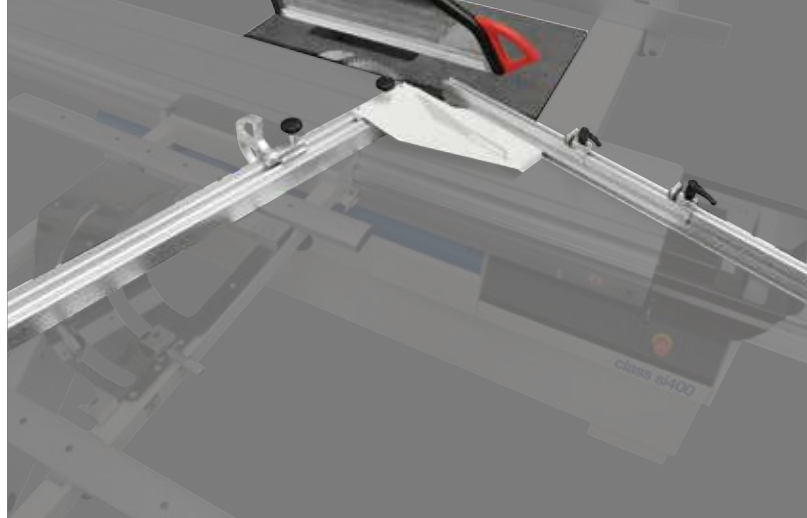


Angular cutting devices

Available for the following versions

- a) traditional
- b) with automatic self-adjustment of the stops position in respect of the blade

circular saws main optional devices



Fence for complementary cutting

Device to be applied directly on the squaring rule that allows to quickly carry out cuts with angles complementary to the rule one.

Squaring frame with "Compex" device with automatic self-adjustment of stops position in respect of the blade and rule tilting angle. Furthermore, thanks to the dedicated frame structure, it is possible to carry out **tilted cuts keeping the squaring rule comfortably within the operator's reach**, both in acute cuts and in obtuse ones, without renouncing to a valid support of the piece.



Mechanical preset for "DADO" machining

Possibility of using a tool (not included) to replace the main blade, with 203 mm maximum diameter and 20 mm maximum thickness.

Electronic readouts on the squaring stops

The stops can be easily read even from distance.





Expandable scoring blade

Manually expandable with variable thickness from 2,8 to 3,6 mm. Blade diameter: 120 mm.



"LED indicating scoring unit in operation" device

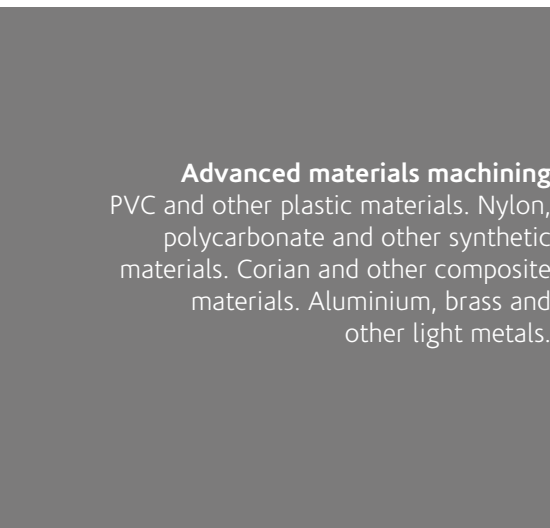
When the scoring blade is working, the high efficiency LEDs clearly indicate the danger area, making the machine safer than ever.



maximum practicality

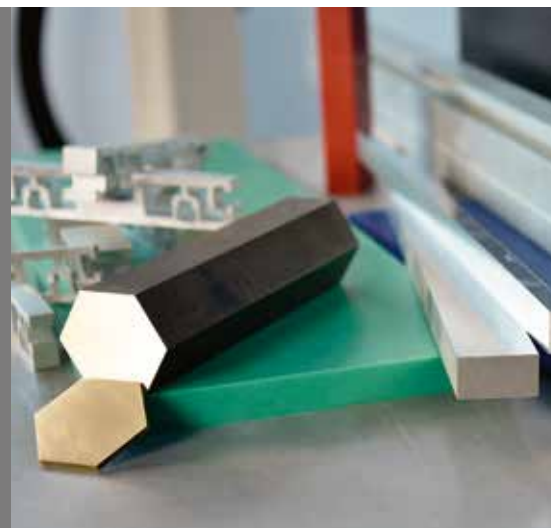
Pushbuttons integrated in the sliding carriage

The possibility to start or stop the blades motors from the pushbuttons located at the ends of the carriage **considerably helps when machining large dimensioned panels.**



Advanced materials machining

PVC and other plastic materials. Nylon, polycarbonate and other synthetic materials. Corian and other composite materials. Aluminium, brass and other light metals.

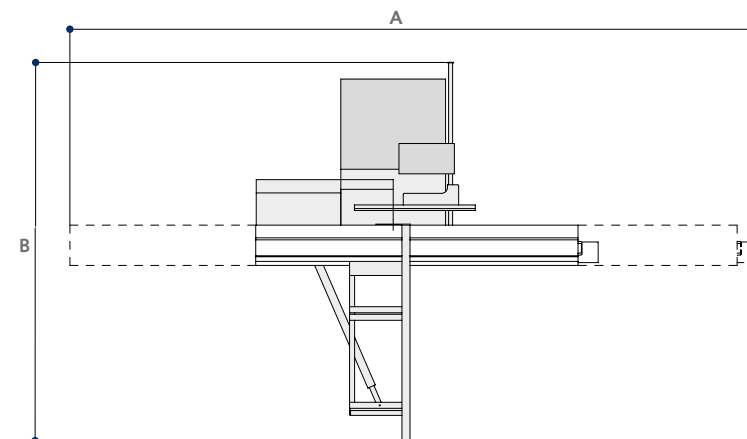


Device for the blade micro-lubrication

Compulsory for the machining of light alloys, extremely useful with particular plastic materials.

circular saws technical data

S Standard
O Option



TECHNICAL DATA		nova si 400ep	nova si 400	nova si 300	nova si 300s
Cast-iron saw table dimensions	mm	1040 x 630	1040 x 630	900 x 550	900 x 550
Blades tilting		90° ÷ 45°	90° ÷ 45°	90° ÷ 45°	90° ÷ 45°
Max. saw blade diameter with installed scoring unit	mm	400	400	315	315 ÷ 400
Max. saw blade projection from the table at 90°/45°	mm	140/70	140/97	100/97	100/70 (with 315 mm blade) 140/97 (with 400 mm blade)
Saw blade rotating speed	rpm	3000/4000/5000	3700	4000	4000 (with 315 mm blade) 3700 (with 400 mm blade)
Squaring stroke	mm	3200 ÷ 3800	3200 ÷ 3800	3200 ÷ 3800	1600
Cutting width on rip fence	mm	1000 ÷ 1500	1000 ÷ 1500	1000 ÷ 1500	1000 ÷ 1500
other technical features					
Three-phase motors 5 kW (6,6 hp) 50 Hz - 6 kW (8 hp) 60 Hz		-	-	S	S
Three-phase motors 7 kW (9,5 hp) 50 Hz - 8 kW (11 hp) 60 Hz		S	S	O	O
Three-phase motors 9 kW (12 hp) 50 Hz - 11 kW (15 hp) 60 Hz		O	O	-	-
Three-phase motors 14 kW (19 hp) 50 Hz - 14 kW (19 hp) 60 Hz		-	-	-	-
Exhaus hoods diameter:					
- at the base	mm	120	120	120	120
- on overhead protection	mm	80	80	80	80
- on riving knife	mm	-	60	60	60

OVERALL DIMENSIONS		nova si 400ep	nova si 400	nova si 300	nova si 300s
A with 1600 mm carriage	mm	-	-	-	3760
A with 3200 mm carriage	mm	7100	7100	7100	-
A with 3800 mm carriage	mm	8140	8140	8140	-
B with 1000 mm cutting width on rip fence	mm	4870	4870	4870	3115
B with 1270 mm cutting width on rip fence	mm	5155	5155	5155	3400
B with 1500 mm cutting width on rip fence	mm	5370	5370	5370	3615

MAIN OPTIONAL DEVICES		nova si 400ep	nova si 400	nova si 300	nova si 300s
"Ready 3" version		O	-	-	-
"Ready 3 UP" version		O	-	-	-
"Ready 3 UP Plus" version		O	-	-	-
"CUT 140" version		-	-	-	O
"SCM Thundercut" Optimizer/Sequencer App		S	S	S	S
Expandable scoring blade		O	O	O	O
Pushbuttons integrated in the sliding carriage		O	O	O	-
Squaring fence with LCD readouts for stops position		O	O	O	-
Fence for angular cutting on the sliding carriage		O	O	O	O
Fence for angular cutting with self-adjustment		O	O	O	O
Squaring frame with "Compex" device		O	O	O	-
Fence for complementary cutting		O	O	O	-
Fence for rip cutting on the sliding carriage		O	O	O	O
Electronic readout of parallel fence position		O	O	O	O
Adjustable tablet holder positioned on the mobile control panel		O	-	-	-
Tablet holder on the sliding carriage		O	O	O	O
"LED indicating scoring unit in operation" device		O	-	-	-
"DADO" machining		O	O	O	O
Machine configuration for advanced materials machining		O	O	O	O
Device for the blade micro-lubrication for the machining of plastic materials and light alloy		O	O	O	O
Overhead blades protection		S	S*	O	O

* Standard for CE and USA-Canada versions; Option for NO CE version