



# programmable circular saw nova si x

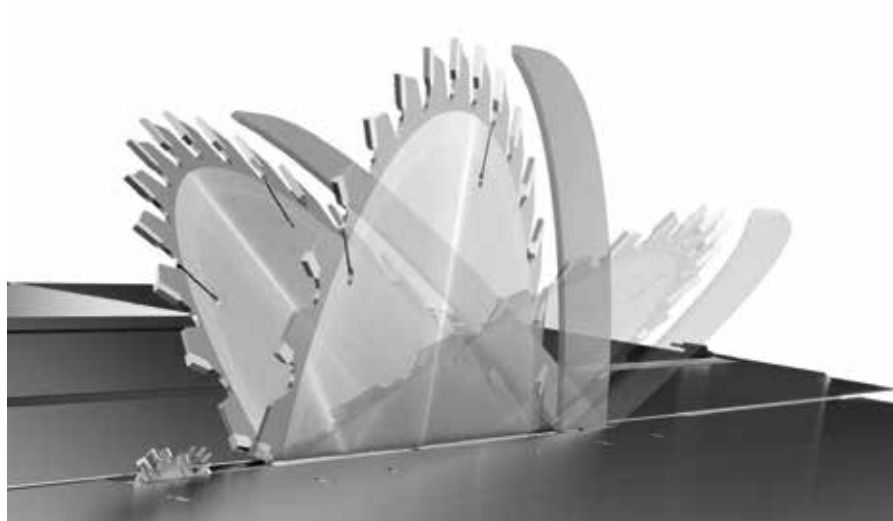


±46° double tilting blade.

		nova si x	nova si 40	nova si 30
Max. saw blade diameter <b>with installed scoring unit</b>	mm	400	400	315
Max. saw blade projection from the table at 90°/+45°/-45°	mm	136/97/60	136/97/-	90/70/-
Saw blade rotating speed	rpm	4000	4000	4000
Squaring stroke	mm	2600 ÷ 3200	2600 ÷ 3200	2600 ÷ 3200
Cutting width on rip fence	mm	1270	1270	1270
Three-phase motors power starting from	kW/Hz	7	5	5

Find the complete technical specification at page 26

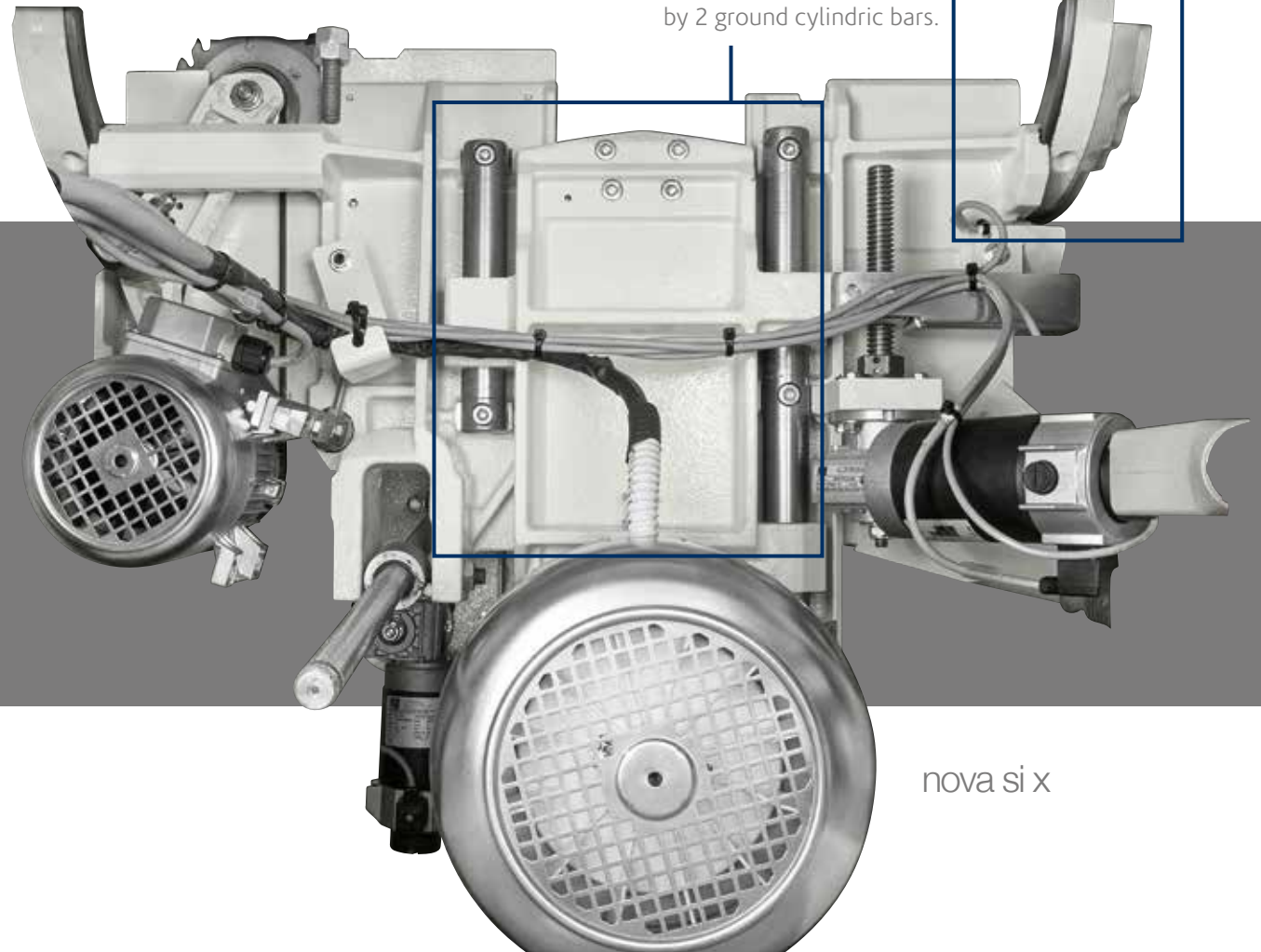
# circular saws operating groups



double tilting at  
everybody's reach

The  $\pm 46^\circ$  tilting of the  
unit is done by 2 wide  
semi-circular fences.

For *nova si x* the lifting  
of the blade unit is done  
by 2 ground cylindric bars.



sturdy structure

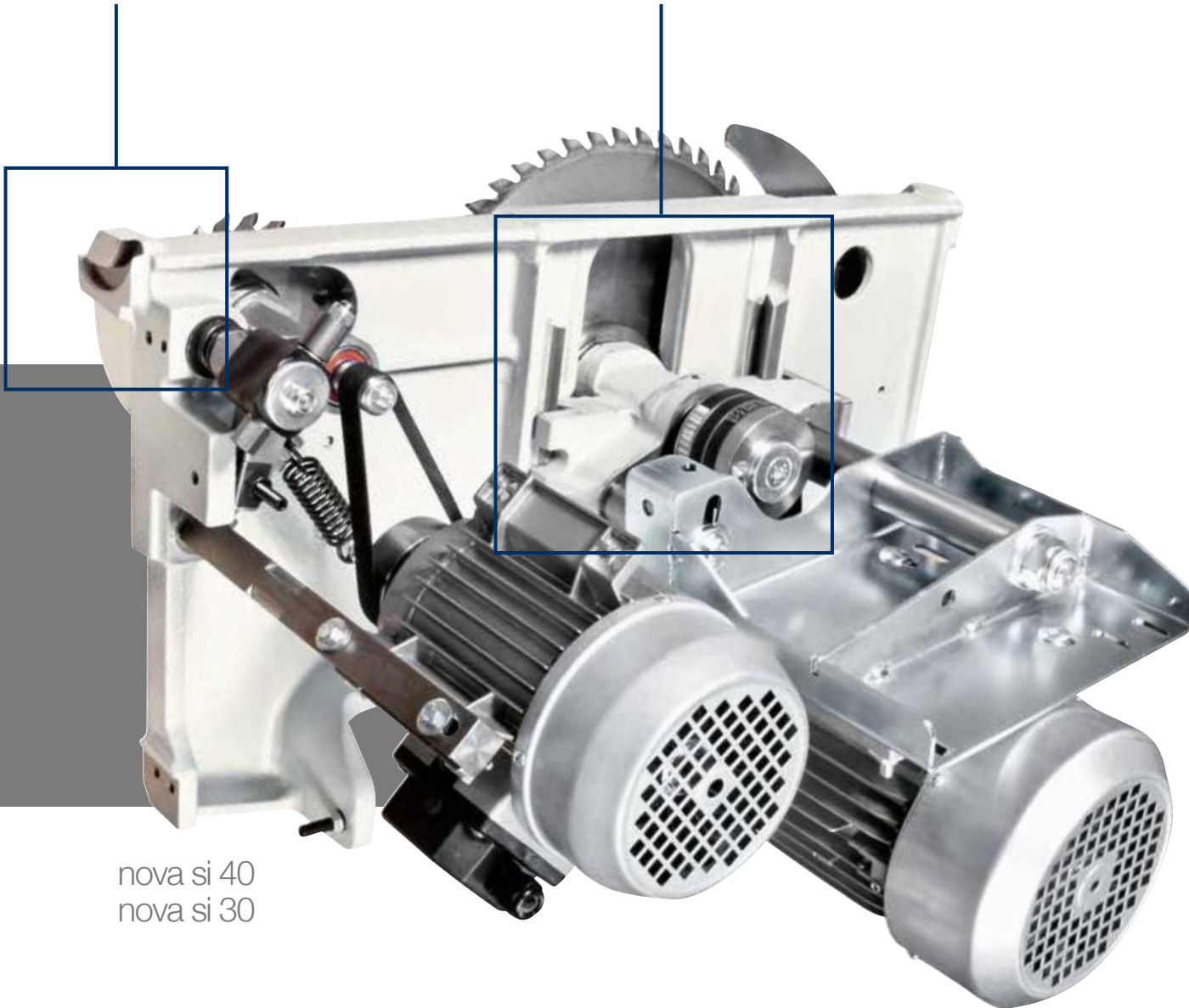
## Saw Unit

Saw units with a stiff cast-iron structure which can accommodate a blade of 400 mm diameter (315 mm for *nova si 30*) **with scoring blade installed**. They ensure a perfect and easy cutting of veneer panels and solid wood material with very high thickness. The saw blade uses 100% of the motor power, thanks to the scoring blade with an independent motor as standard.

nova si x

The rotation fulcrums of the saw unit have a 120 mm diameter and stand on steady crescent shaped rests that separate it from the base: a rigid reliable solution.

For *nova si 40* and *nova si 30*, the lifting of the blade unit is done by a robust cast iron structure with dovetail system.



nova si 40  
nova si 30



The scoring blade is adjustable from the outside without tools and allows fast and accurate positioning with no play.

# circular saws operating groups



unrivalled cutting finishing

## Sliding Carriage

Optimal support also to larger pieces, with the **new sliding table, 360 mm wide.**



Exceptional accuracy and smoothness to secure the guides it is not used glue, since the thickness could affect sliding. They are secured with a **procedure of aluminum riveting.**

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



**Two positions overhead blade protection**, for totally safe machining.  
(nova si x)



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.



immediate control

## Squaring frame and fence

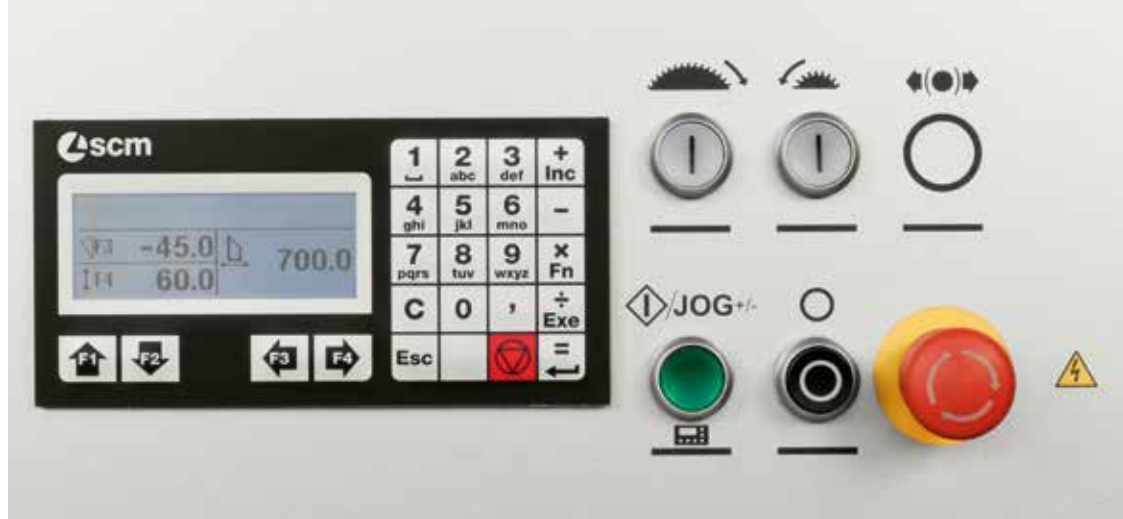
Panel loading is easy on the large squaring frame with an idle roller at the end.

**The telescopic squaring fence with the inclined metric scale and two reversible stops** can be used to square panels measuring 3200x3200 mm and for tilted cuts at up to 45° on both sides of the frame.

# circular saws optional electronic controls

## simple and quick Programmed movement

The "Ready" control manages the powered and programmed movement of the saw blade unit increasing productivity and working quality.  
*(standard for nova si x)*



## Ready 3 / Ready 3 UP

**Automatic positioning of the parallel fence,** from "Ready" control (3 axes). Programmed or manual fence movement with a hold-down drive for the maximum versatility.  
**In addition, the Ready 3 UP version has the control on the mobile control panel.**

**Powered handling of the operating groups with digital readouts**  
For the best accuracy and easy to use.

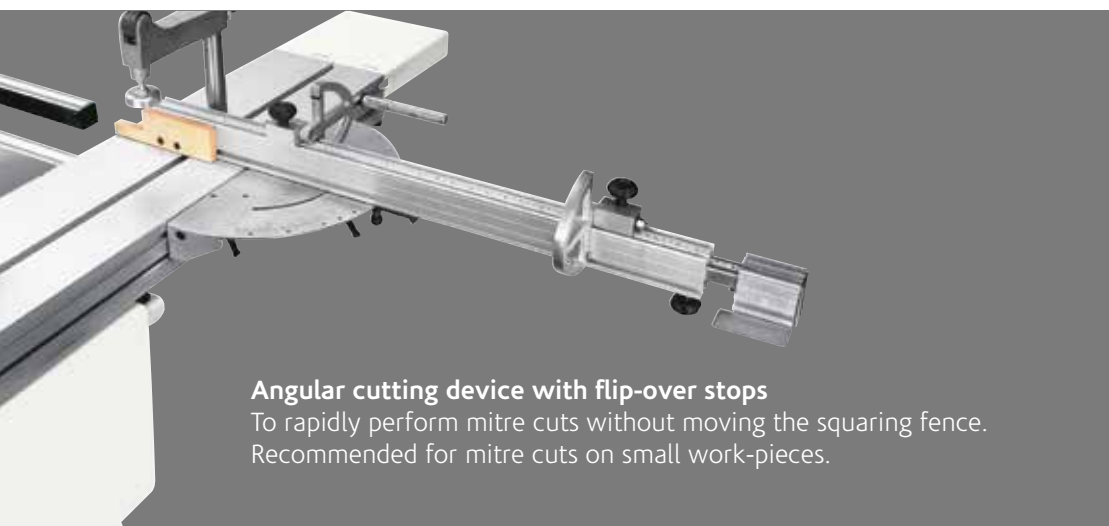


maximum practicality  
**Pushbuttons integrated in the sliding carriage**  
The possibility to start or stop the blades motors from the pushbuttons located at the ends of the carriage **considerably helps when machining large dimensioned panels.**



# circular saws main optional devices

**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.



**Angular cutting device with flip-over stops**  
To rapidly perform mitre cuts without moving the squaring fence. Recommended for mitre cuts on small work-pieces.



**Electronic readouts on the squaring stops**  
The stops can be easily read even from distance.

**Pre-set angular cutting device directly positioned on squaring frame**  
To find rapidly the most common angles with the squaring fence. Useful for large work-pieces.



**Additional table on the sliding carriage**  
For the support of large dimensioned panels.



**Digital readout for the fence position on the parallel fence**  
It allows precise positioning with the magnetic strip sensor.



**Mechanical preset for "DADO" machining**  
Possibility of using a tool (not included) to replace the main blade.



**Expandable scoring blade**  
Manually expandable with variable thickness:  
- from 3,5 to 4,5 mm (blade diameter: 160 mm)  
*nova si x*  
- from 2,8 to 3,6 mm (blade diameter: 120 mm)  
*nova si 40* and *nova si 30*



**Device for the blade micro-lubrication**  
Compulsory for the machining of light alloys, extremely useful with particular plastic materials.



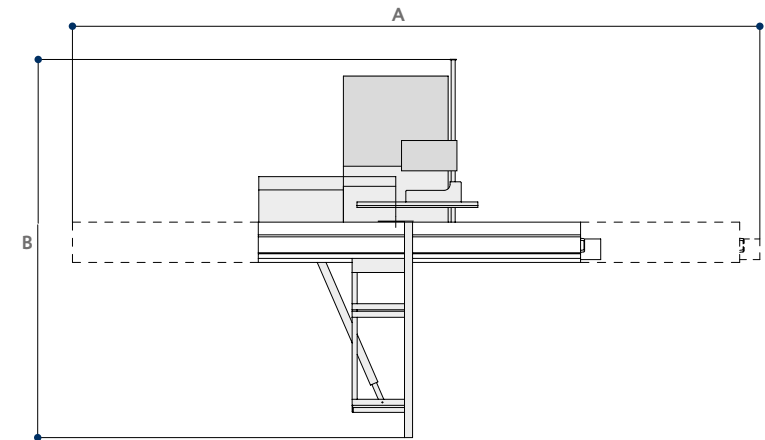
**Tablet holder on the sliding carriage**  
Compatible with tablets from 8" to 11".



**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.

# circular saws technical data

S Standard  
O Option



TECHNICAL DATA		nova si x	nova si 40	nova si 30
Cast-iron saw table dimensions	mm	1000 x 685	940 x 560	940 x 560
Blades tilting		-46° ÷ +46°	90° ÷ 45°	90° ÷ 45°
Max. saw blade diameter <b>with installed scoring unit</b>	mm	400	400	315
Max. saw blade projection from the table at 90°/+45°/-45°	mm	136/97/60	136/97/-	90/70/-
Saw blade rotating speed	rpm	4000	4000	4000
Squaring stroke	mm	2600 ÷ 3200	2600 ÷ 3200	2600 ÷ 3200
Cutting width on rip fence	mm	1270	1270	1270
<b>other technical features</b>				
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	O	O
Exhaus hoods diameter:				
- at the base	mm	120	120	120
- on overhead protection	mm	80	80	80
- on riving knife	mm	-	60	60



**OVERALL DIMENSIONS**

		nova si x	nova si 40	nova si 30
A with 2600 mm carriage	mm	5860	5860	5860
A with 3200 mm carriage	mm	7060	7060	7060
B with manual rip fence	mm	3650	3650	3650
B with automatic rip fence	mm	4820	4820	4820

**MAIN OPTIONAL DEVICES**

	nova si x	nova si 40	nova si 30
"Ready 3" version / Programmed parallel fence	O	O	-
"Ready 3 UP" version	O	O	-
"SCM Thundercut" Optimizer/Sequencer App	S	S	S
Powered handling of the operating groups with digital readouts	-	O	O
Pushbuttons integrated in the sliding carriage	O	O	O
N.2 sawblades speeds (3500/5000 rpm)	O	O	-
Electronic readouts on the squaring stops	O	O	O
Angular cutting device with flip-over stops	O	O	O
Pre-set angular cutting device directly positioned on squaring frame	O	O	O
Squaring frame with "Compex" device	O	O	O
Additional table on the sliding carriage	O	O	O
Digital readout for the fence position on the parallel fence	O	O	O
Adjustable tablet holder positioned on the mobile control panel	O	O	-
Tablet holder on the sliding carriage	O	O	O
Device for the blade micro-lubrication for the machining of plastic materials and light alloy	-	O	-
"DADO" machining	O	O	O**
Overhead blades protection	S	O*	O

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

\*\* Not available for CE version