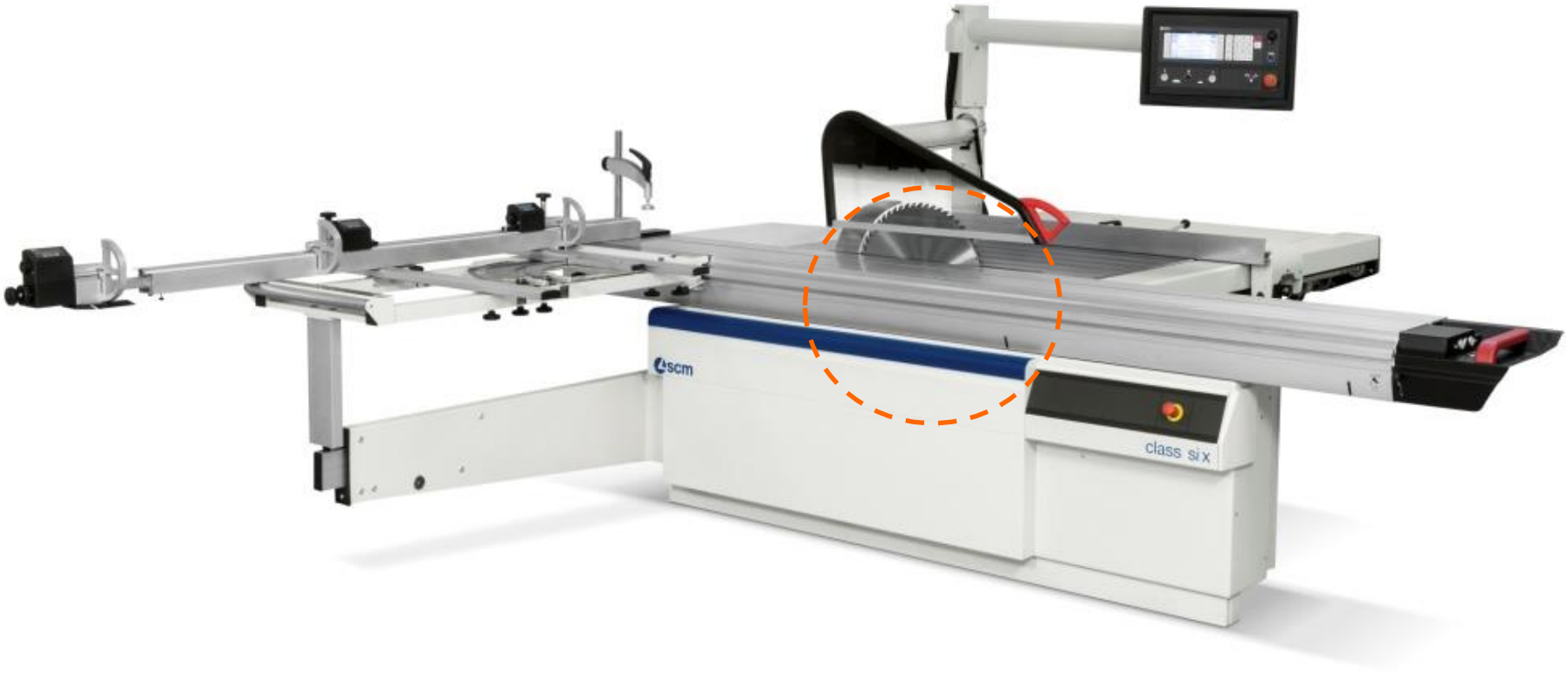
Operating units

The circulars are equipped with the following operating units:

- Sawblade unit



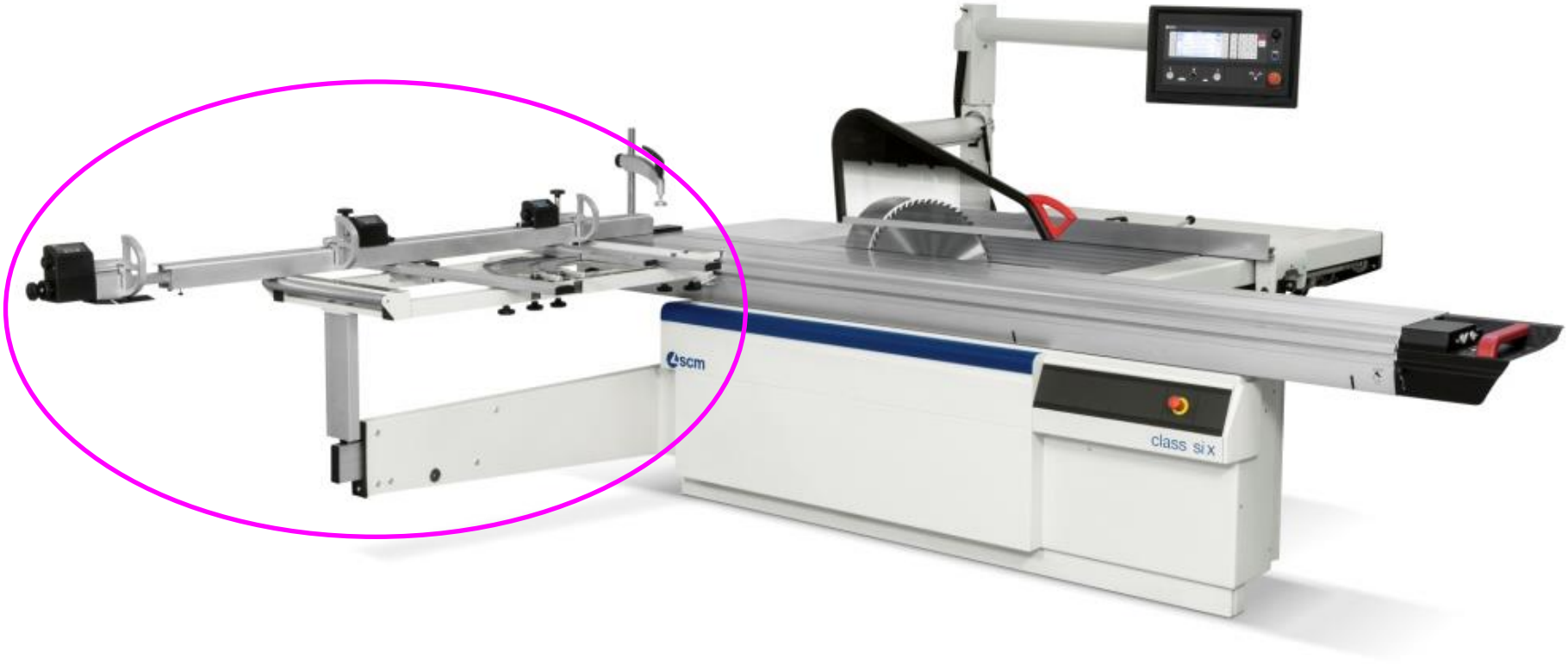
The circulars are equipped with the following operating units:

- Sawblade unit
- Sliding carriage



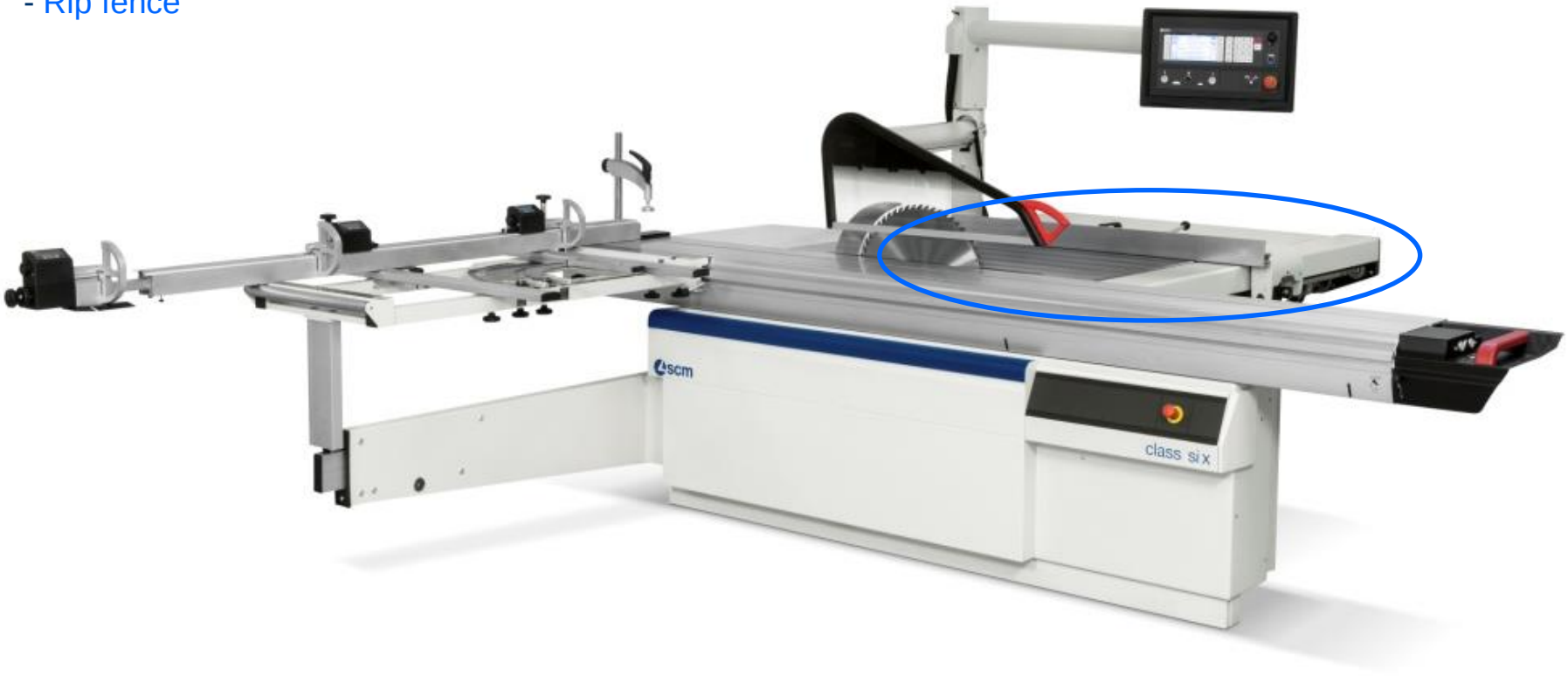
The circulars are equipped with the following operating units:

- Sawblade unit
- Sliding carriage
- Squaring frame with support and squaring rule



The circulars are equipped with the following operating units:

- Sawblade units
- Sliding carriage
- Squaring frame with support and squaring fence
- Rip fence



The circulars are equipped with the following operating unit:

- Sawblade unit
- Sliding carriage
- Squaring frame with support and squaring rule
- Rip fence
- Electronic control

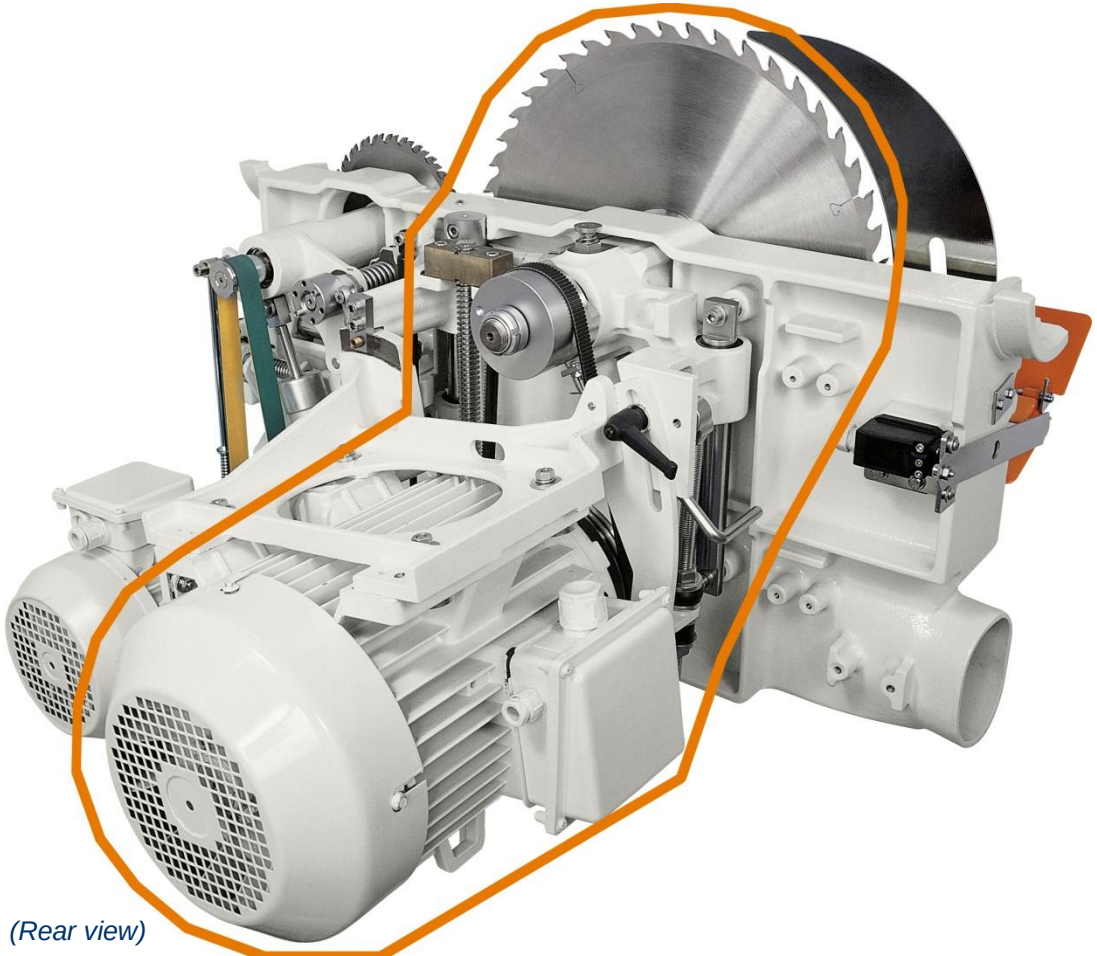


Operating units

Sawblade unit

The main sawblade unit features are the following:

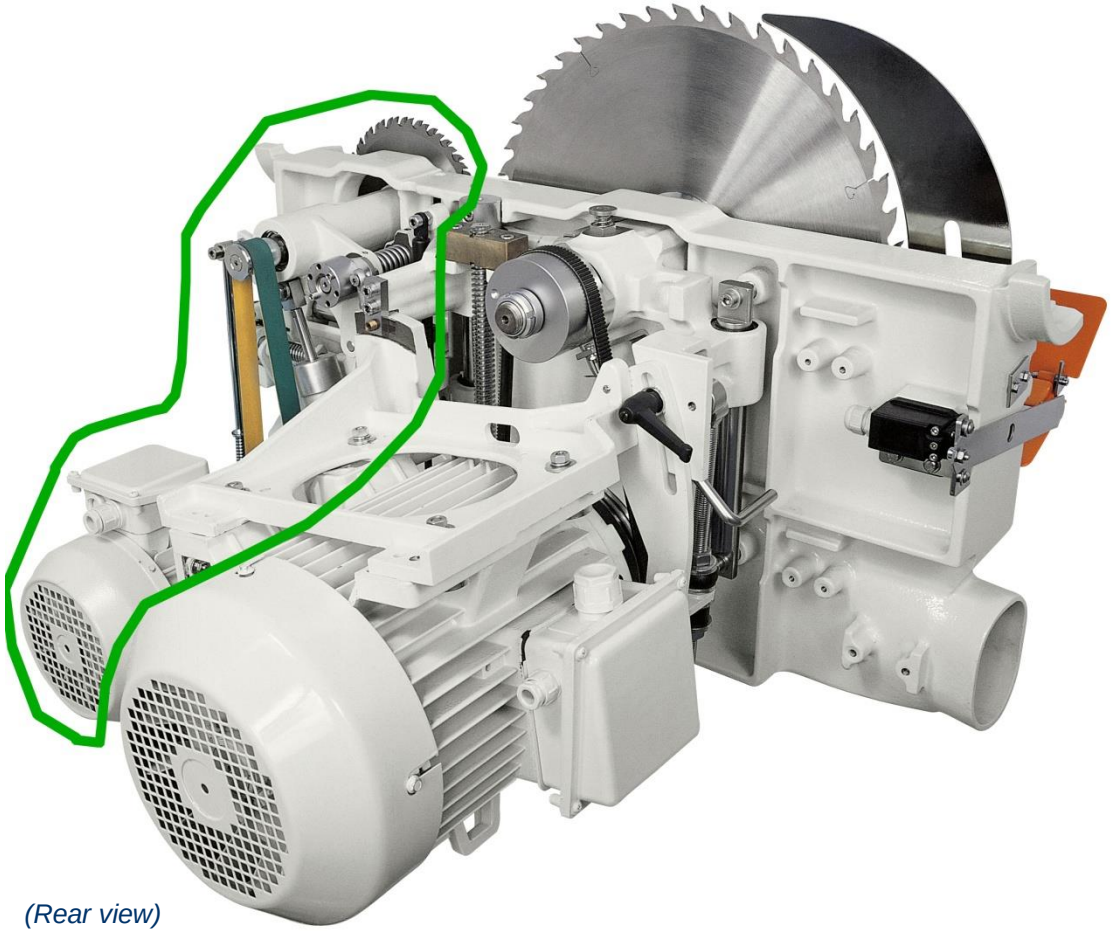
- Sawblade unit



(Rear view)

The main sawblade unit features are the following :

- Sawblade unit
- Scoring blade unit

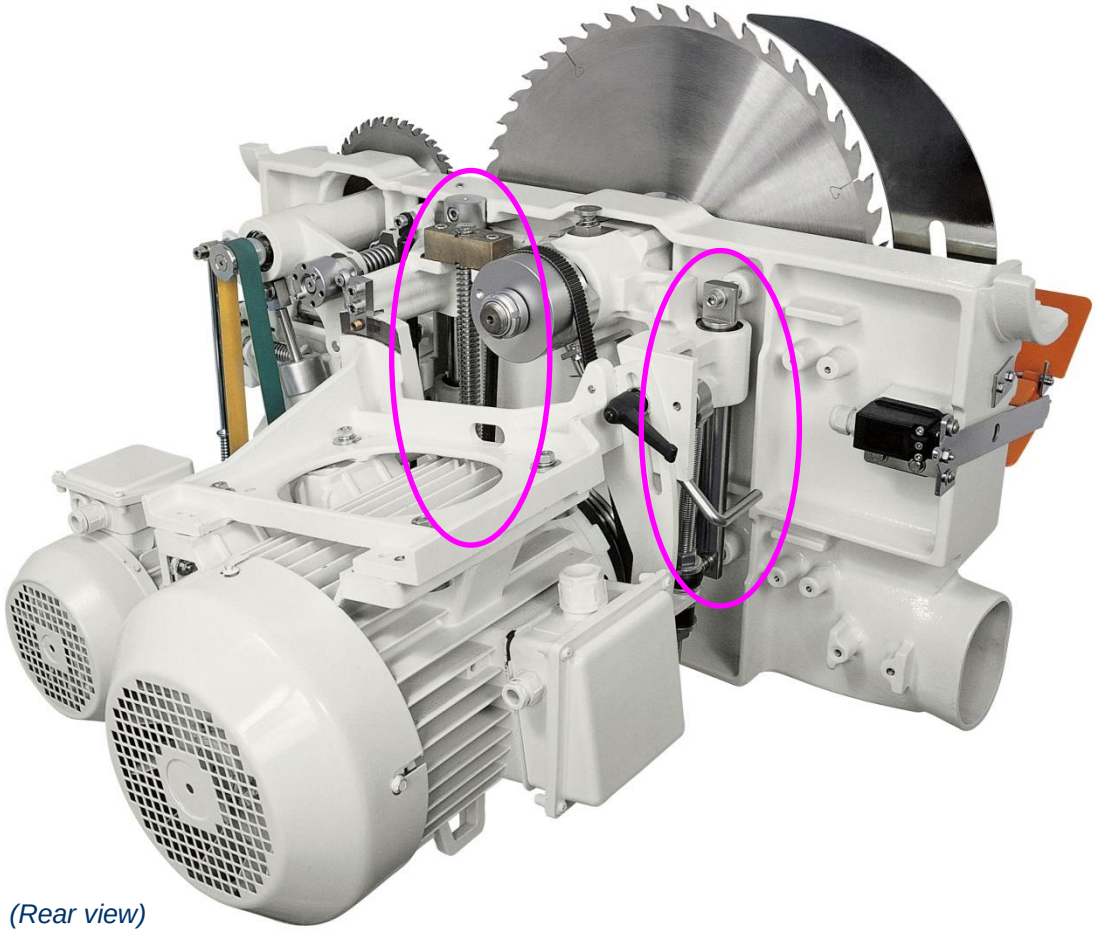


(Rear view)

The main sawblade unit features are:

- Sawblade unit
- Scoring blade unit

Sawblade unit lifting system



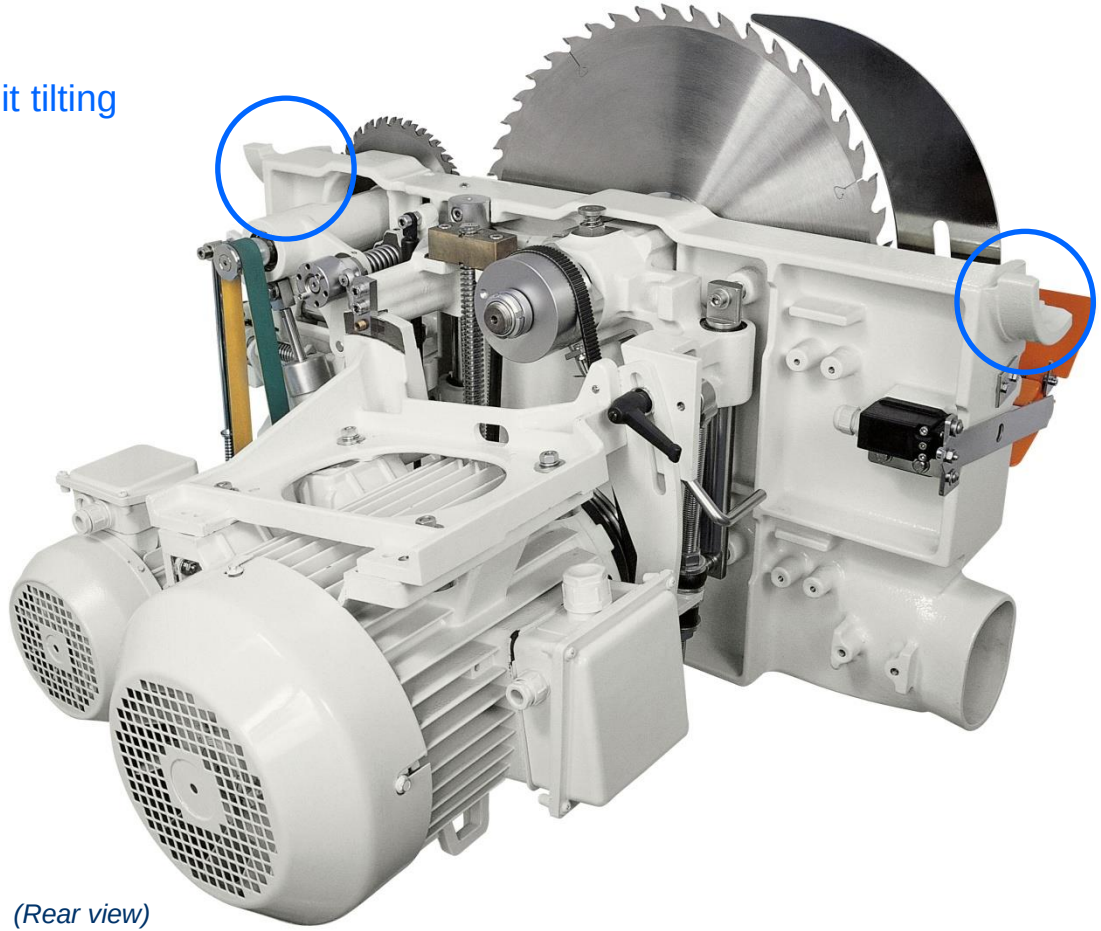
(Rear view)

The main sawblade unit features are the following:

- Sawblade unit
- Scoring blade unit

Sawblade unit tilting system

Sawblade unit lifting system



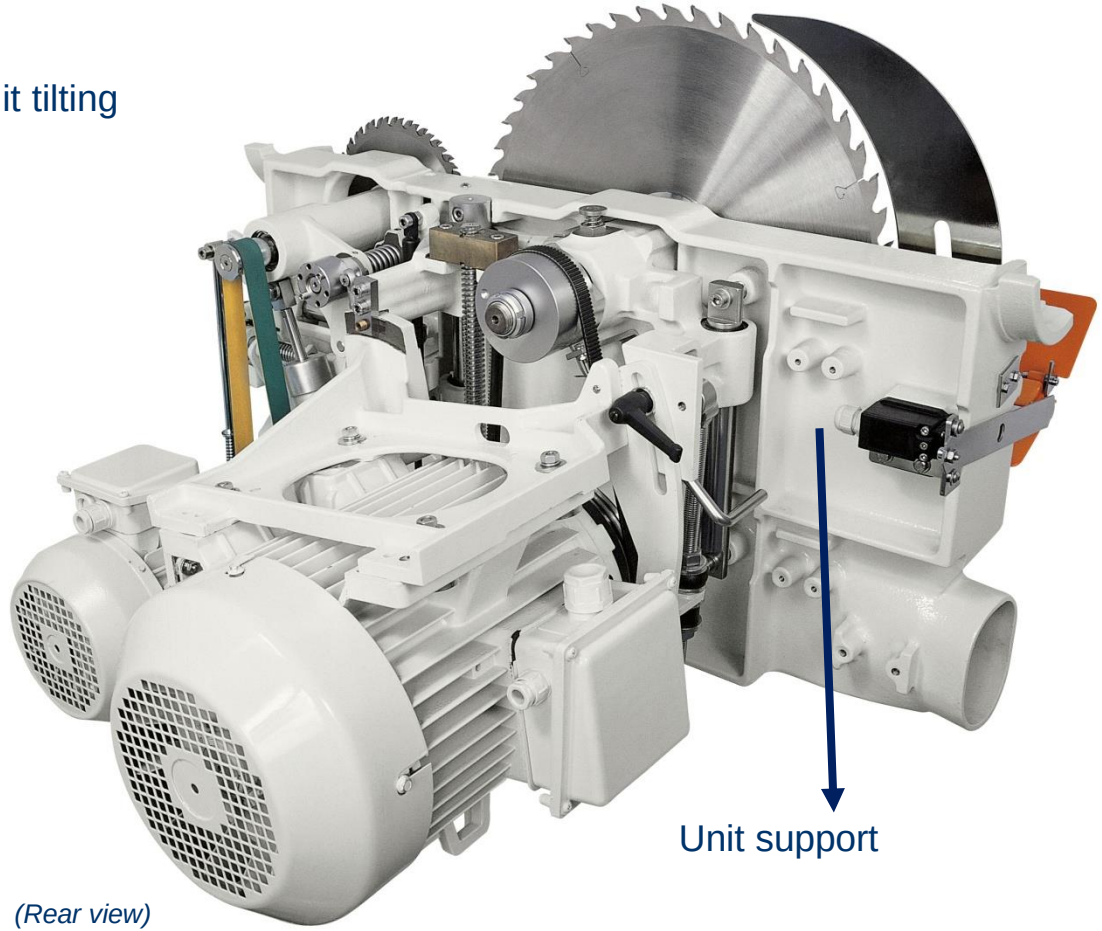
(Rear view)

The main sawblade unit features are the following:

- Sawblade unit
- Scoring blade unit

Sawblade unit tilting system

Sawblade unit lifting system

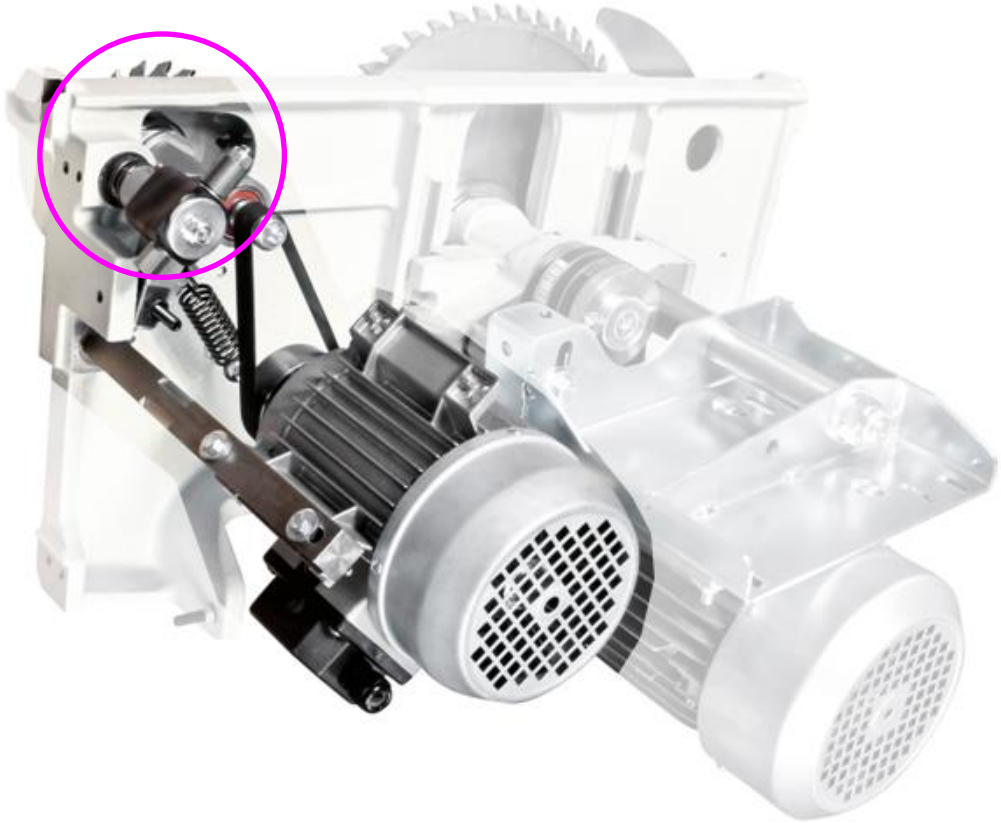


(Rear view)

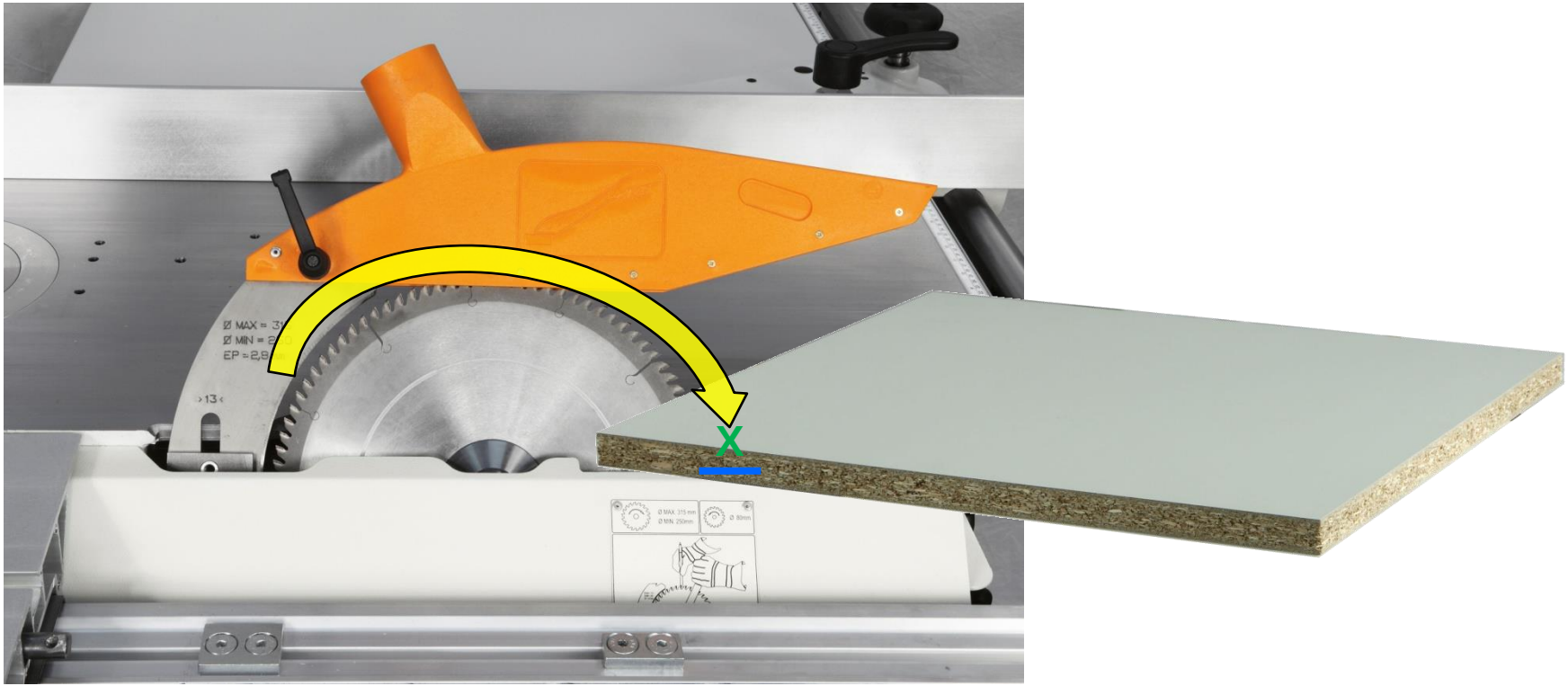
The scoring unit consists of a blade (scorer), mounted and rotating on the opposite direction to the saw blade rotation. It can be switched on by the main motor of the saw unit (through a belt driven unit) and it can be equipped with and independent motor (see picture).

Its use is limited in the processing of wood panels and, specifically, in the processing of melamine upgraded panels.

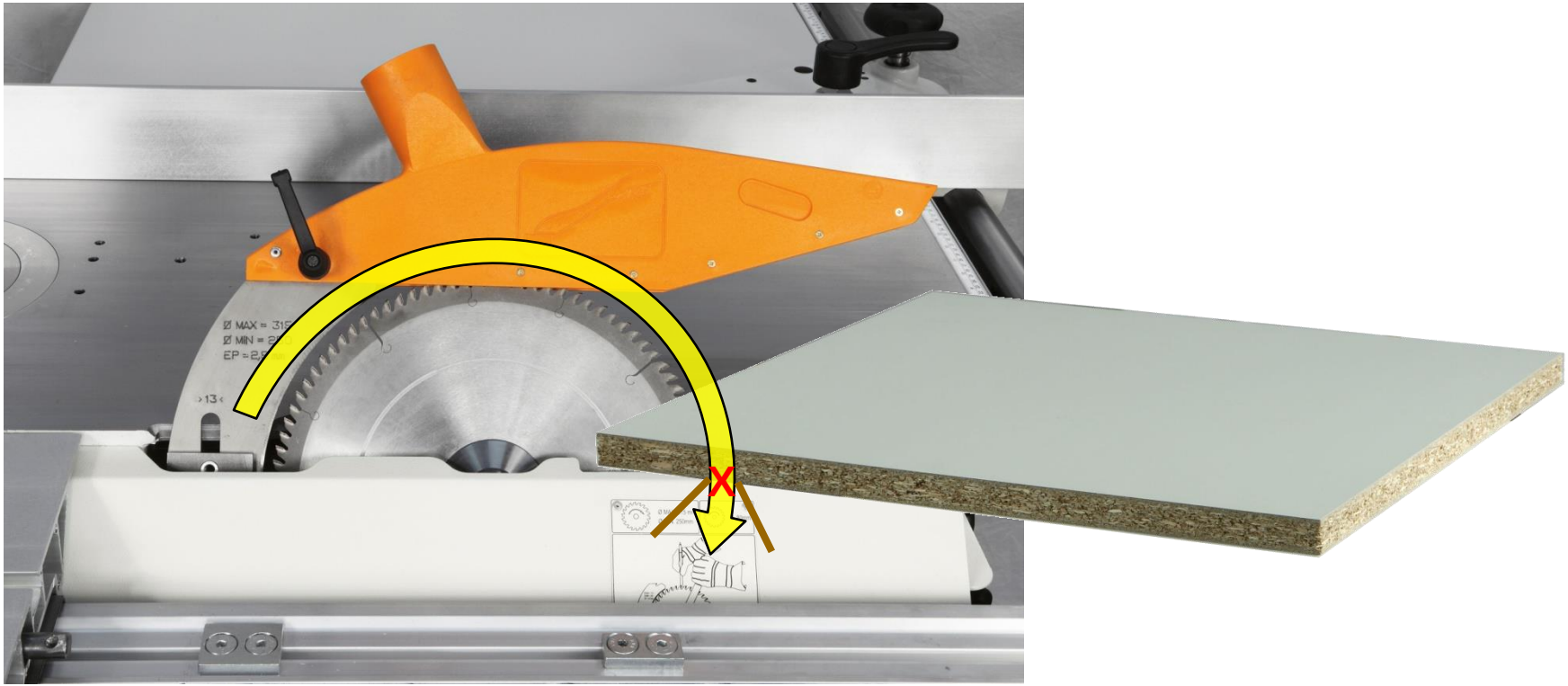
In fact, the scorer has to "engrave" the melamine of the panel and create a "passage groove" for the saw blade, so that the action of the blade does not cause chipping.



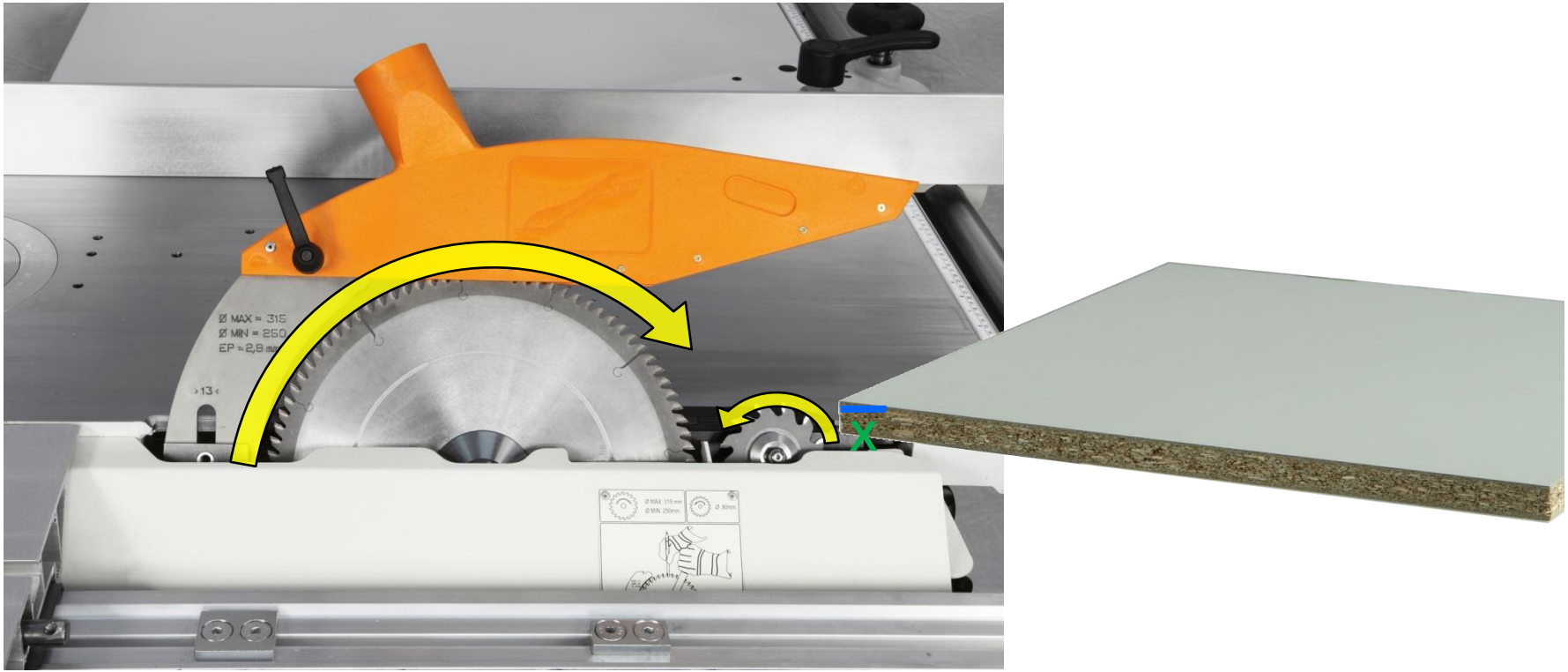
In fact the saw blade works the panel passing through an infeed point and an outfeed point ... In the infeed point the melamine and the chipboard adjacent to the passage of the saw blade teeth find the resistance of the same panel and therefore in that area they are not created chippings…



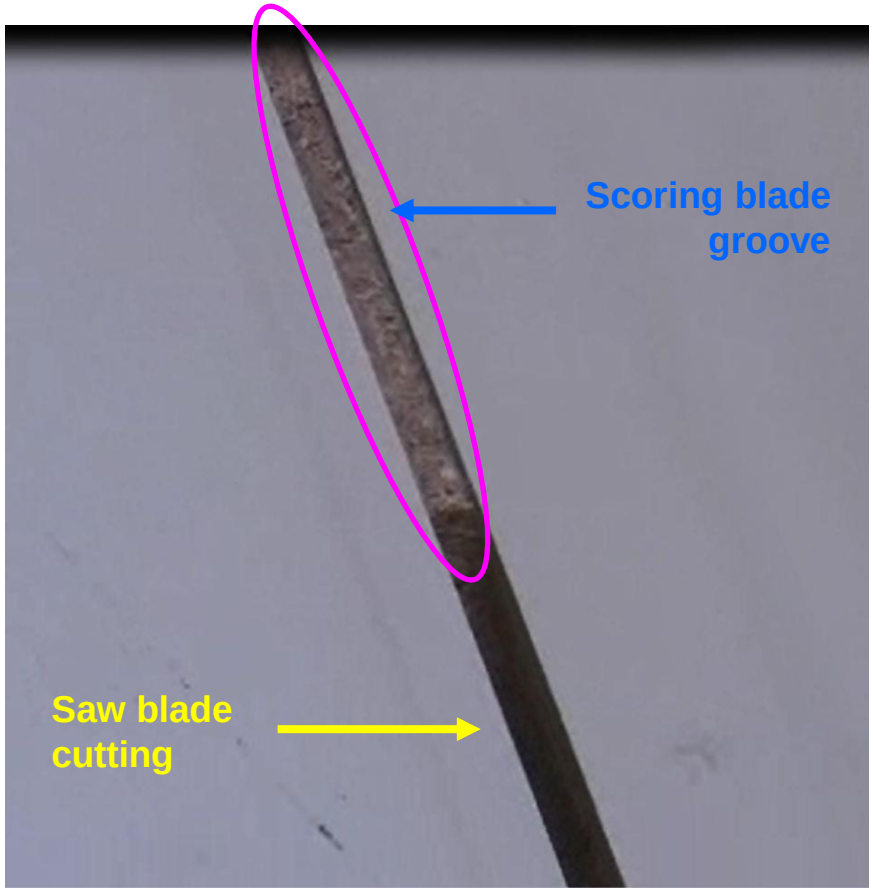
At the outfeed point, however, the melamine and chipboard adjacent to the passage of the blade teeth do not find any resistance and therefore in that area the “tearing” causes splinters that result in a "chipping" of the melamine for the entire cut length



The scoring blade, that rotates in the opposite direction to that of the saw blade, works the panel passing at the opposite infeed point and due to the "resistance-effect" of the panel explained previously does not produce splinters



The scorer has to "engrave" the melamine of the panel and create a "passage groove" for the saw blade, so that the action of the blade does not cause chipping.



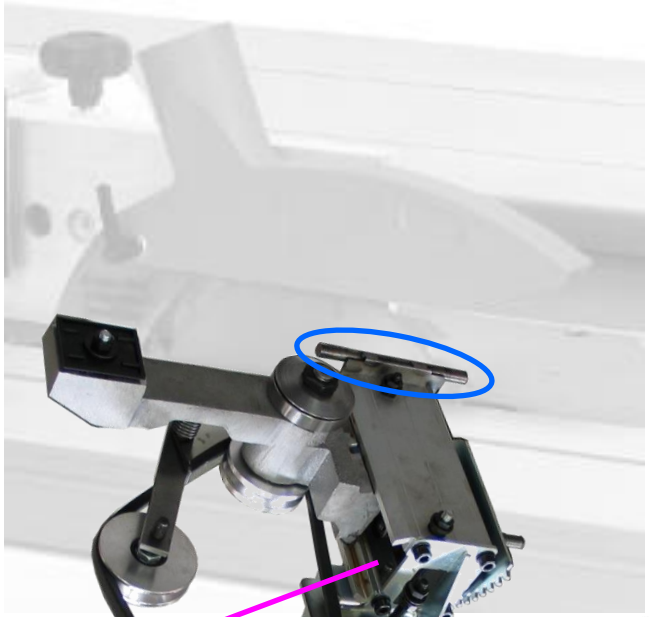
The "groove" created by the scoring blade, to be effective and at the same time contribute to a good panel finish, must be slightly wider than the blade tooth (0.1 ÷ 0.2 mm).

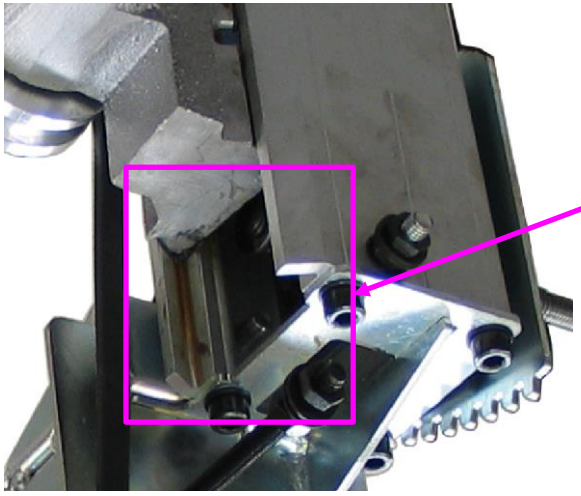
Video M2OP05regolazione_incisore

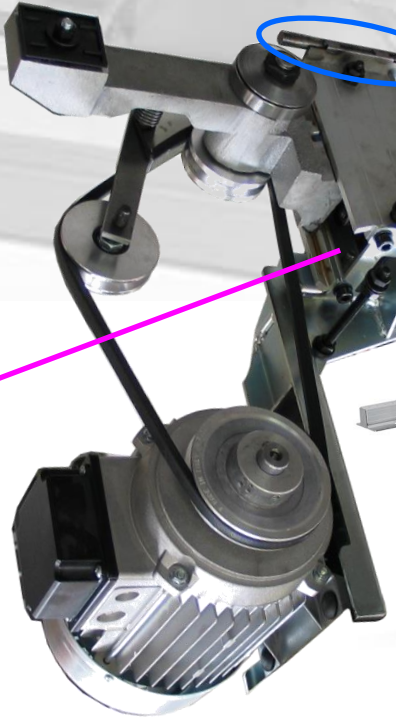
“genius” saw blade unit, features:

- Aluminum unit structure
- Lifting system by means of aluminum "dove-tail" guideways
- Tilting system by means of pins
- No scoring unit

Machines: minimax sc 1g









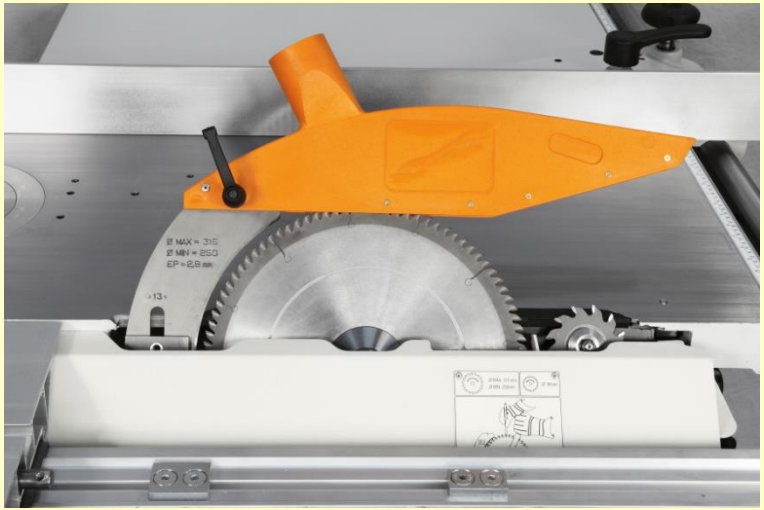
“lab-classic” sawblade unit, features:

- Steel+cast iron unit
- Lifting system by screw
- Tilting system by screw
- Optional belt driven scoring unit from the main motor

Machines: minimax sc 2c, minimax sc 3c

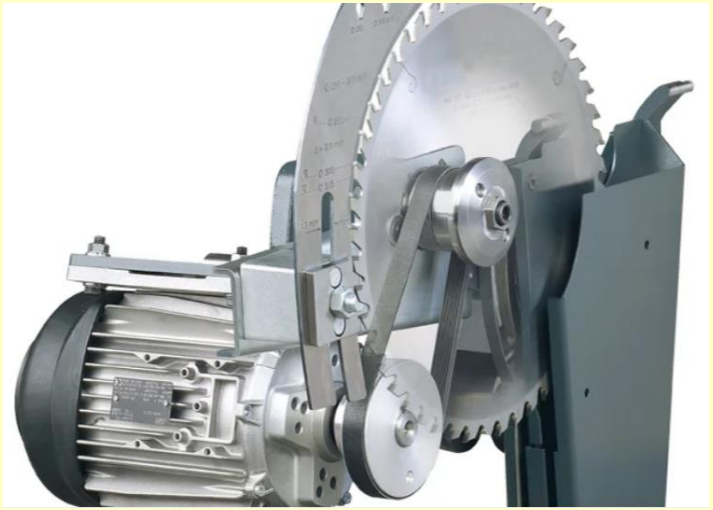


“lab-classic” sawblade unit



The saw unit can be equipped with a **315 mm blade diameter with the scoring blade mounted.**

Alternative solution



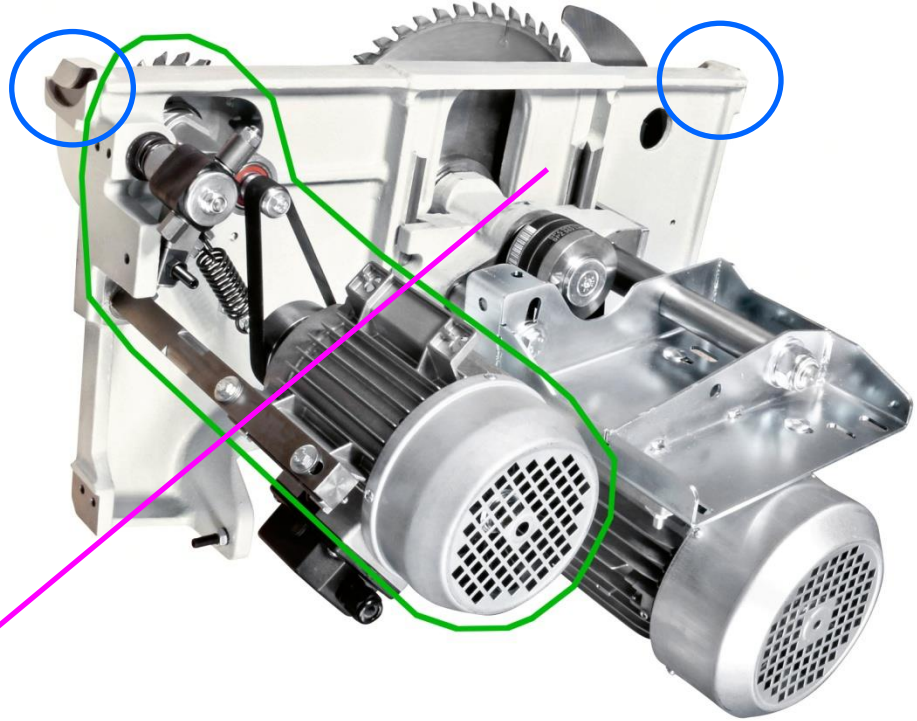
Alternative solutions suggest saw units with 315 mm max. blade diameter but without scorer.

With the scoring blade mounted the max. saw blade diameter is reduced to 250 mm.

“elite-elite s” saw blade unit, features:

- Cast-iron unit structure
- Lifting system by means of cast-iron "dove-tail" guideways
- Tilting system with rotation sectors in a crescent-shape
- Standard scoring unit (option for Elite range) with independent motor (for Elite range also with belt driven scoring unit from the main motor)

Machines: minimax sc 4e, minimax si 315es/ nova si 30, minimax si 400es/nova si 40





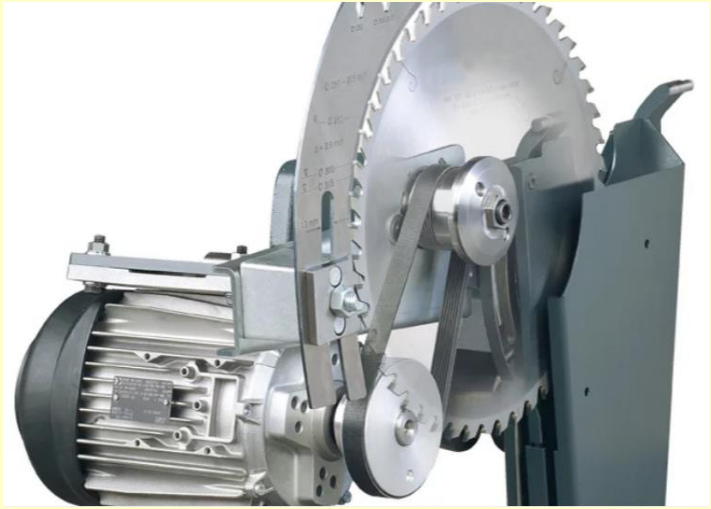


“elite-elite s” sawblade unit



The saw unit can be equipped with a **315 mm blade diameter with the scoring blade mounted.**

Alternative solution



Alternative solutions suggest saw units with 315 mm max. blade diameter but without scorer.

With the scoring blade mounted the max. saw blade diameter is reduced to 250 mm.

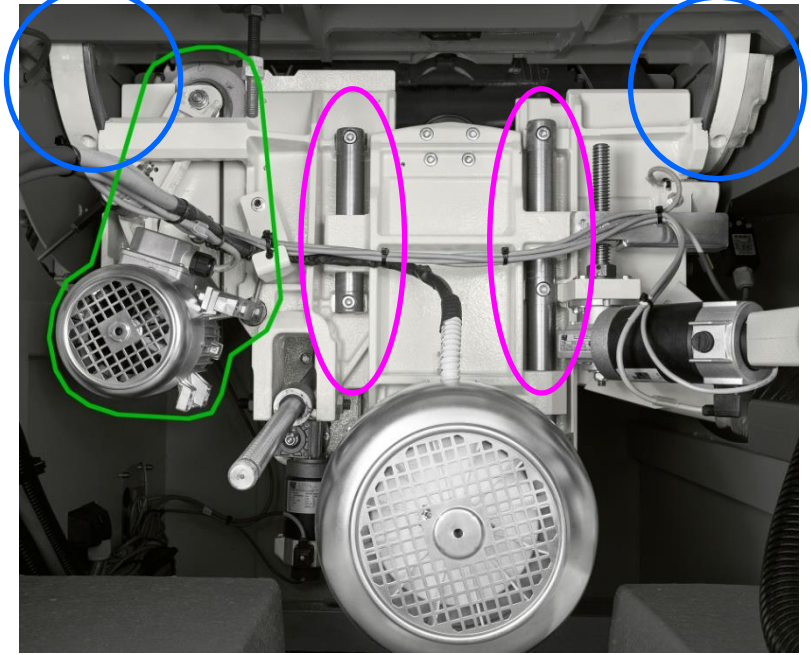
“minimax si x/nova si x”, features:

- Cast-iron unit structure

- Lifting system with sliding on ground round slideways

- Tilting system with rotation sectors in a crescent-shape (tilting -46° ÷ +46°)
- Standard scoring unit with independent motor

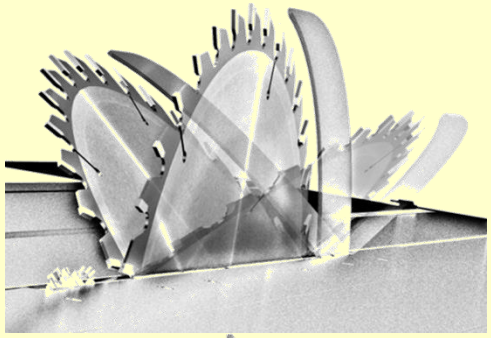
Machines: minimax si x/nova si x





minimax si x/nova si x: unique in their category!

The only machines to have extended the solution of the **saw unit with double tilting blade in the price range** to which they belong **: ~ 15.000€!**

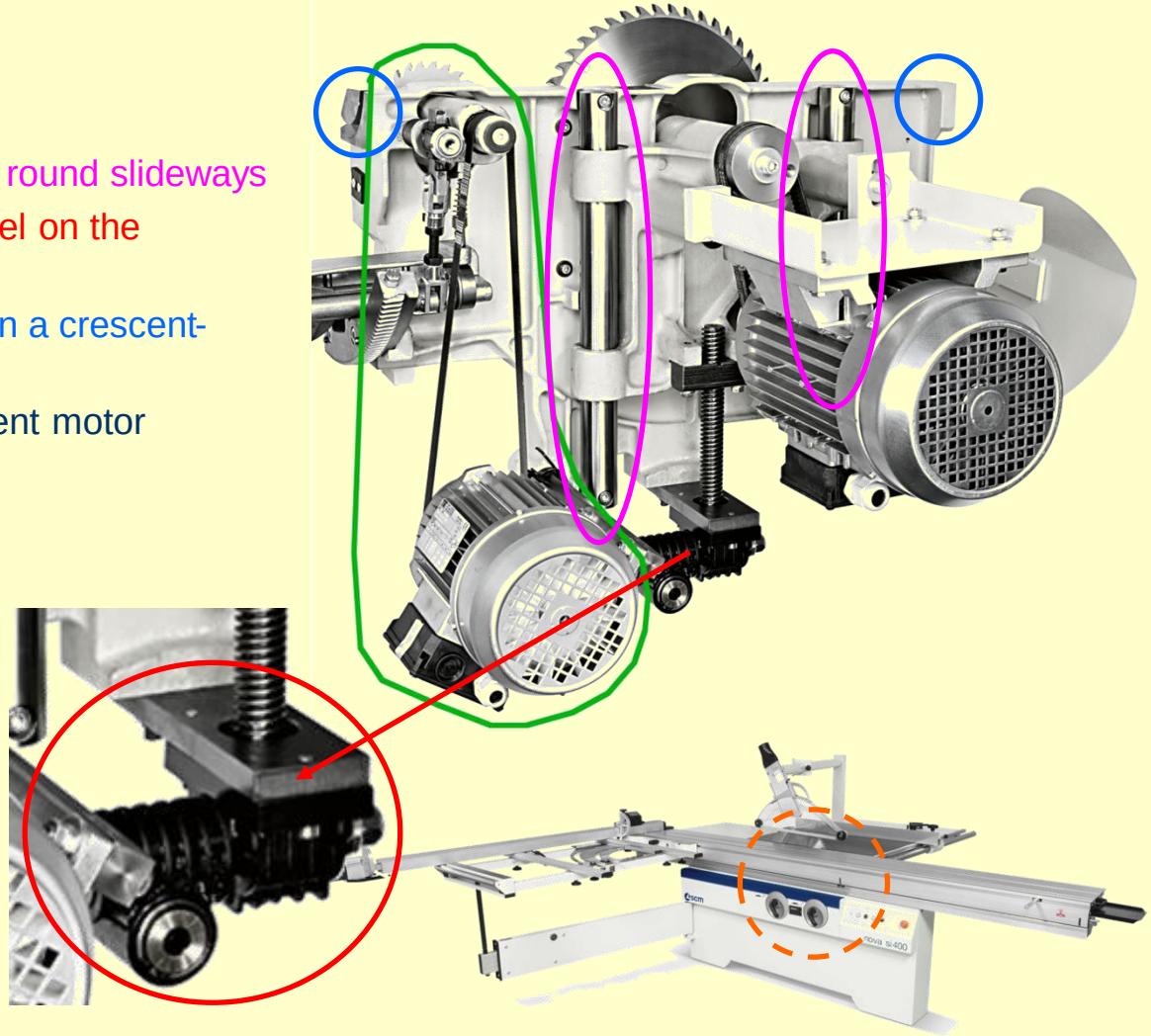




“SCM 300-400” saw unit, features:

- Cast-iron unit structure
- Lifting system with sliding on ground round slideways
- Lifting system by means of handwheel on the machine front ▸ **SCM Patent**
- Tilting system with rotation sectors in a crescent-shape
- Standard scoring unit with independent motor

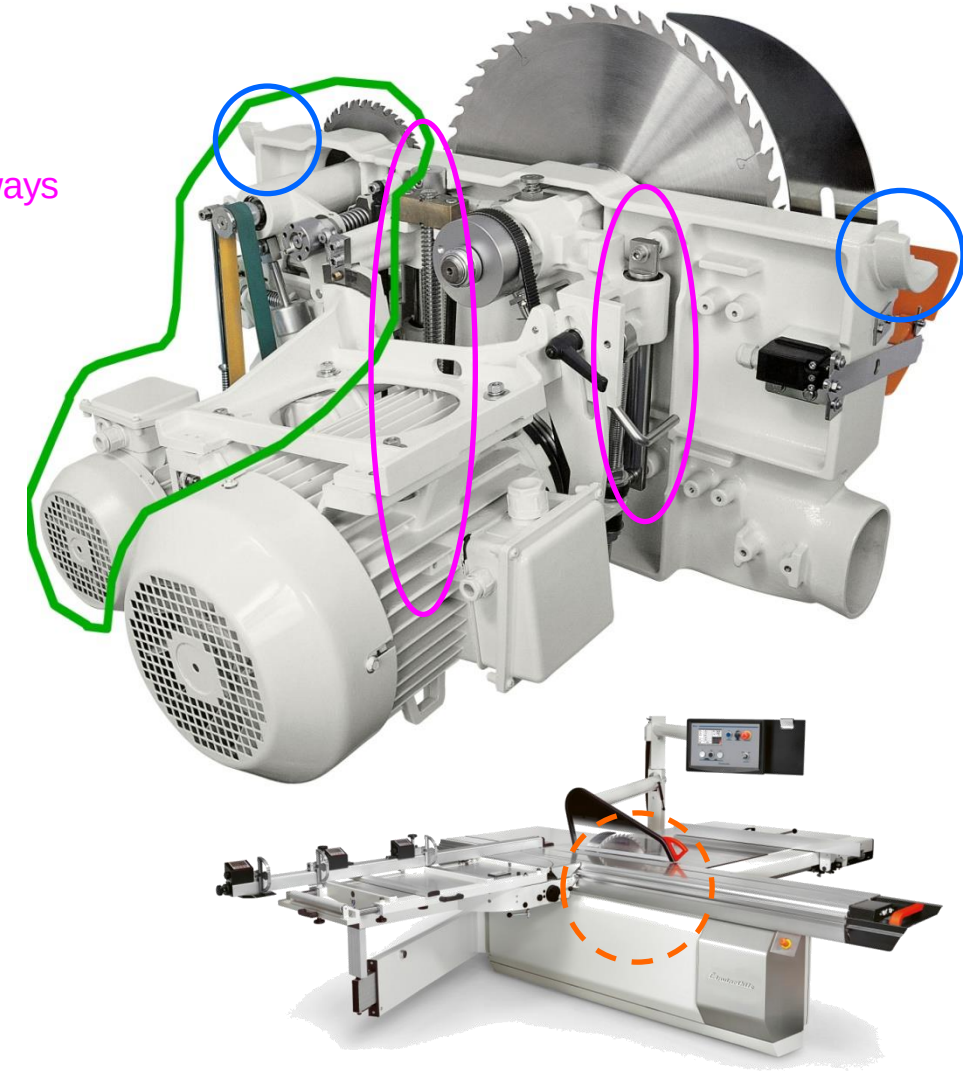
Machines: nova si 300, nova si 300s
nova si 400, nova si 400ep,
class si 300, class si 350,
class si 400, class si 400ep,
L’invincibile si 3



“SCM 450-550” saw unit, features:

- Cast-iron unit structure
- Lifting system with sliding on ground round slideways
- Tilting system with rotation sectors in a crescent-shape (only L’invincibile si 5)

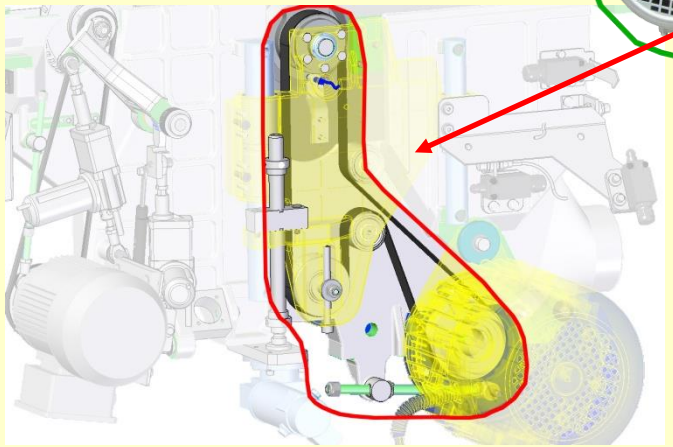
Machines: class si 550ep, L’invincibile si 5

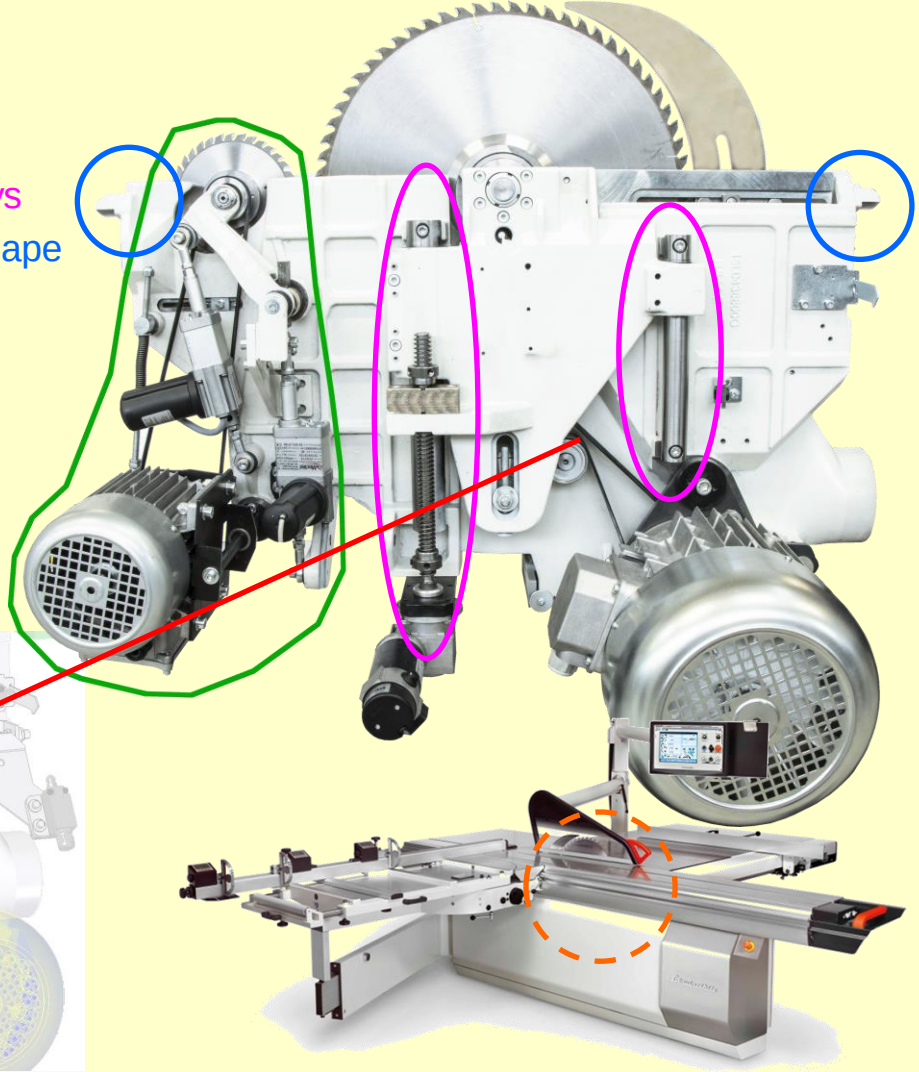


“class si x and L’invincibile si x” saw unit, features:

- Cast-iron unit structure
- Lifting system with sliding on ground round slideways
- Tilting system with rotation sectors in a crescent-shape (tilting -46° ÷ +46°)
- Self-tensioning system of the transmission belt
  - **SCM Patent**
- Optional scoring unit with independent motor

Machines: class si x, L’invincibile si x

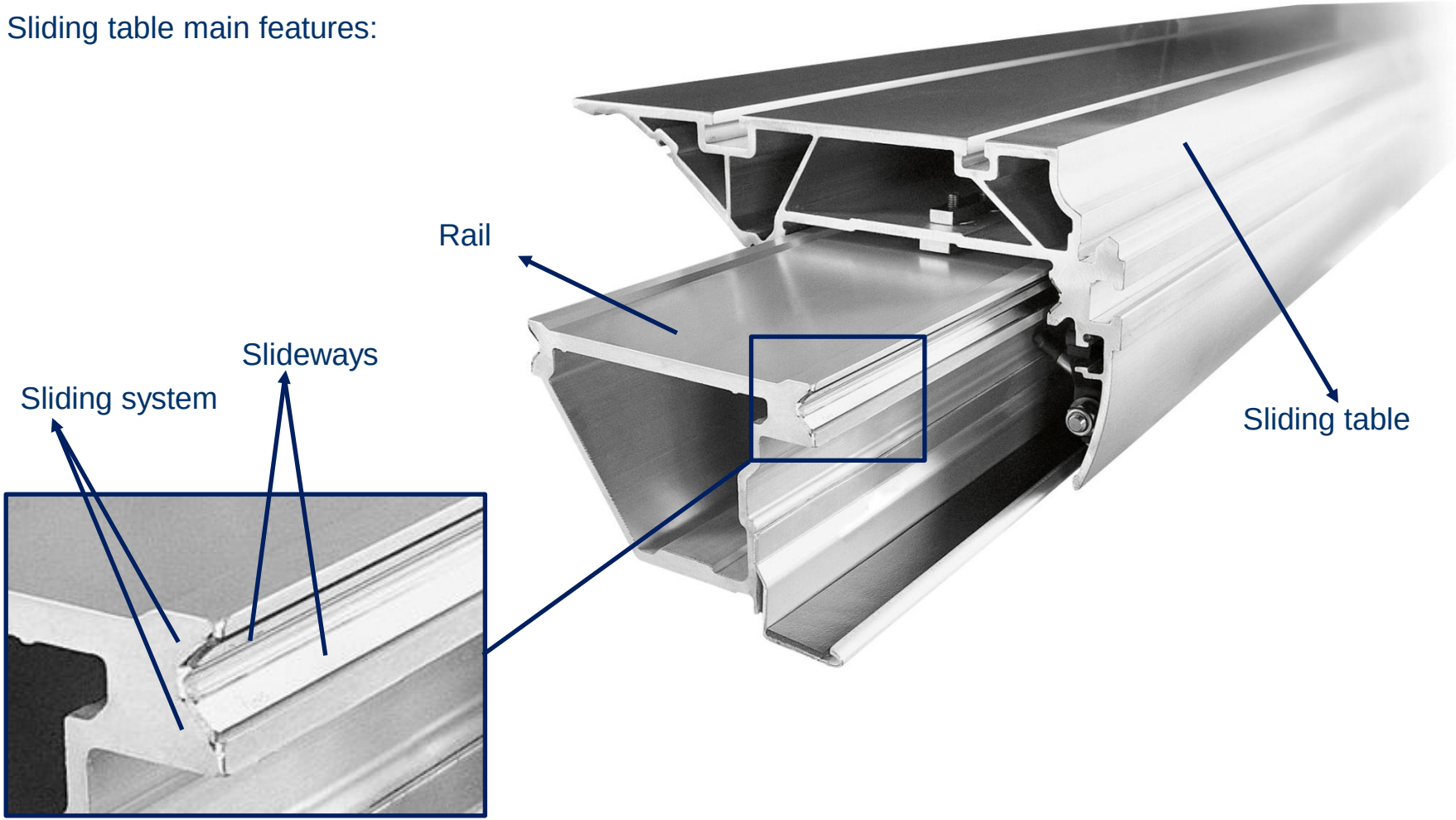




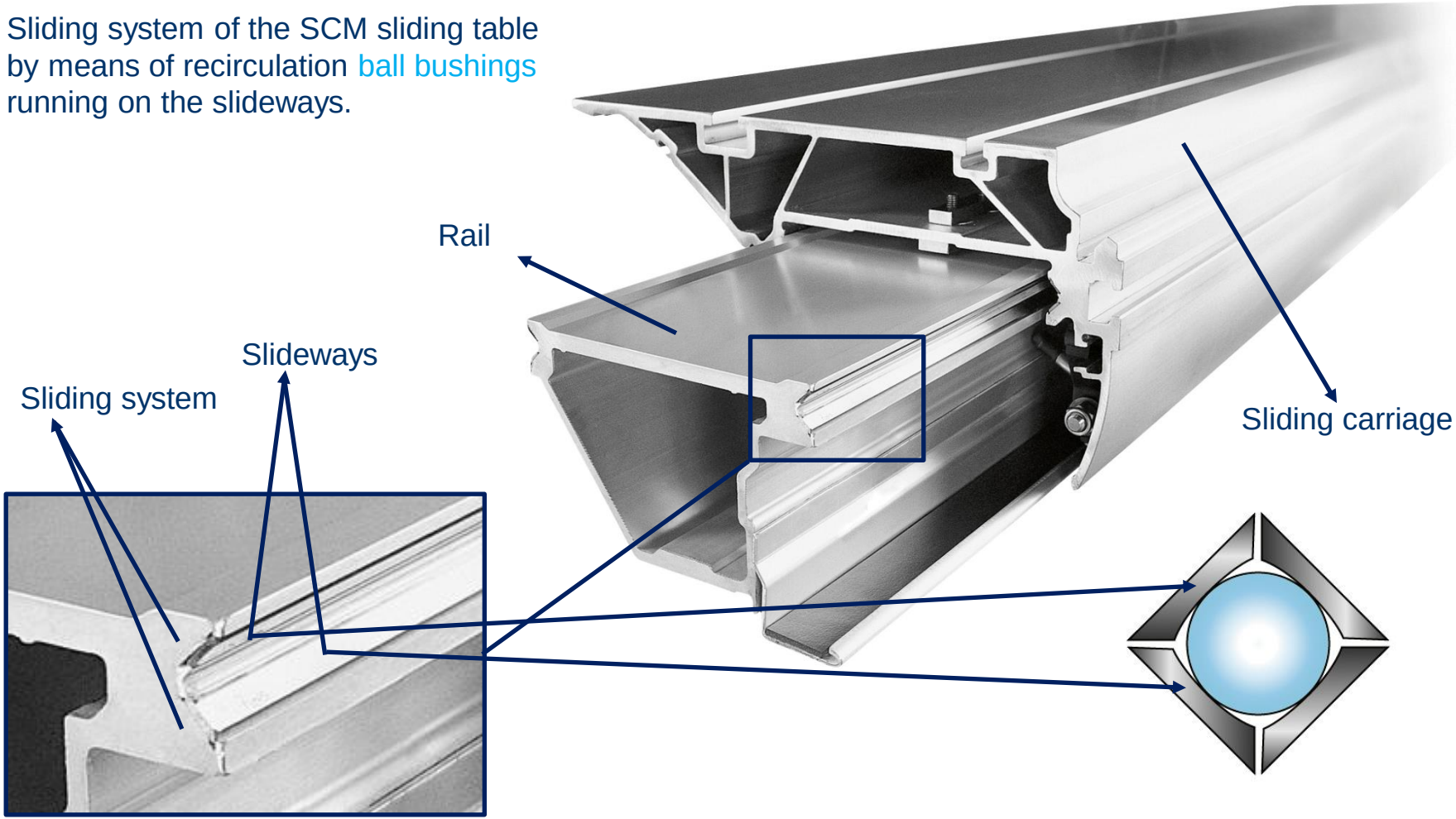
Operating units

Sliding table

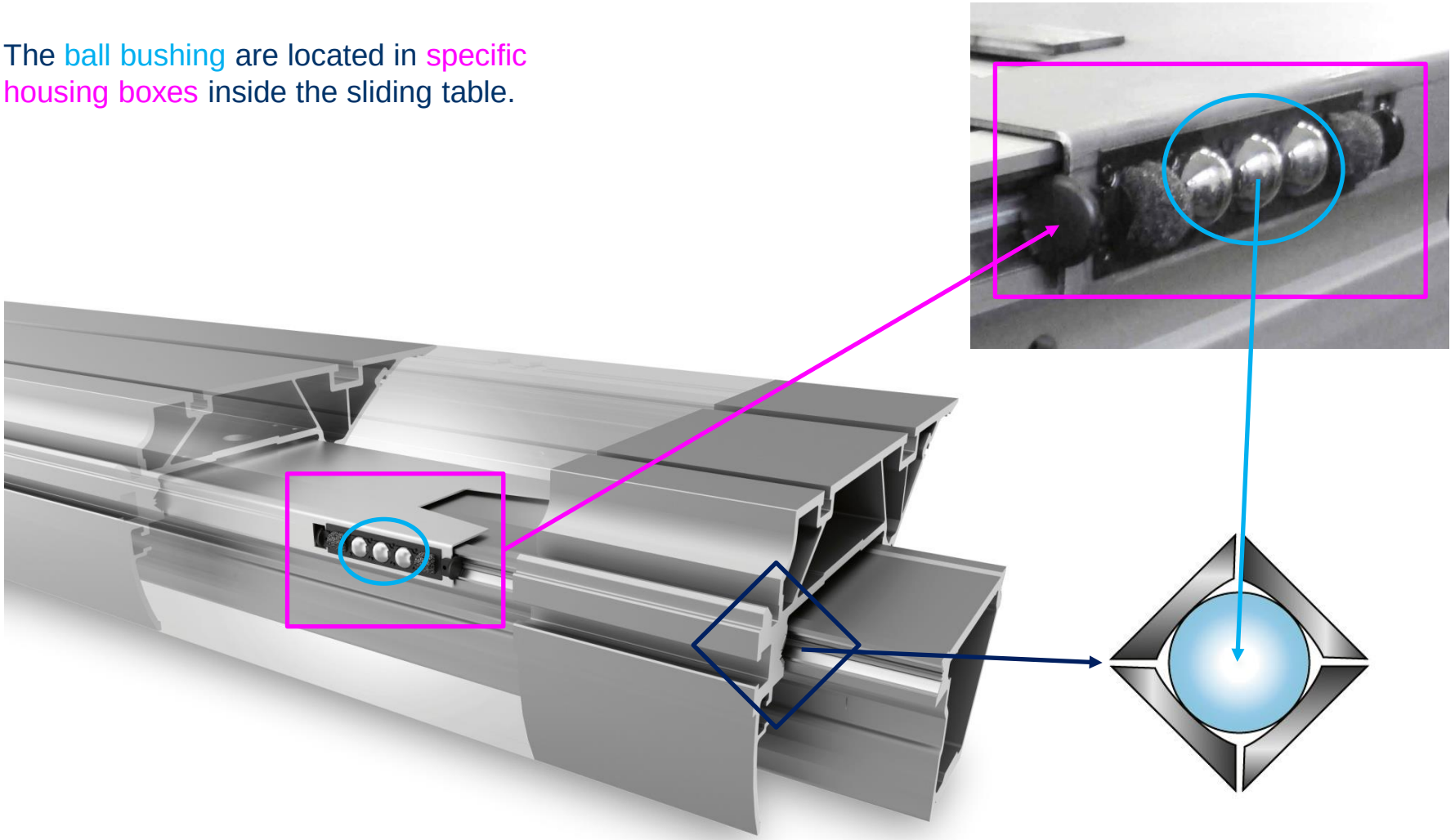
Sliding table main features:



Sliding system of the SCM sliding table by means of recirculation ball bushings running on the slideways.

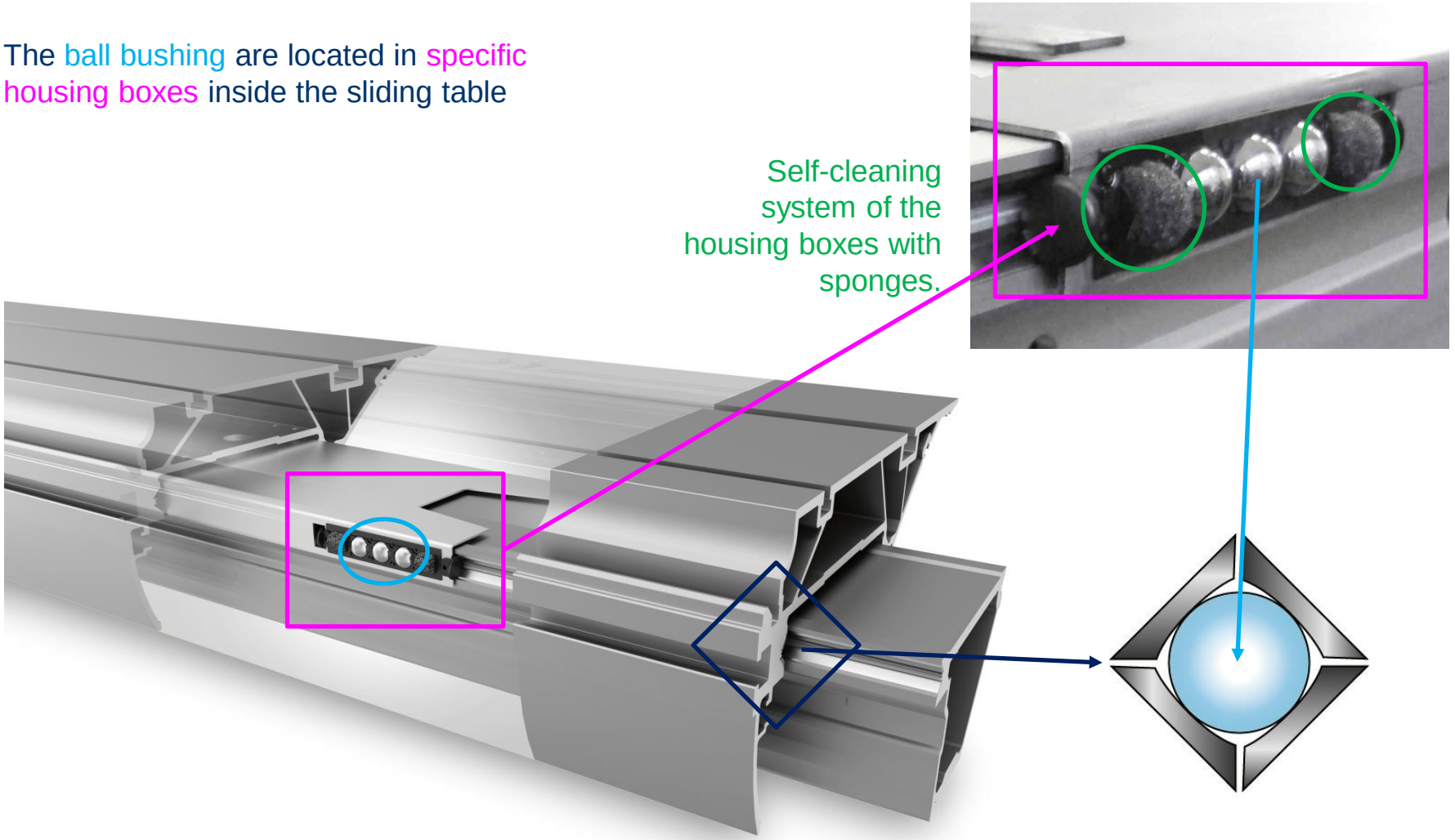


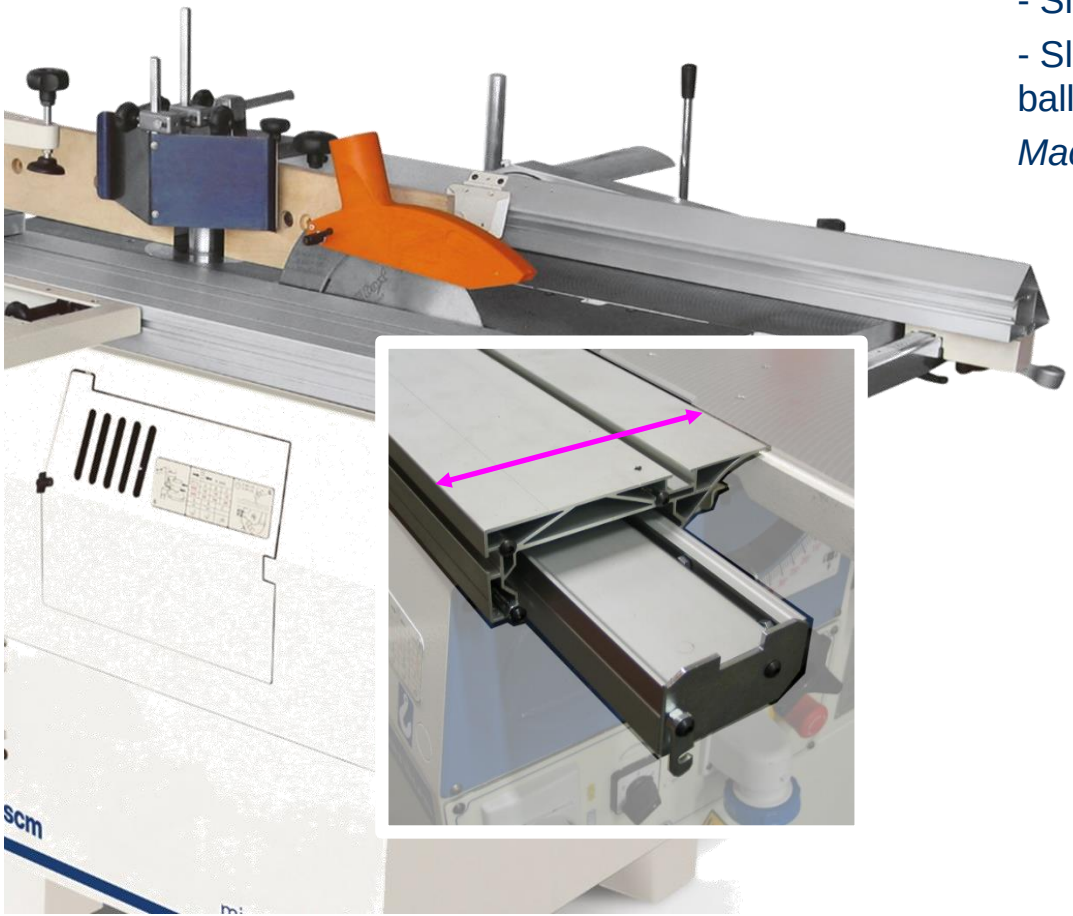
The ball bushing are located in specific housing boxes inside the sliding table.



The ball bushing are located in specific housing boxes inside the sliding table

Self-cleaning system of the housing boxes with sponges.





“genius” sliding table, features:

- Sliding table width: 200 mm
- Sliding system by means of teflon-coated ball bushings (without slideways)

Machines: minimax sc 1g

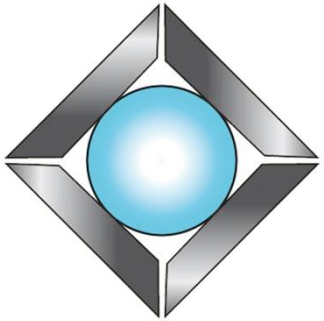


“lab-classic” sliding table, features:

- Sliding table width: 270 mm

- Sliding system by means of steel ball bushings running on hardened and calibrated steel and fixed on the same with double-sided adhesive also calibrated

Machines: minimax sc 2c, minimax sc 3c

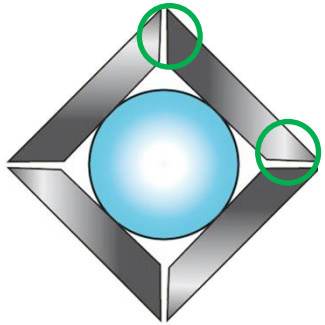


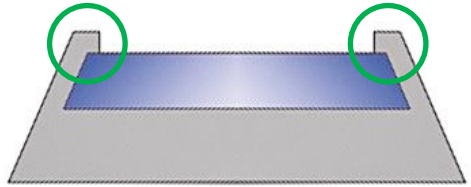


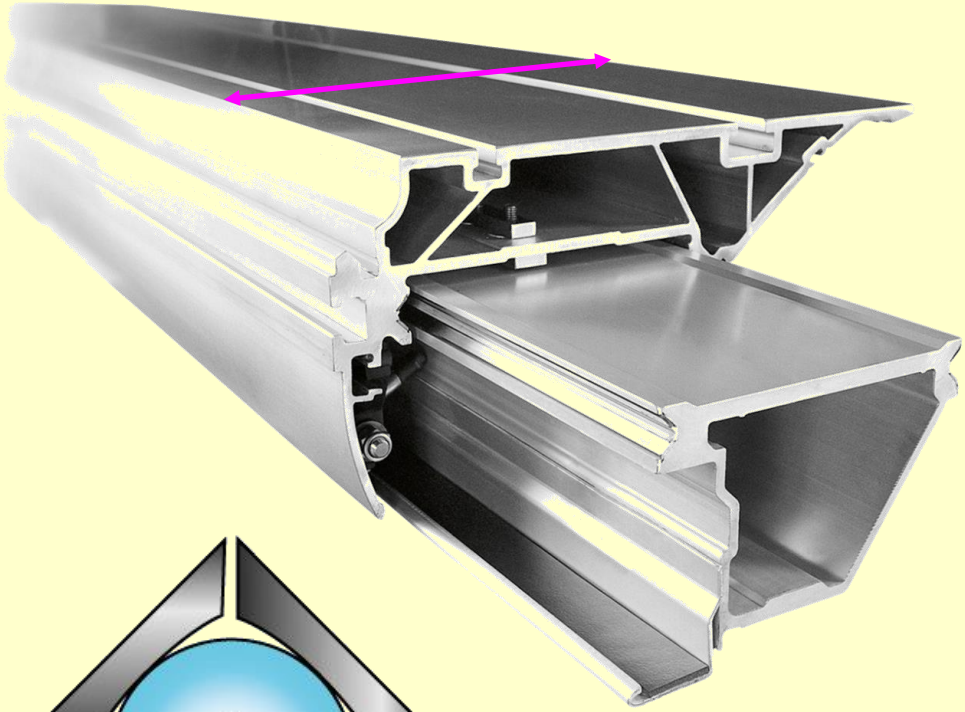
“elite-elite s-nova” sliding table, features:

- Sliding table width: 360 mm
- Sliding system by means of steel ball spheres running on hardened and calibrated steel fixed on the table by means of aluminum bending system (it is not used glue whose lumps could alter its linearity)

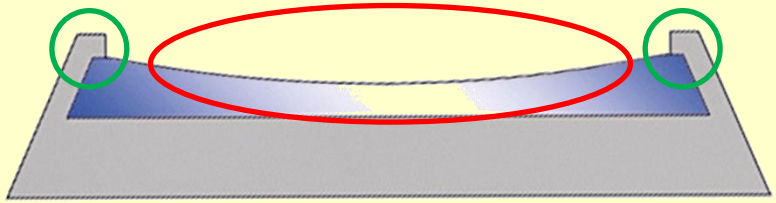
Machines: minimax sc 4e, minimax si 315es/ nova si 30, minimax si 400es/nova si 40, minimax si x/nova si x, nova si 300, nova si 300s, nova si 400, nova si 400ep









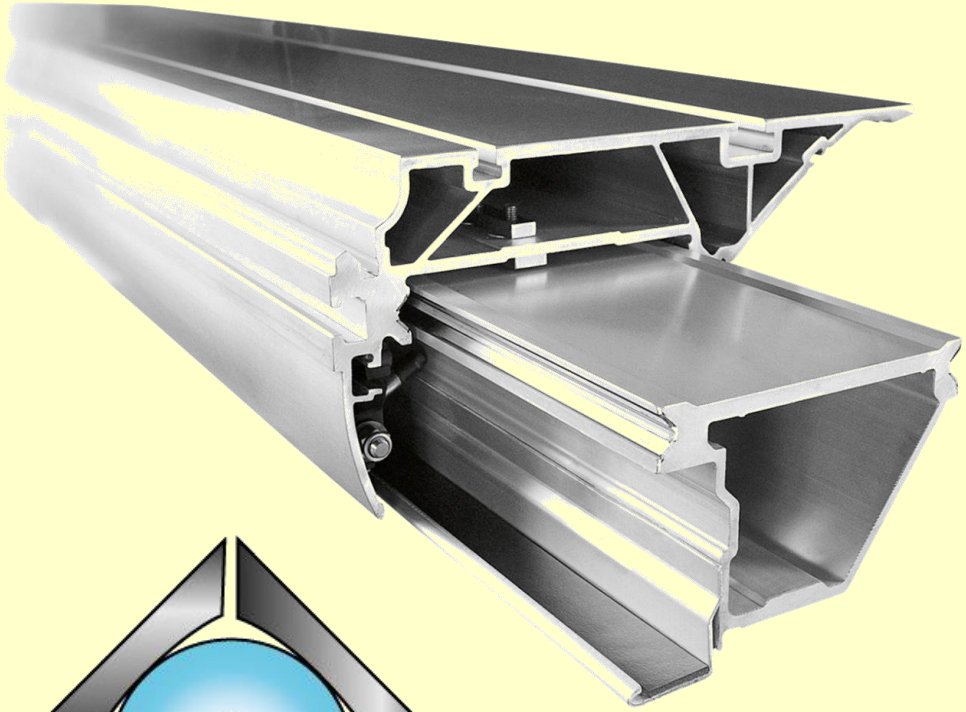


“class-L’invincibile” sliding table, features:

- Sliding table width: 400 mm

- Sliding system by means of steel ball bushings running on slideways fixed on the table by means of aluminum bending system (it is not used glue whose lumps could alter its linearity); “arc” profile of the special ground steel slideways (**SCM solution)**

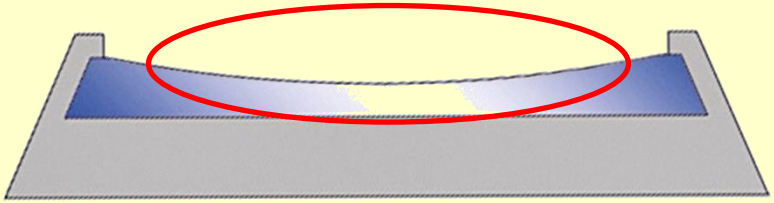
Machines: class si 300, class si 350, class si 400, class si 400ep, class si 550ep, class si x, L’invincibile si 3, L’invincibile si 5, L’invincibile si x



The “arc” profile of the special ground steel slideways (**SCM solution**) ensures:

- No play and loads four times higher than others
- +/-0,05 mm tolerance on the entire carriage length for straight and high quality cutting
- Sliding effectiveness over time, thanks to the particular guides positioning which ensures protection from dust.





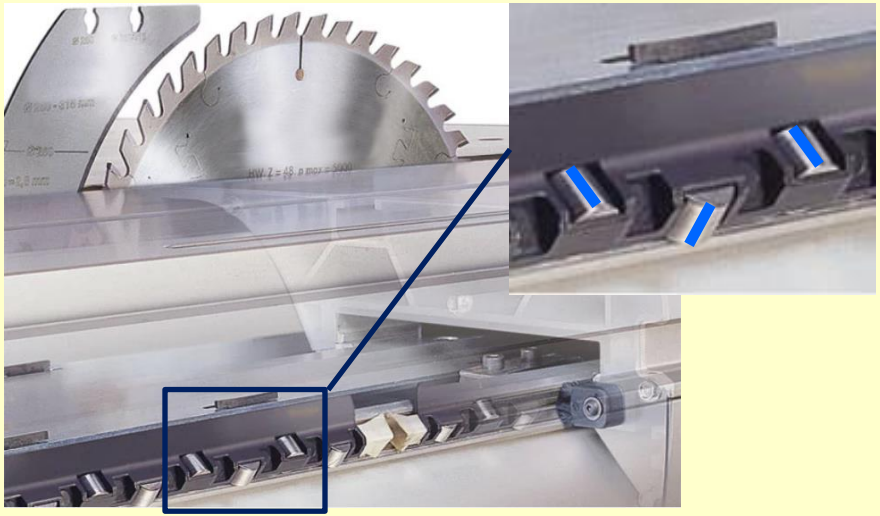
SCM sliding table



The SCM solution with steel ball spheres is the perfect combination of structural rigidity, smoothness, and durability over time: the **4 contact areas of the spheres on the slideways in fact favor the removing of working dust** that can affect the flow.

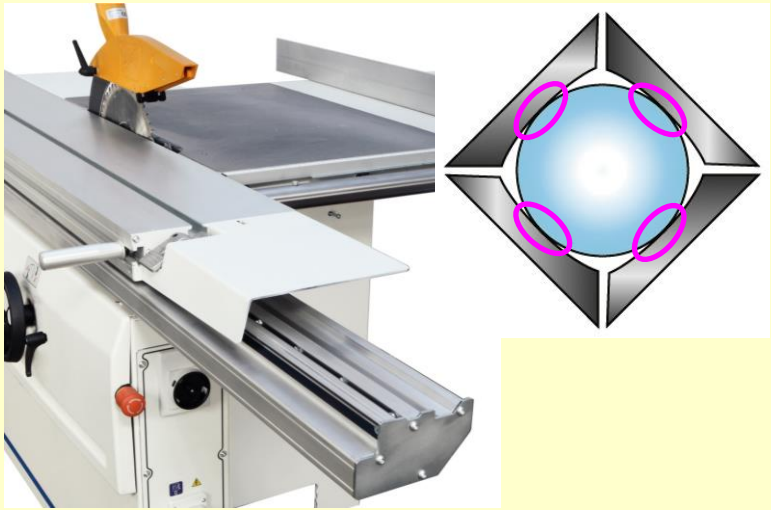
.

Alternative solution



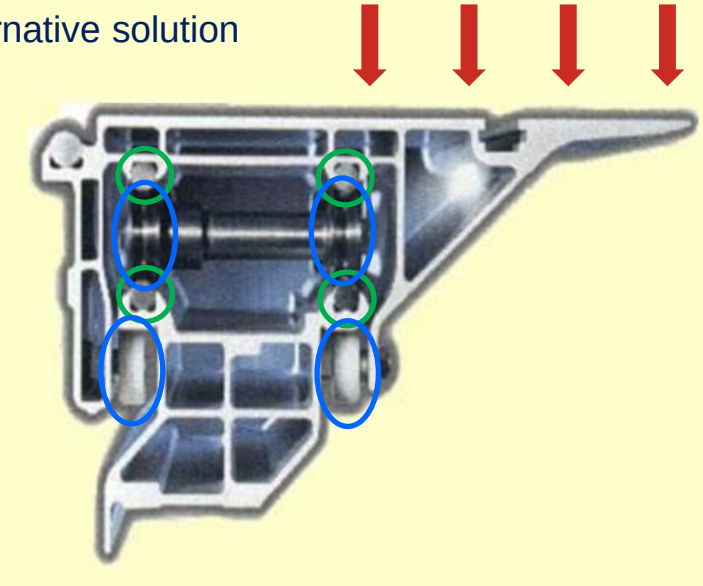
Alternative solutions have rollers with a wider and linear contact surface which could hinder the removing of working dust.

SCM sliding table



The SCM solution with steel ball spheres is the perfect combination of structural rigidity, smoothness, and durability over time: the **4 contact areas of the spheres on the slideways in fact favor the removing of working dust** that can affect the flow.

Alternative solution

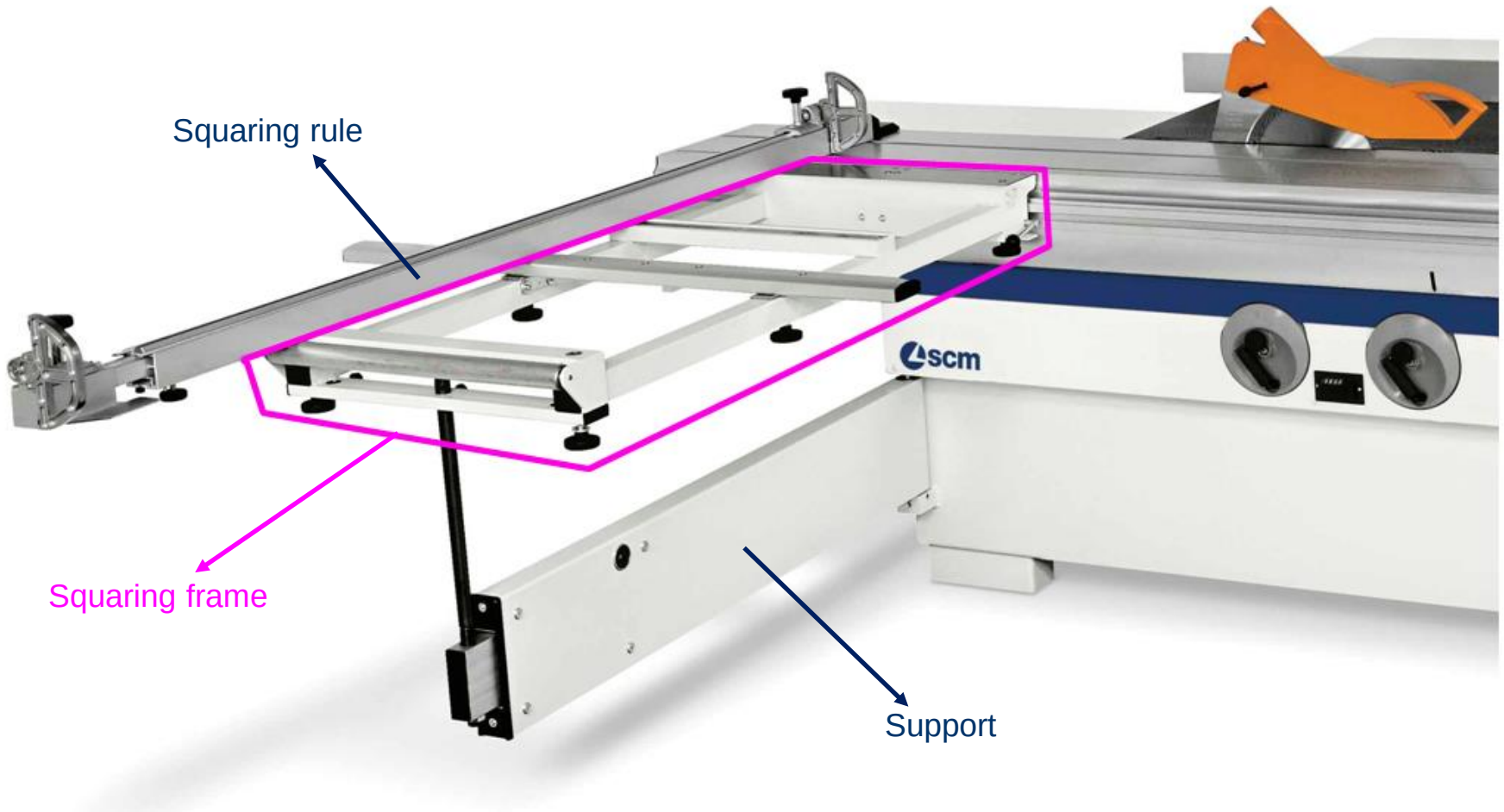


Alternative solutions have sliding systems on “wheels on rails”... These solutions could favor the deposit of the working dust on the lower rails, the wheels could be subject to wear over time and the table could be not very rigid when it has to bear the weight of big (and heavy) elements to be processed.

Operating units

Squaring frame with support and squaring rule

The “unit” consists of:



The squaring rule consists of:

Squaring stops sliding on metric rule (they are the reference for the square panel measure)



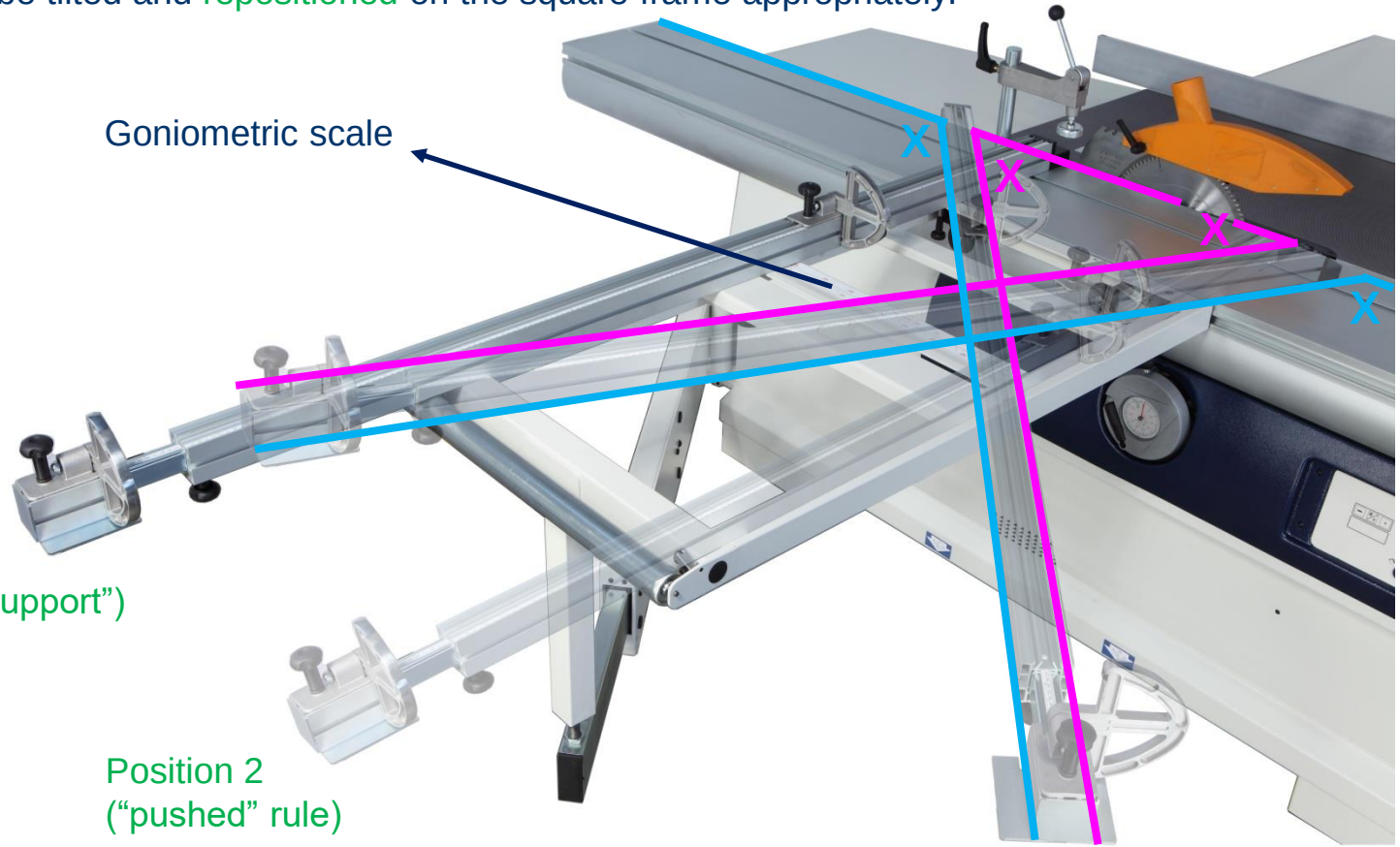
Telescopic part of the squaring fence

Squaring frame and rule are suitable for a typical panel cut machining, i.e. their “squaring” (to equip the panel with a "square" shape with 4 right angles)… For this reason the circular saw is often also called "squaring machine“.



Video M1LL01squadratura

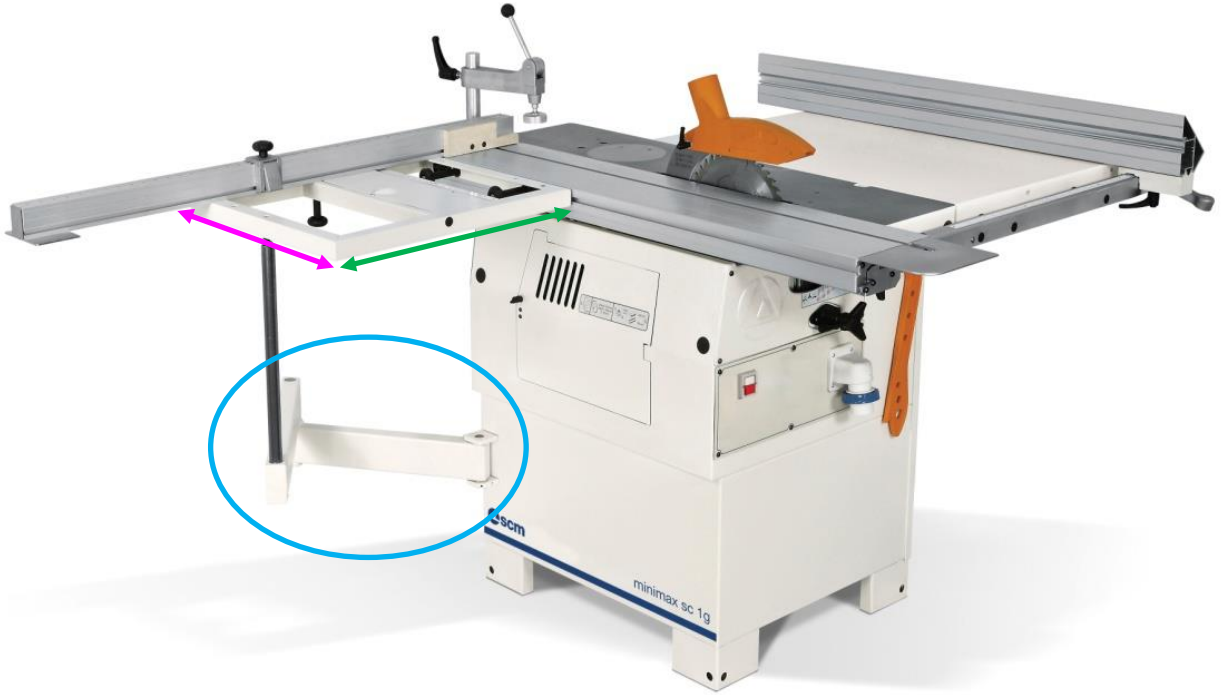
With the squaring frame and the rule it is possible to carry out not only 90° angles, but any type of angled cut, it is possible not only to carry out cuts with 90° angle but any angle, acute or obtuse. The squaring rule in fact can be tilted and repositioned on the square frame appropriately.



“Genius” squaring frame and rule, features:

- Frame dimensions: 460 x 553 mm
- “Gooseneck” support
- Squaring rule (not extended) with a stop that can be excluded

Machines: minimax sc 1g



“minimax sc 2c” squaring frame and rule, features:

- Frame dimensions: 480 x 651 mm
- “Gooseneck” support
- Extended squaring rule with a stop that can be excluded

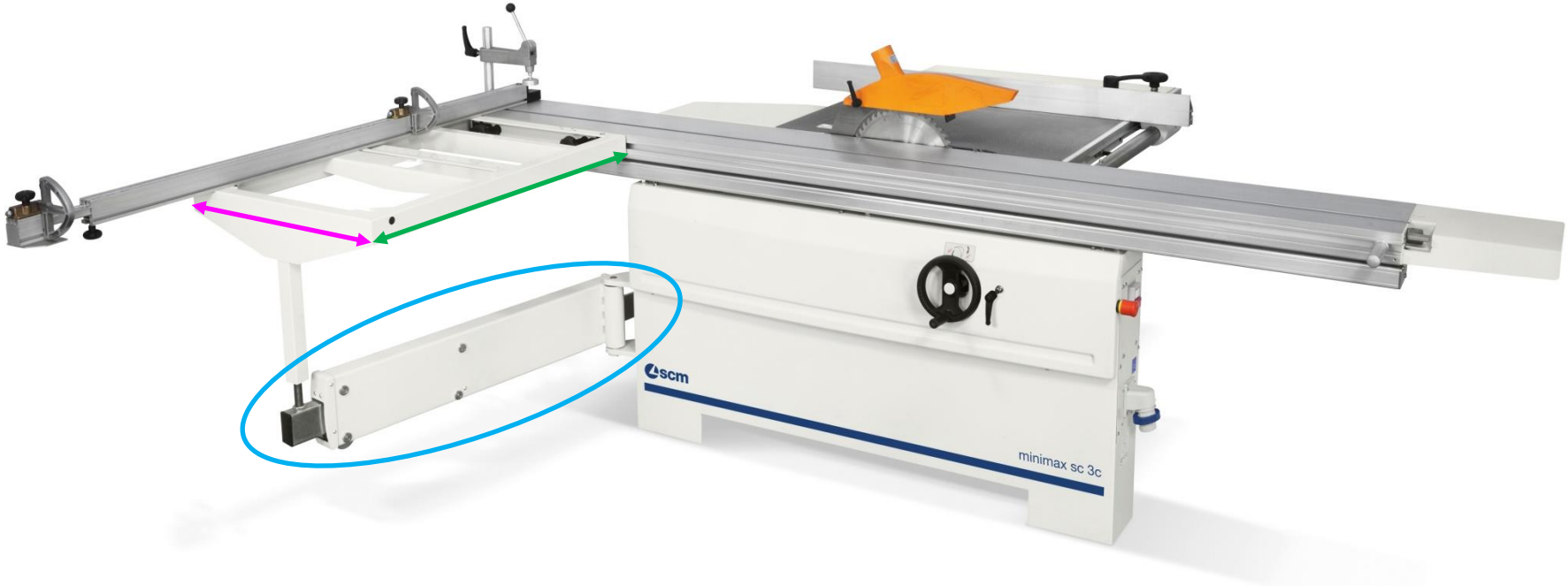
Machines: minimax sc 2c



“minimax sc 3c” squaring frame and rule, features:

- Frame dimensions: 600 x 960 mm
- “Swinging arm” support
- Extended squaring rule with 2 reversible stops

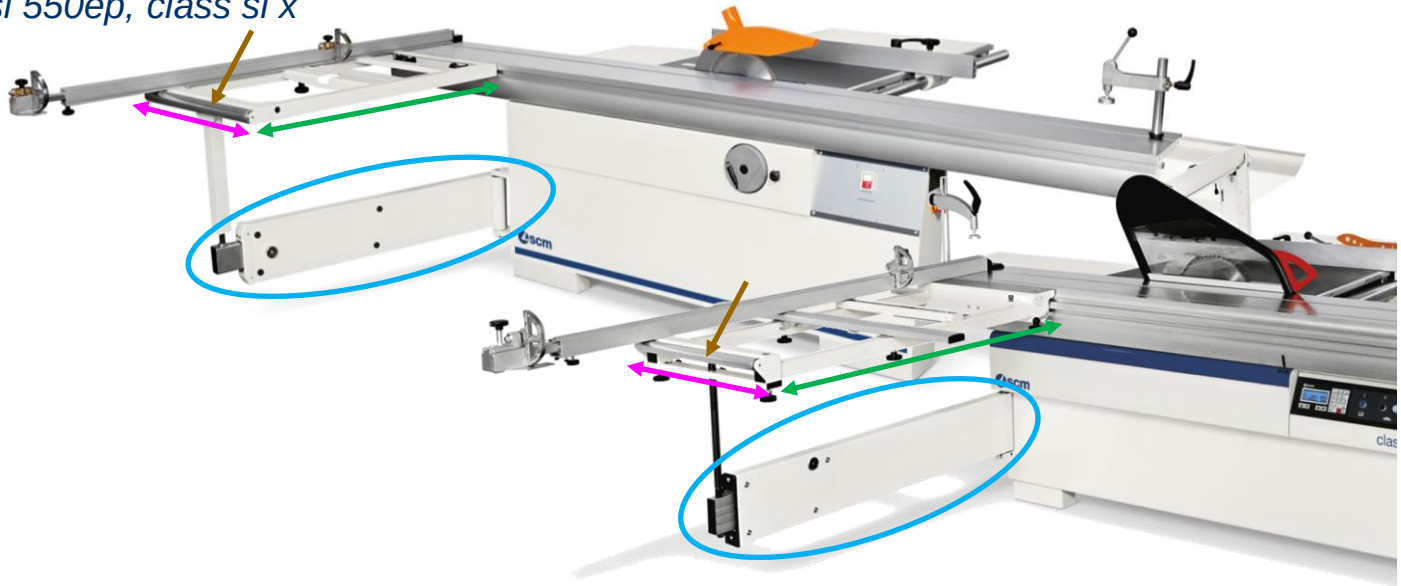
Machines: minimax sc 3c



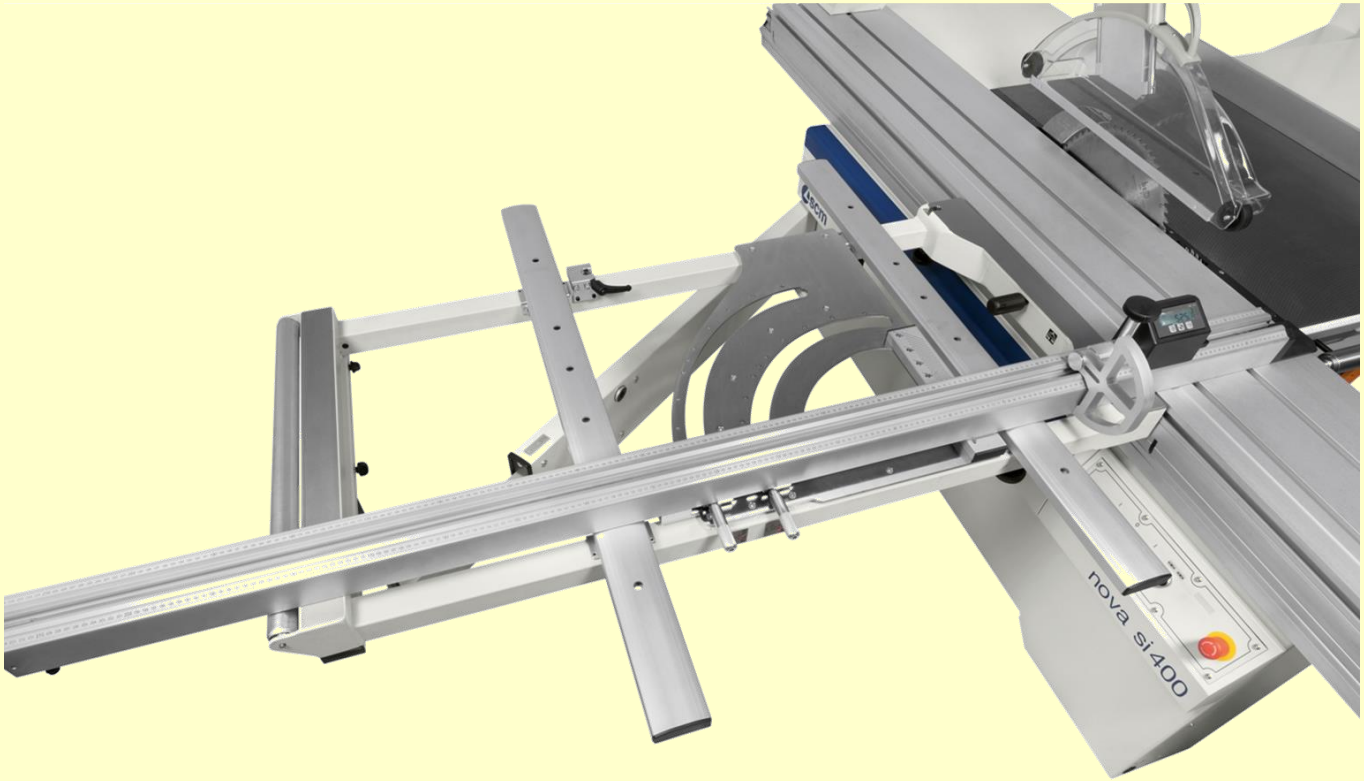
“elite-elite s-nova and class” squaring frame and rule, features:

- Frame dimensions: Elite-Elite S ▸ 650 x 1200 mm; nova ▸ 680 x 1490 mm; class ▸ 600 x 1440 mm
- “Swinging arm” support
- Extended squaring rule with 2 reversible stops
- Steel idle roller on the frame end side to facilitate the panels loading

Machines: minimax sc 4e, minimax si 315es/nova si 30, minimax si 400es/nova si 40, minimax si x/ nova si x, nova si 300, nova si 300s, nova si 400, nova si 400ep, class si 300, class si 350, class si 400, class si 400ep, class si 550ep, class si x

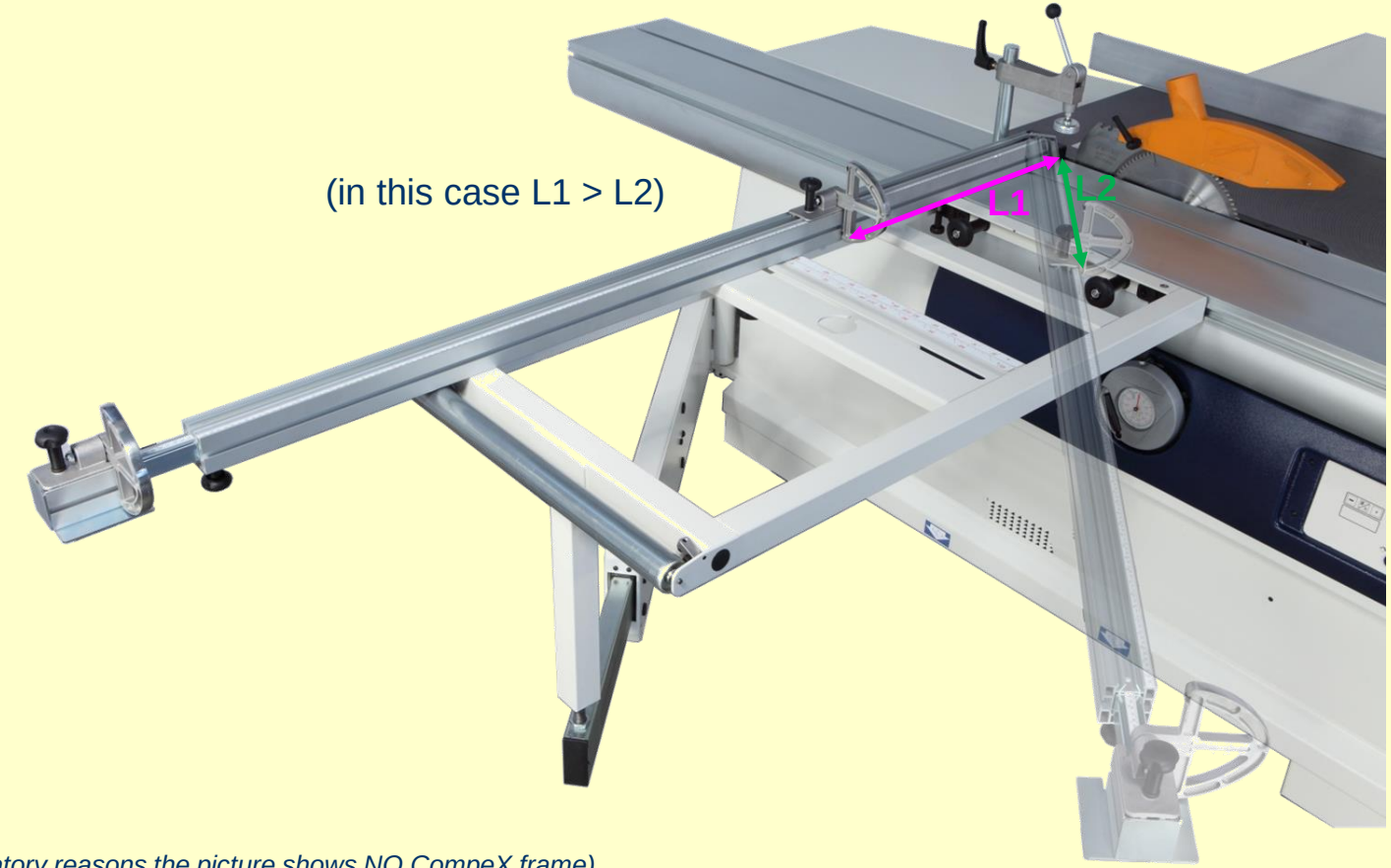


The “CompeX” frame (**SCM patent**) is equipped with an automatic (mechanic) self-adjustment system of stops position (from which it takes its name) in respect of the blade and rule tilting angle.



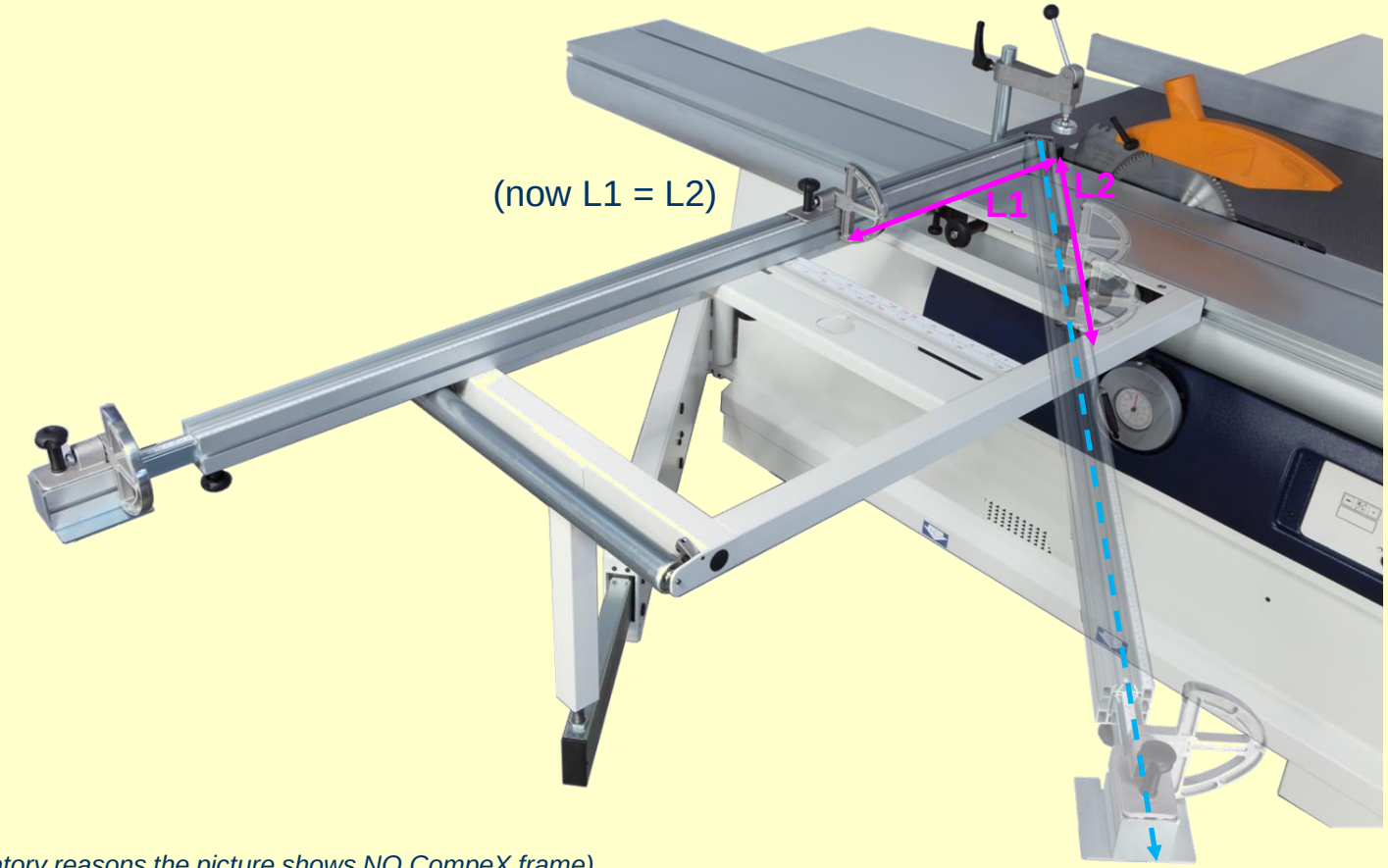
In the moment in which the squaring rule is angled in fact, the distance of the stops from the cutting line of the blade varies…

(in this case L1 > L2)



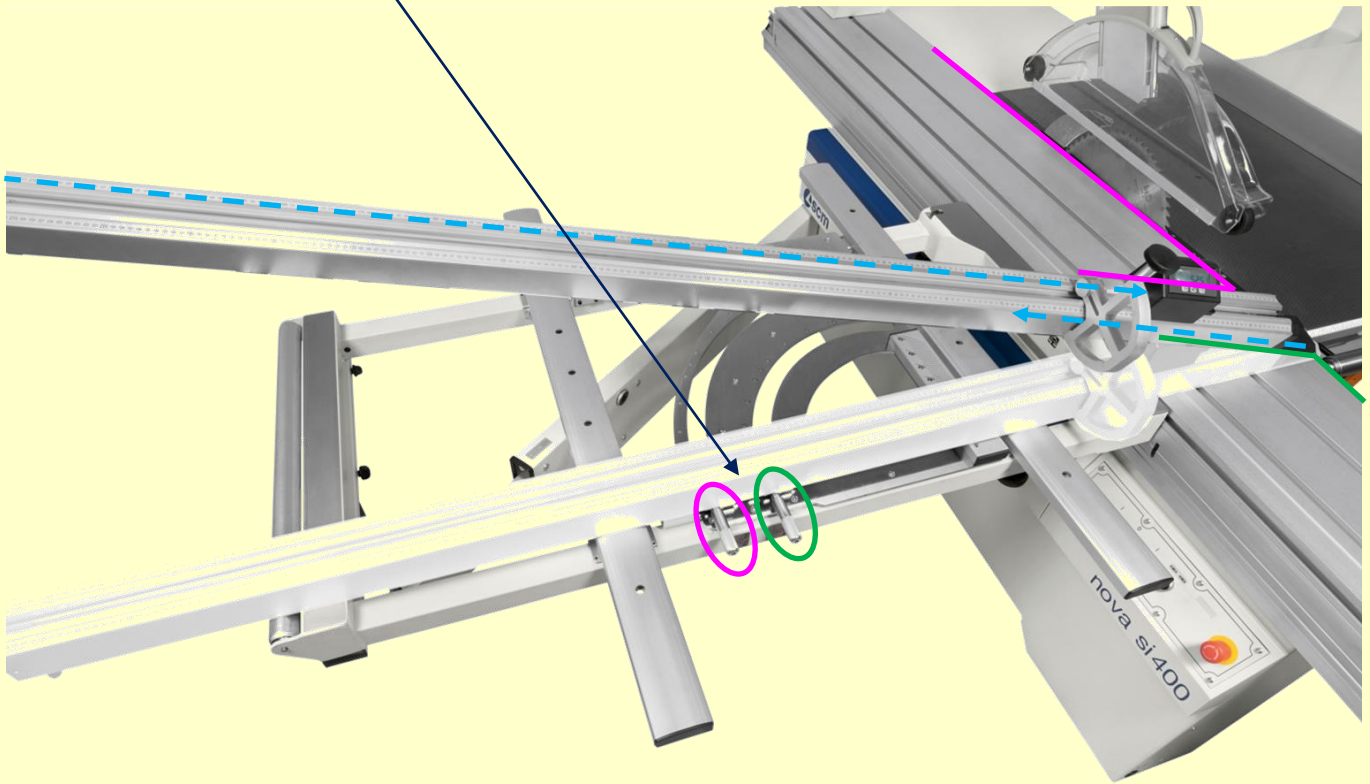
(For explanatory reasons the picture shows NO CompeX frame)

The self-adjustment system of the “CompeX” frame (**SCM patent**) automatically (mechanically) moves the squaring rule, when it is angled, to maintain the distance between the stops and the cutting line…



(For explanatory reasons the picture shows NO CompeX frame)

Operating on the relative knobs, the system self-adjusts both in case of acute and obtuse cuts.



Video CompeX YouTube: https://www.youtube.com/watch?v=4-csmnA5kg4

“L’invincibile” squaring frames and rules ▸ “CompeX” frame (**SCM patent**), features:

- Frame dimensions: 600 x 1490 mm
- Automatic self-adjustment system of the stops position
-“Swinging arm” sliding support with recirculating ball screws on THK linear fence (**SCM patent**)*
- Extended squaring rule with 2 reversible stops
- Steel idle roller on the frame end side to facilitate the panels loading

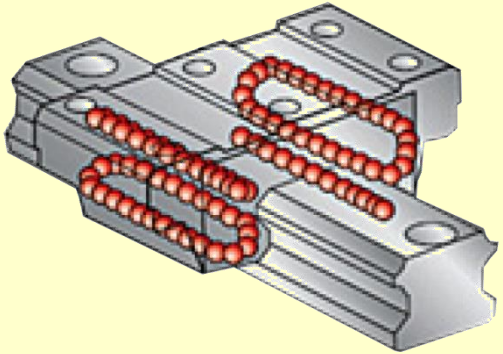
Machines: L’invincibile si 3, L’invincibile si 5



(See following slide)*

The sliding system with recirculating ball screws on THK linear fence (**SCM patent**) of the L'invincibile circular saws ensures:

- The best smooth movement of the work piece
- No play and noise
- Complete protection from dust
- No maintenance is required



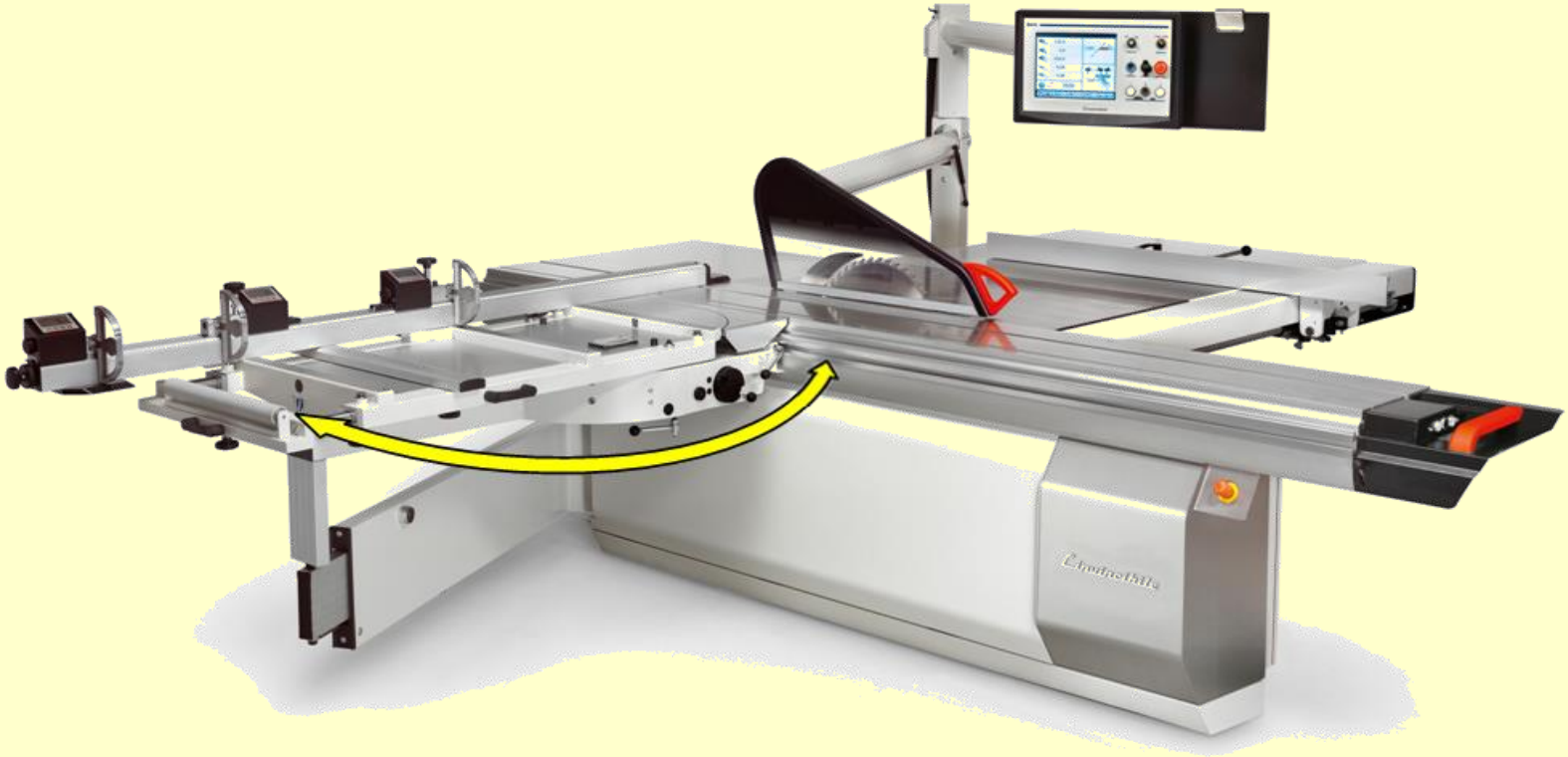


Video M2CM03thk_bandiera

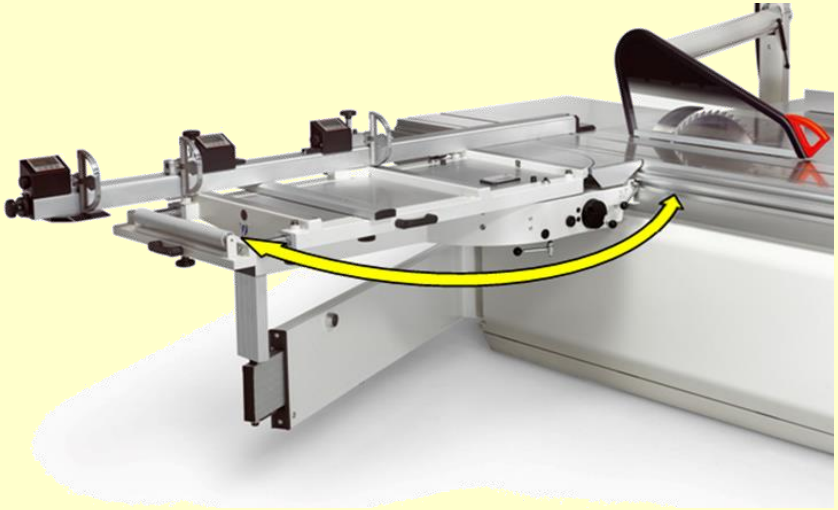
“L’invincibile” squaring frames and rules ▸ “Full Support Wireless” frame (**SCM patent**)

The “Full Support Wireless” frame (**SCM patents**) has 2 main features:

1) To carry out angled cuts the squaring rule is not angled but the whole frame is rotated (this allows the maximum possible support for the piece to be machined, i.e. practically the whole frame dimensions)

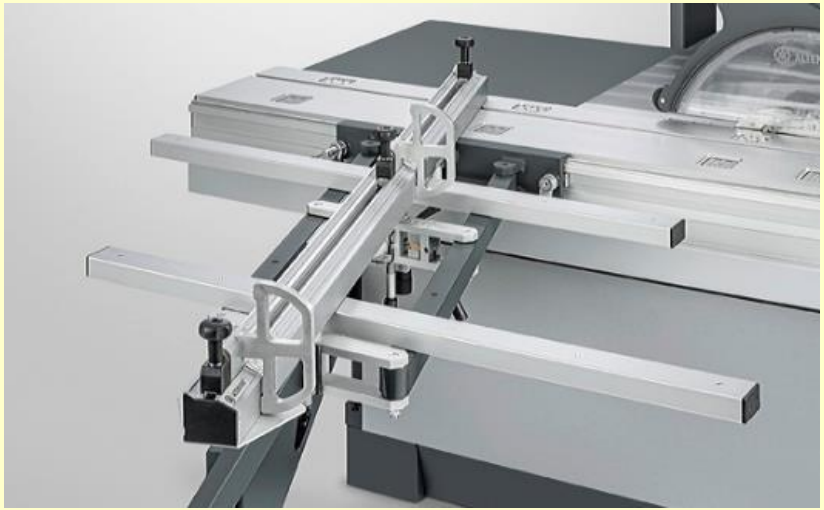


“Full Support Wireless” frame (**SCM patent**)

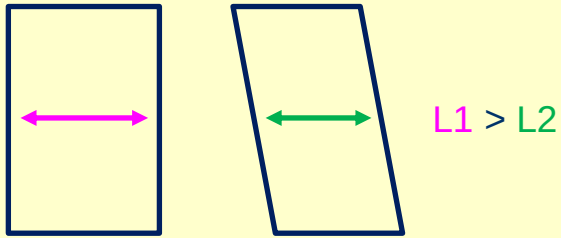


To carry out angled cuts the squaring rule is not angled but the whole frame is rotated (this allows the **maximum possible support for the piece to be machined, i.e. practically the whole frame dimensions**).

Alternative solution

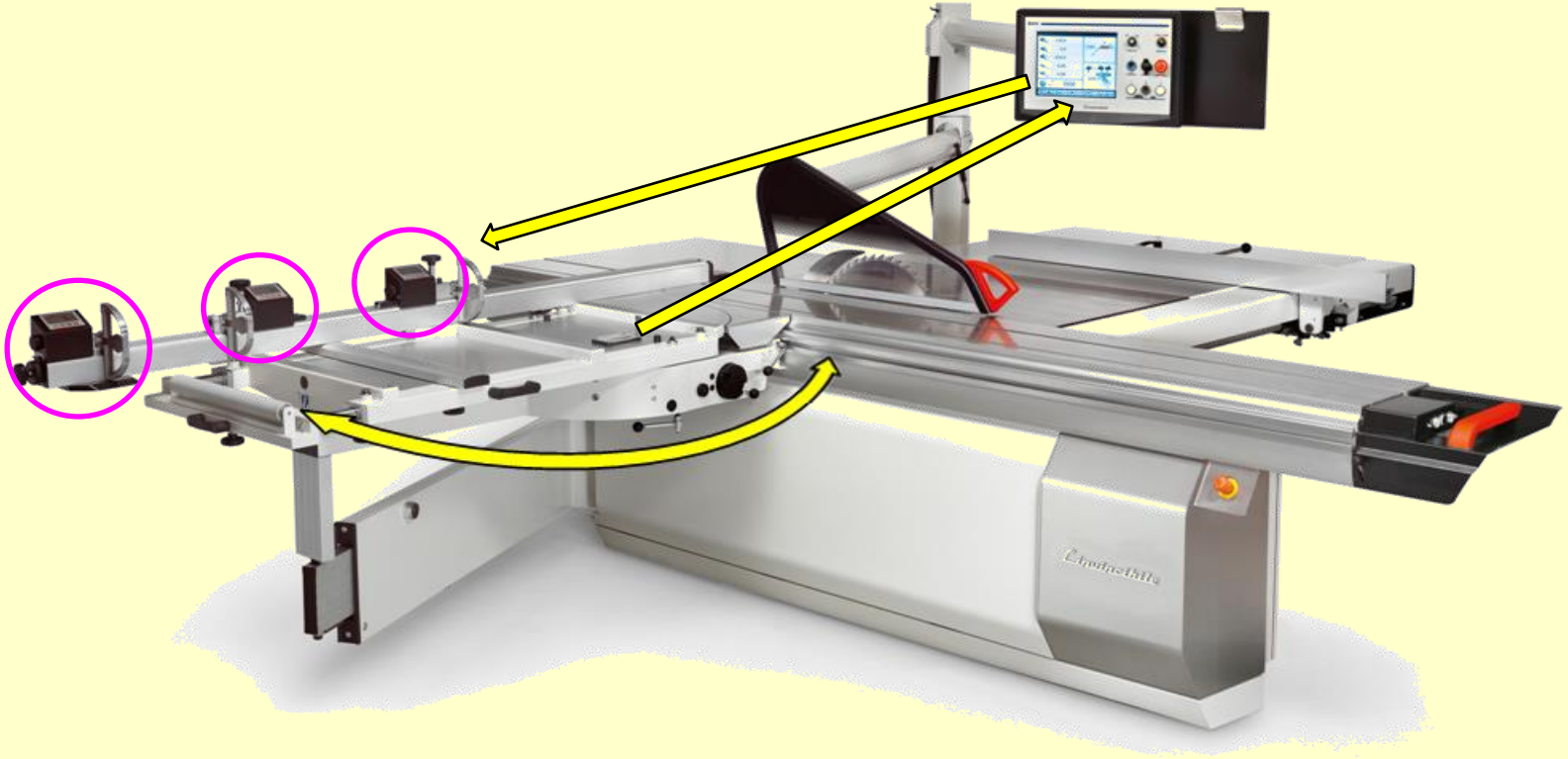


Alternative solutions offer frame with “parallelogram” tilting, thus reducing the supporting surface to the piece to be machined.



The “Full Support Wireless” frame (**SCM patents**) has 2 main features:

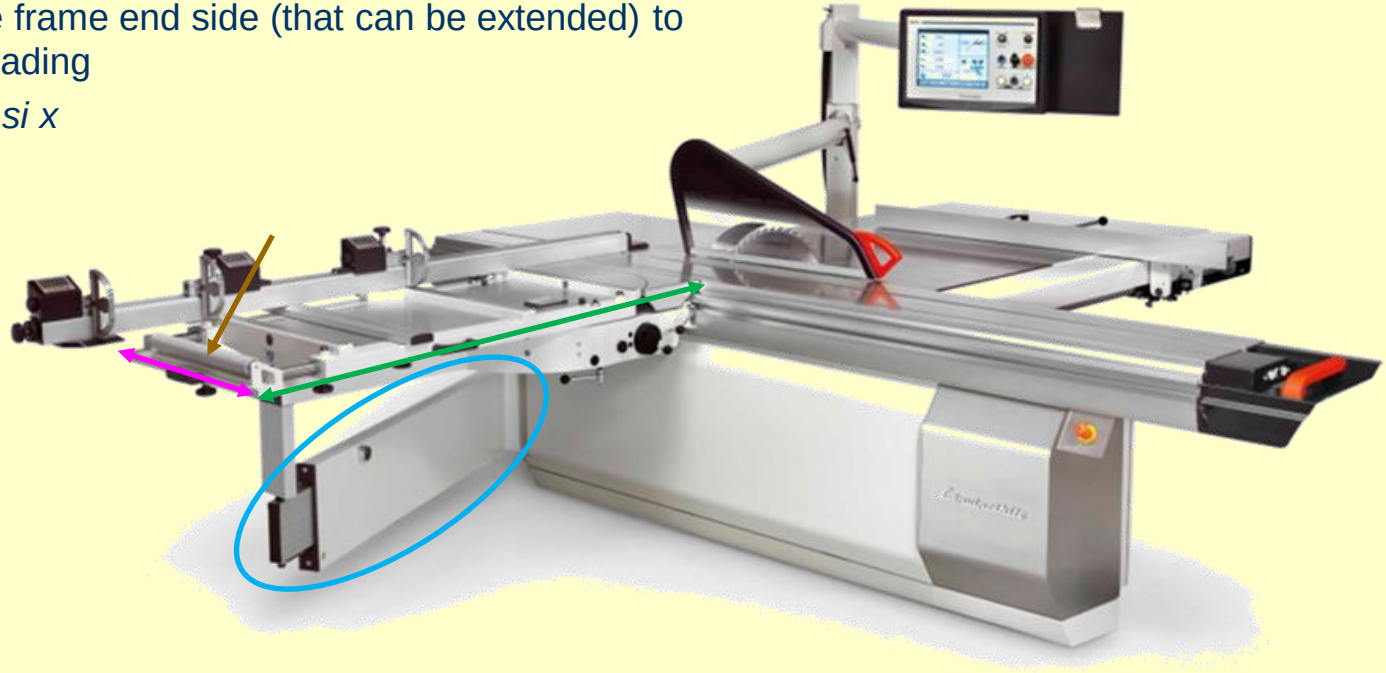
2) The frame communicates «via wireless» the rotation information to the machine control and this sends the processed information to the 3 stops readouts positioned on the squaring rule for their correct positioning.



“L’invincibile” squaring frames and rules ▸ “Full Support Wireless” frame (**SCM patent**) features:

- Frame dimensions: 680 x 1600 ÷ 2050 mm
- The best work piece support even in the case of angled cuts
- Wireless interaction between frame, control and squaring stops
- “Swinging arm” sliding support with recirculating ball screws on THK linear fence (**SCM patent**)*
- Extended squaring rule with 3 reversible stops equipped with position readouts
- Steel idle roller on the frame end side (that can be extended) to facilitate the panels loading

Machines: L’invincibile si x



Video M2OP02_FullSupport

Video M1LL01taglio_angolato

Operating units

Rip fence

The unit consists of:

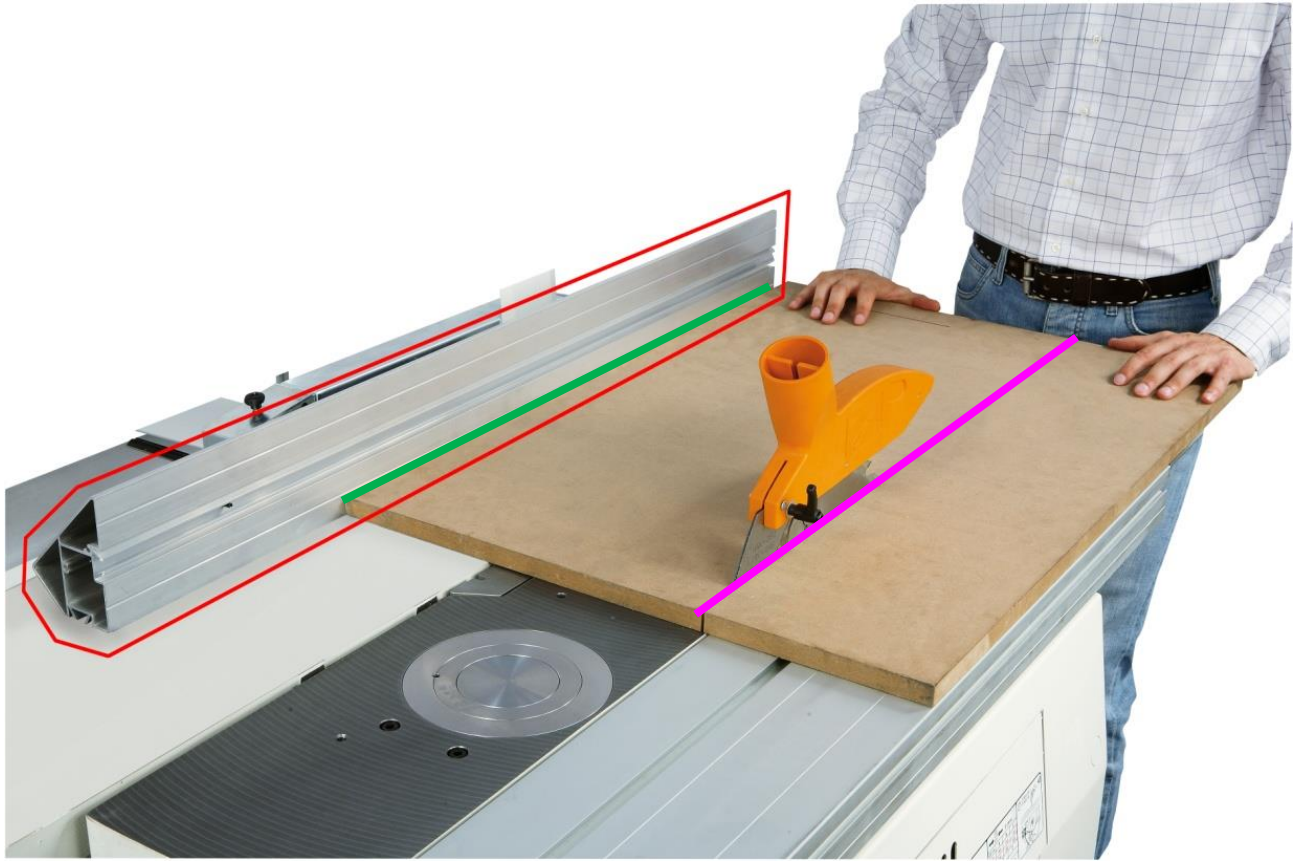


Support

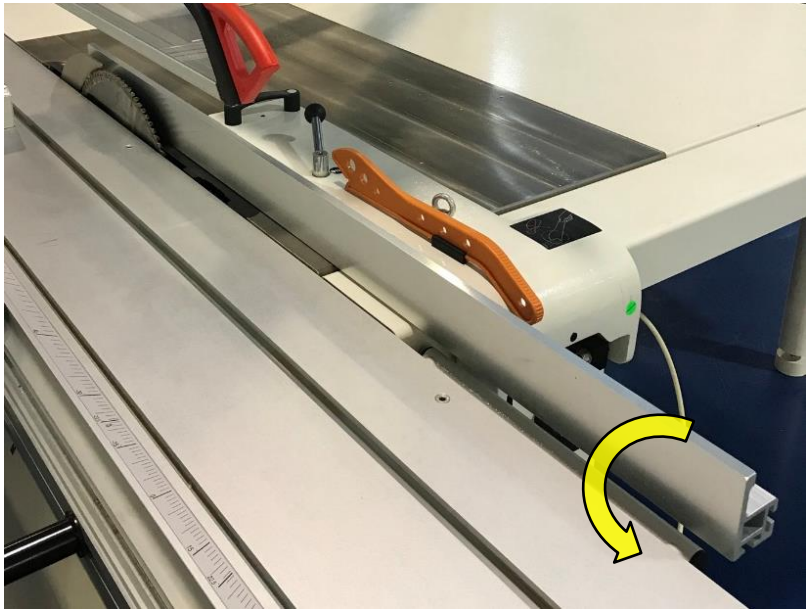
Rip fence
(extruded)

Sliding bar

- Since the rip fence is parallel to the blade, using the first cut as a reference support for the rip fence, a second cut, parallel to the first, will be obtained.



In the case of tilted cutting of particularly narrow elements it is necessary to overturn the extruded rip fence using it in its "low" position, in order to avoid collisions between the extruded itself and the blade





“genius” rip fence, features:

- Cutting width: 700 mm
- Aluminum support
- Sliding bar with square section

Machines: minimax sc 1g

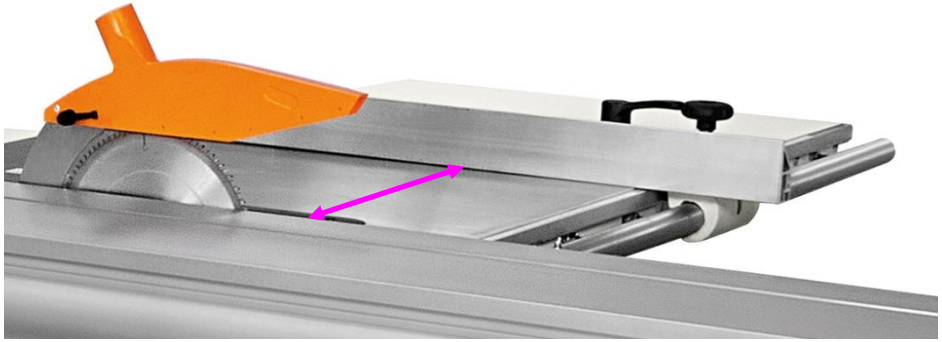




“classic-elite-elite s-nova” rip fence, features:

- Cutting width: 900 ÷ 1270 mm (Classic-Elite -Elite S); 1000 ÷ 1500 mm (nova)
- Cast-iron support with micrometric adjustment
- Sliding bar with round section

Machines: minimax sc 2c, minimax sc 3c, minimax sc 4e, minimax si 315es/nova si 30, minimax si 400es/ nova si 40, nova si 300, nova si 300s, nova si 400, nova si 400ep



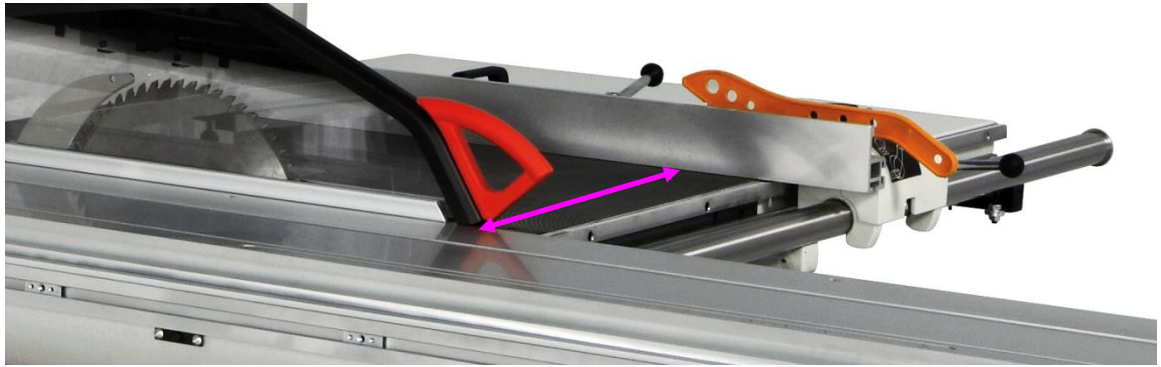




“class” rip fence, features:

- Cutting width : 1000 ÷ 1500 mm
- Cast-iron support with micrometric adjustment
- Sliding bar with round section

Machines: class si 300, class si 350, class si 400, class si 400ep, class si 550ep, class si x







“L’invincibile” rip fence, features: :

- Electronic controlled* fence
- Cutting width: 1000/1500 mm
- Sliding system on THK linear fence with transmission on recirculating ball screws*

Machines: L’invincibile si 3, L’invincibile si 5, L’invincibile si x

(See folowing slide)*



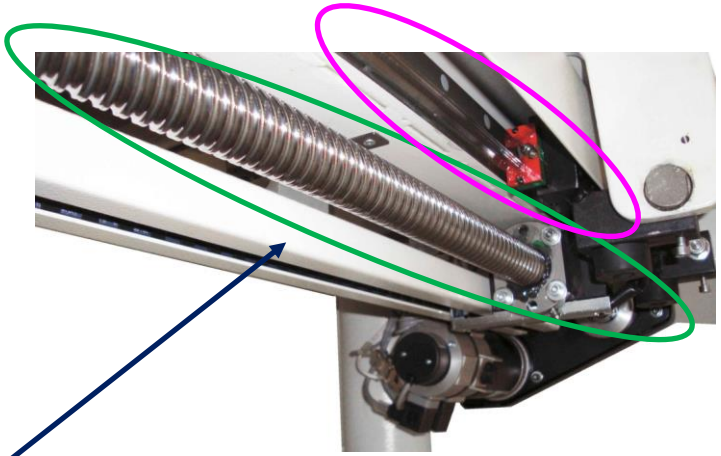


There are 3 types of electronic controlled rip fences in the SCM:

1) Rip fence with movement on THK linear fence with transmission on recirculating ball screws (seen in the previous slide)

- Speed
- Precision







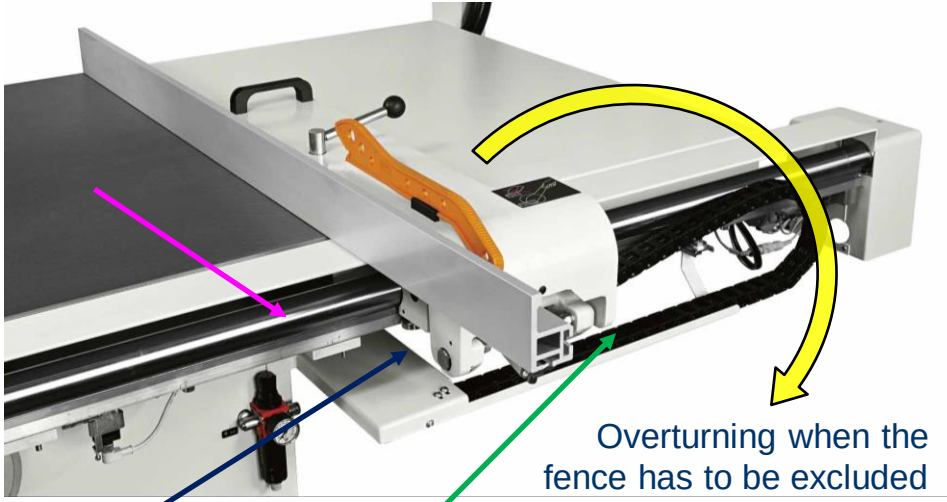
Overturning when the fence has to be excluded to exceed the max. cutting width with the rip fence.

There are 3 types of electronic controlled rip fences in the SCM:

2) Rip fence with moving system on round bar and transmission with steel cable

- Precision
- Economic



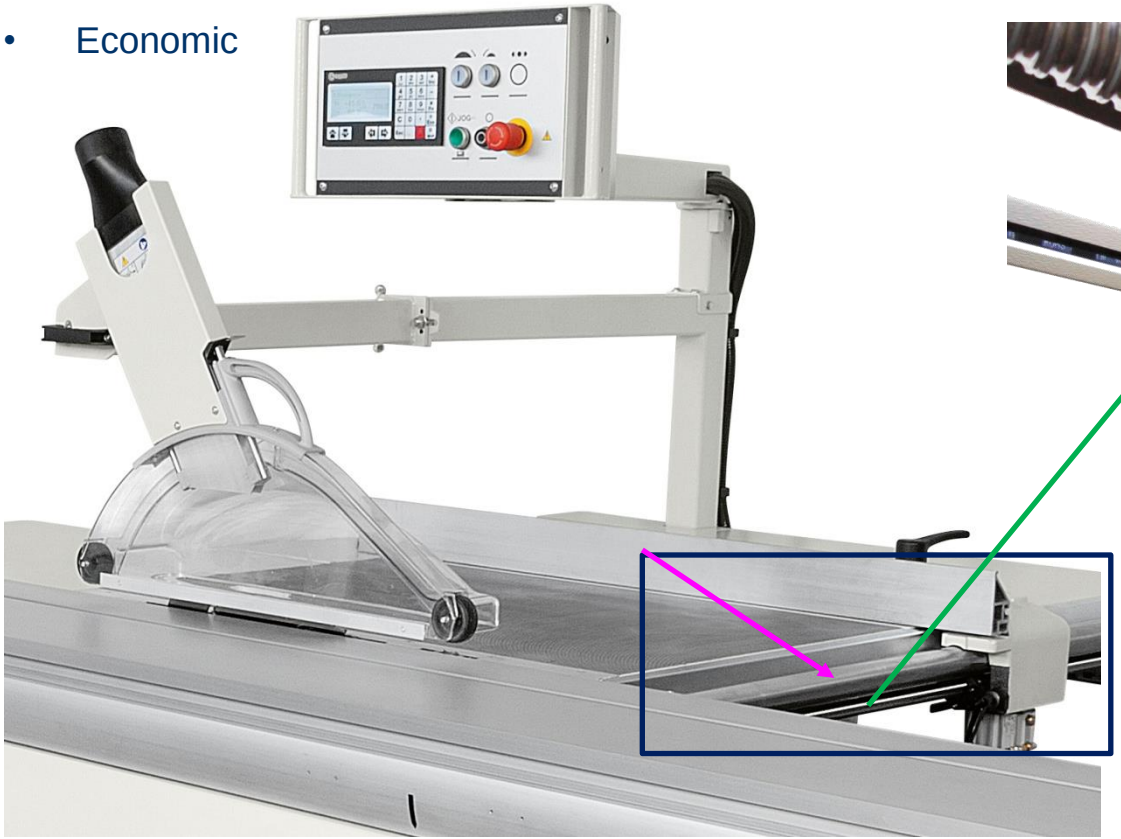


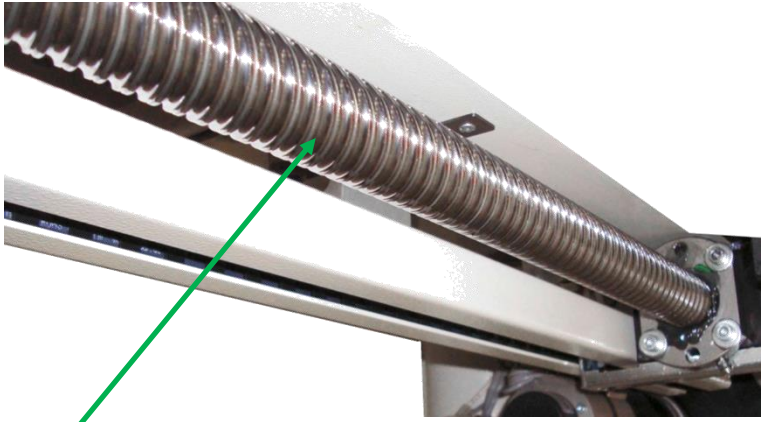
Overturning when the fence has to be excluded to exceed the max. cutting width with the rip fence.

There are 3 types of electronic controlled rip fences in the SCM:

3) 2) Rip fence with moving system on round bar and transmission with recirculating ball screws

- Precision
- Economic





Removable when the fence has to be excluded to exceed the max. cutting width with the rip fence.

There are 3 types of electronic controlled rip fences in the SCM:
:

	minimax	nova	class	L’invincibile
Moving system on THK linear fence with transmission on recirculating ball screws	-	-	Option	Standard
Moving system on round bar and transmission with steel cable	-	Option	Option	-
Moving system on round bar and transmission with recirculating ball screws	Option	Option	-	-

Operating units

Machine controls and electronic controls

As mentioned above, the circular saw have adjustable operating units:

Manual





Powered



Electronic-Programmed:
Ready



Electronic-Programmed :
Easy



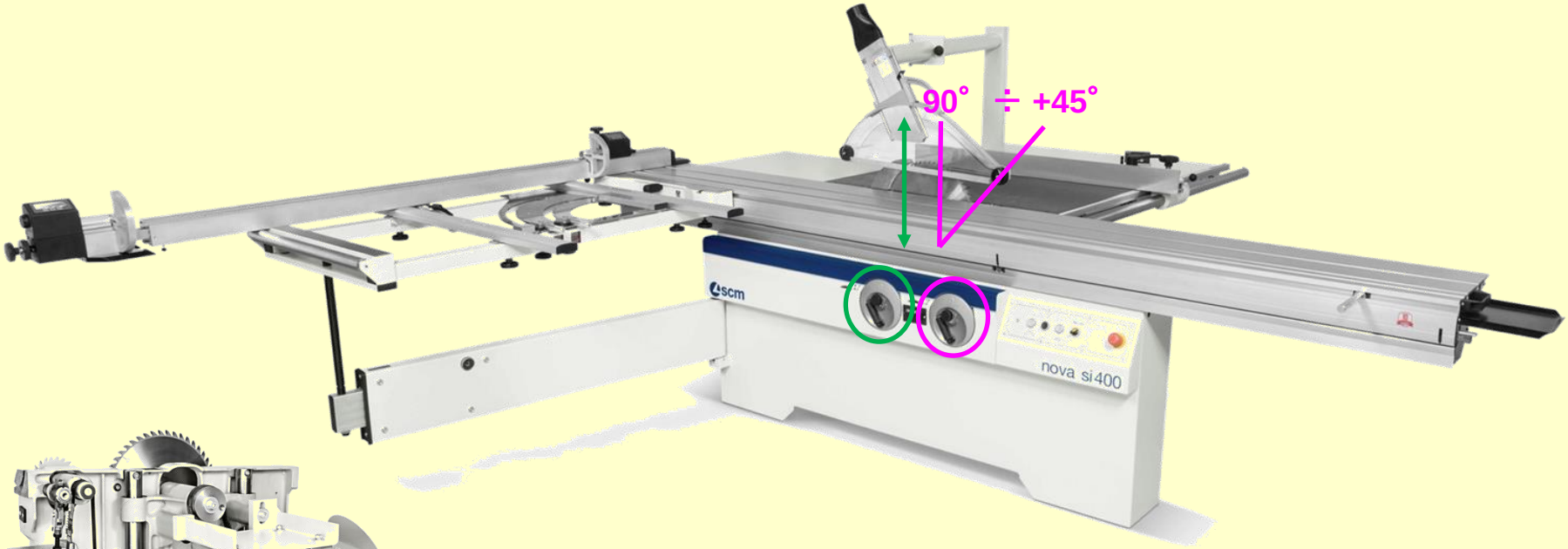
Electronic-Programmed :
Easy Touch

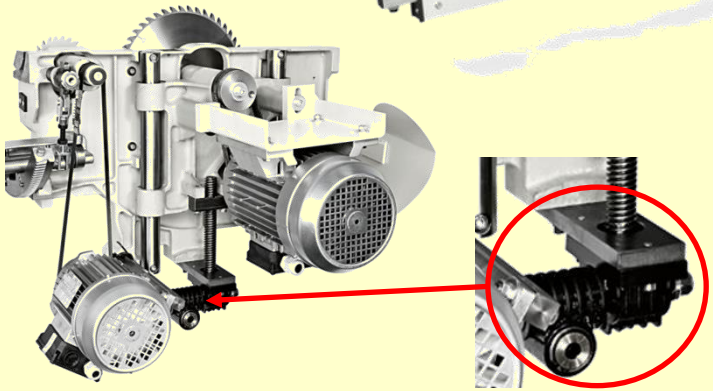
The manual machine are equipped with user-friendly handwheels for the blade adjustment (lifting and tilting), while the rip fence is manually adjusted.





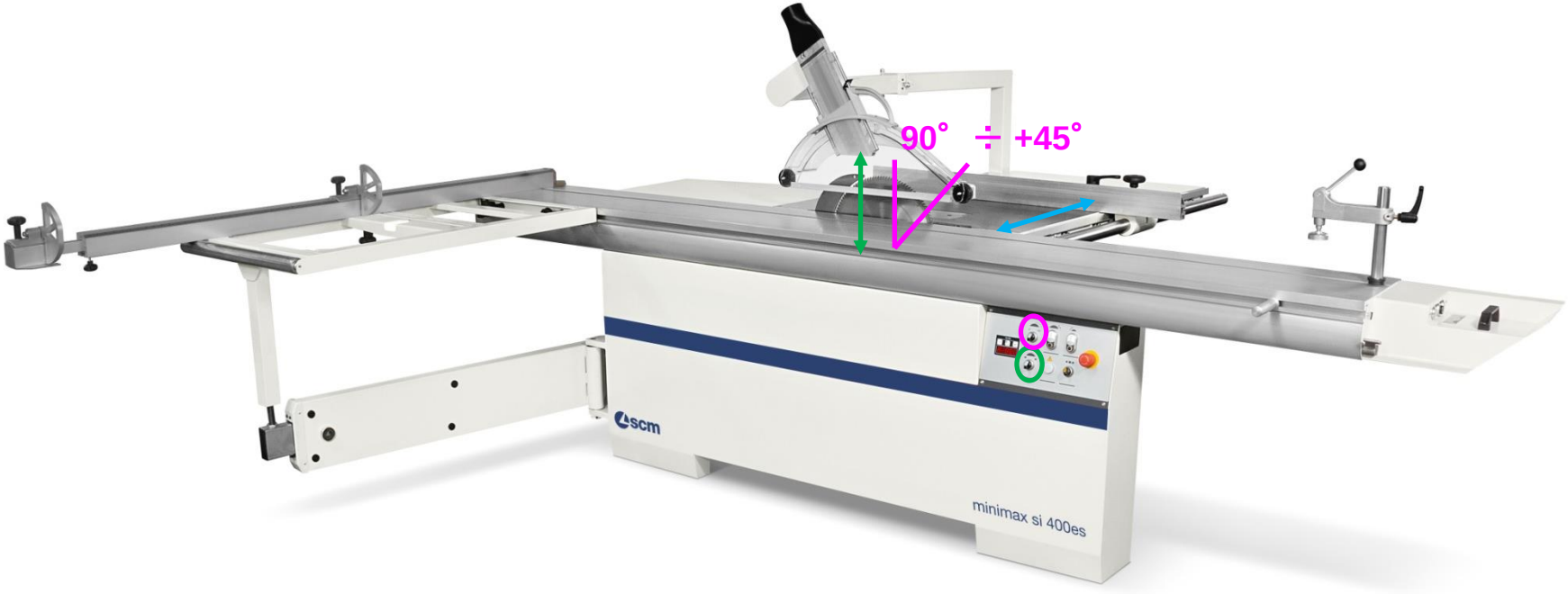
For an ease of use in every day operation, nova si 300, nova si 300s, nova si 400, class si 300, class si 350 and class si 400 have the lifting and tilting handwheels on the machine front …





…and this thanks to the dedicated gear box ▸ **SCM Patent**

The powered machine instead have the selectors for the blade lifting and tilting on the control panel, while the rip fence is manually adjusted



Electronic-programmed machines, Ready electronic control:





- Control of max. 3 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
- memory capacity of up to 99 programs with its blades

Electronic-programmed machines, Easy electronic control:



- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)



Electronic-programmed machines, Easy electronic control:

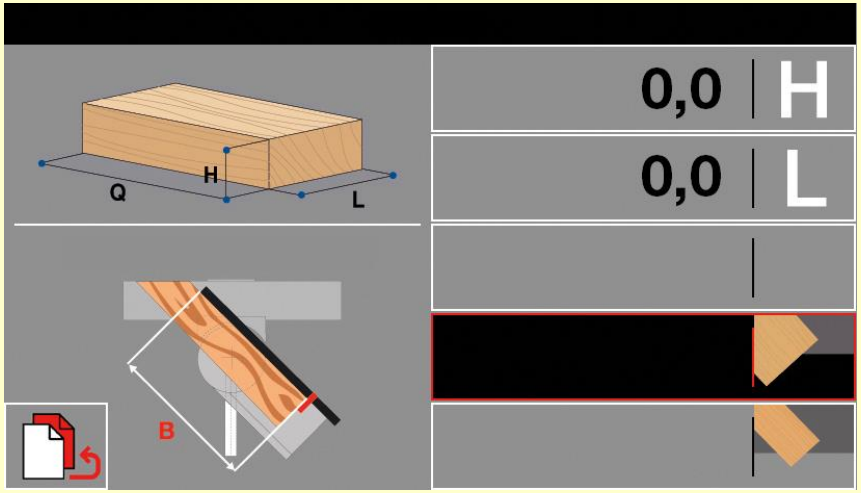


- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 300 programs with its blades



Electronic-programmed machines, Easy electronic control:





- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 300 programs with its blades
- Operator's help function when carring out complex cuts

«Easy» suggests to the operator information for the correct use of any cutting configuration. In particular it displays in real time the correct position of the stop on the basis of the known measurements of the work (**SCM solution**).

The manual and powered machines, and the machines with Ready and Easy* control have two user-friendly levers for the scoring blade alignment (to the saw blade) positioned outside the machine





The nova** and class machines have useful mechanical stops which allows immediately finding of the set position.

(In absence of the option “Electronic scoring unit adjustment”)*
*(** Excepting nova si 30, nova si 40 e nova si x)*

Electronic-programmed machines, Easy Touch electronic control:

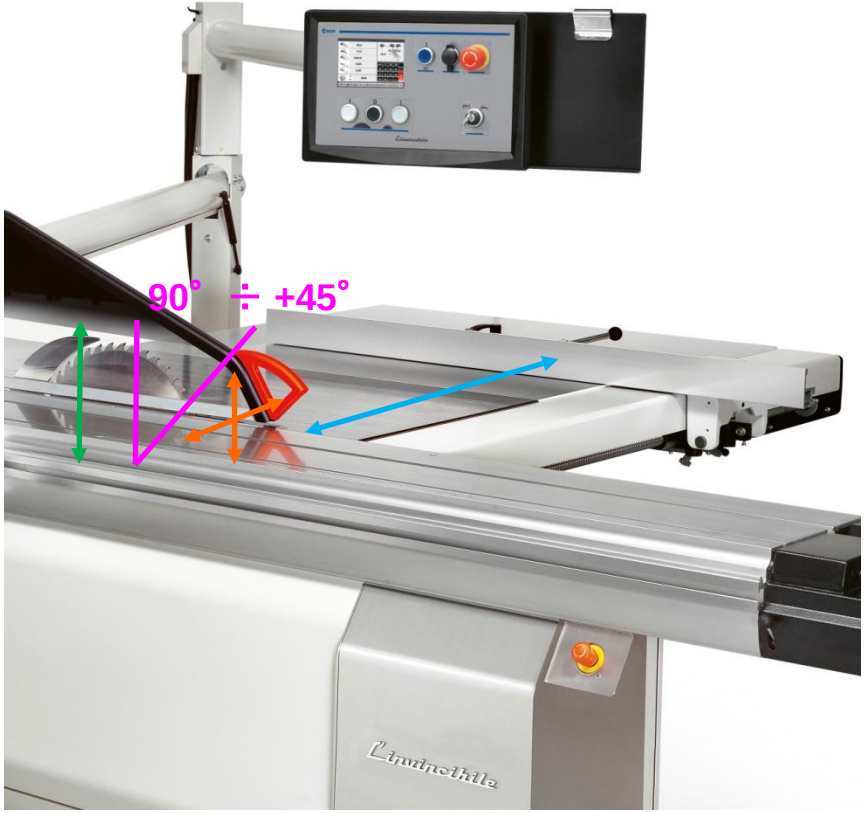


- 7” o 12” Touch screen colour display (option)

Electronic-programmed machines, Easy Touch electronic control:



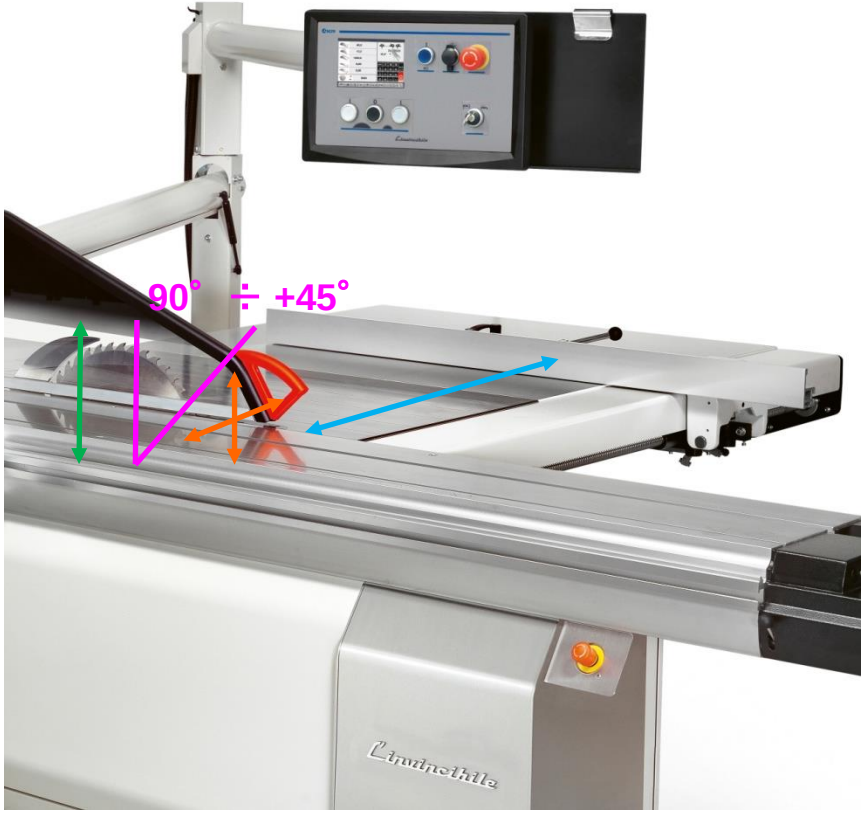
- 7” o 12” Touch screen colour display (option)
- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)



Electronic-programmed machines, Easy Touch electronic control:



- 7” o 12” Touch screen colour display (option)
- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 999 programs with its blades



Electronic-programmed machines, Easy Touch electronic control:



- 7” o 12” Touch screen colour display (option)
- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 999 programs with its blades
- Advanced operator’s help function



Easy Touch suggests to the operator information for the correct use of any cutting configuration. In particular it displays in real time the correct position of the stop on the basis of the known measurements of the work (**SCM solution**).

Electronic-programmed machines, Easy Touch electronic control:



- 7” o 12” Touch screen colour display (option)
- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 999 programs with its blades
- Advanced operator’s help function

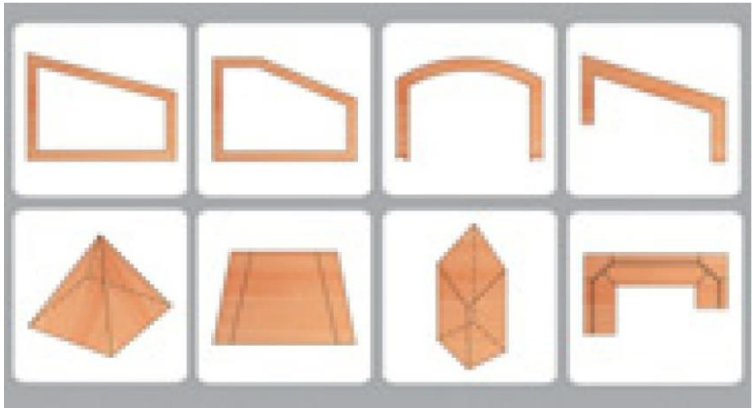


Each machining is followed step by step by suggestions and information that prevent the operator from performing incorrect operations.

Electronic-programmed machines, Easy Touch electronic control:

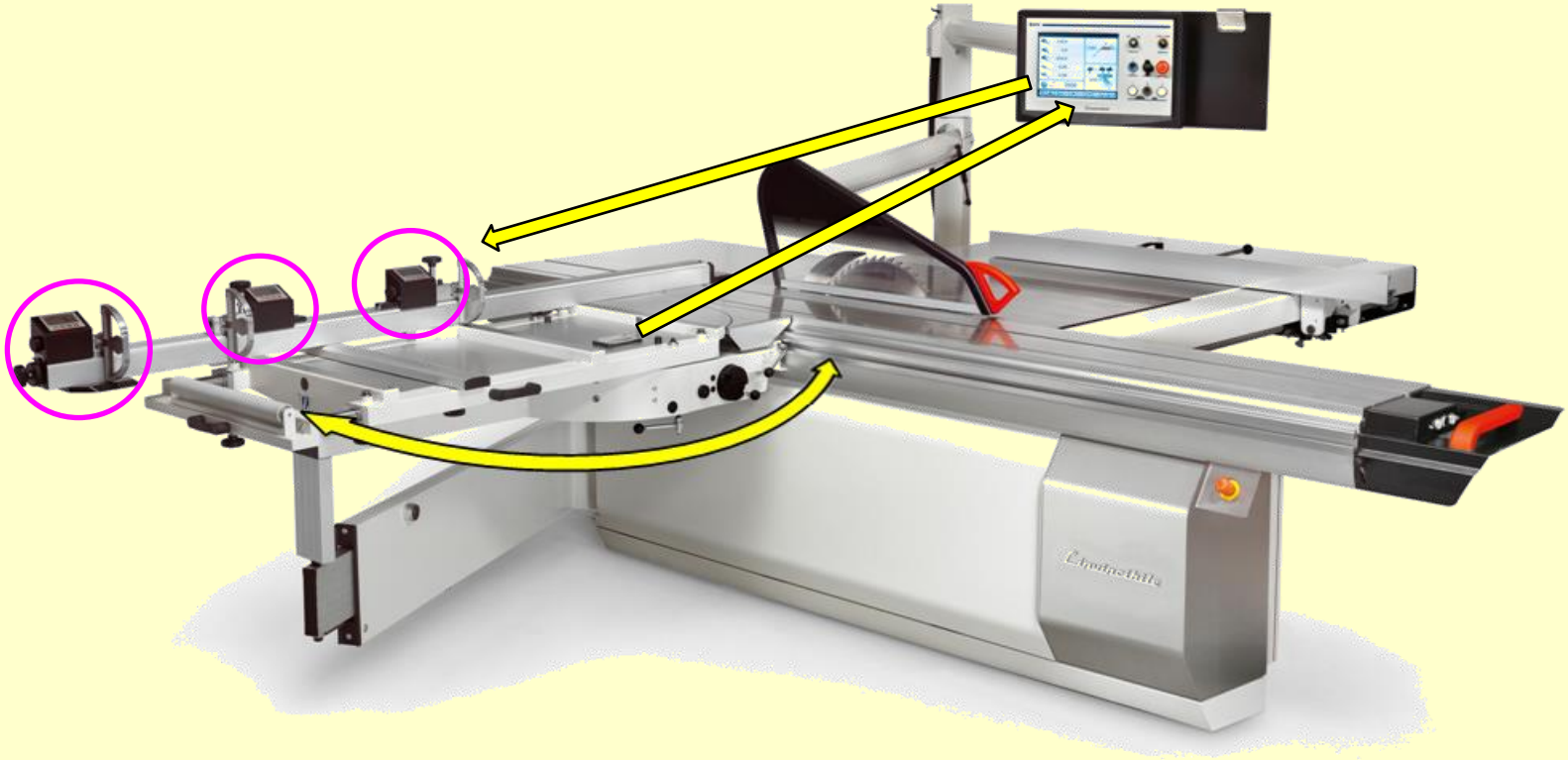


- 7” o 12” Touch screen colour display (option)
- Control of 6 adjustments:
  1) Blade lifting
  2) Blade tilting
  3) Rip fence adjustment
  4) Scoring unit lifting (option)
  5) Scoring unit alignment (option)
  6) Electronic blade speed change by means of inverter (option)
- Storage capacity up to 999 programs with its blades
- Advanced operator’s help function



Additional calculation functions guide the operator in carryng out the necessary cuts of assembled and complex geometric shapes.

Electronic-programmed machines, Easy Touch electronic control:



In presence of the “Full Support Wireless” frame (**SCM patent**), Easy Touch communicates «via wireless» both with the frame and the 3 stops readouts positioned on the squaring rule, sending them the information processed and thus assisting the operator in their correct positioning.

SCM machine controls and electronic controls:

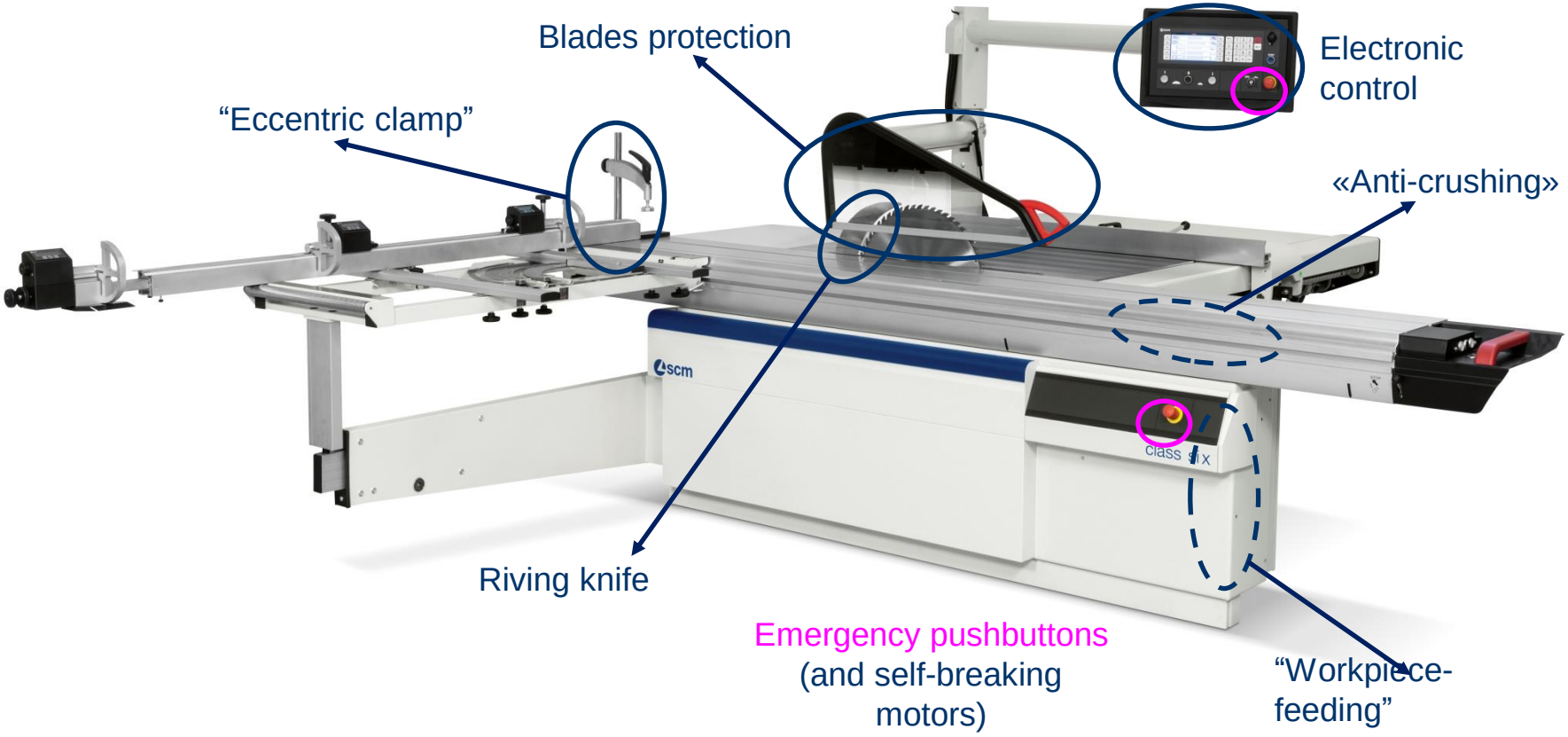
	minimax	nova	class	L'invincibile
Manual	✓	✓	✓	-
Powered	✓	✓	-	-
Ready 	✓	✓	✓	-
Easy 	-	-	✓	-
Easy Touch 	-	-	-	✓



Safety devices

The woodworking machines of SCM Group are machines that have always been strongly oriented towards operator safety and meet the most stringent regulations in force worldwide.

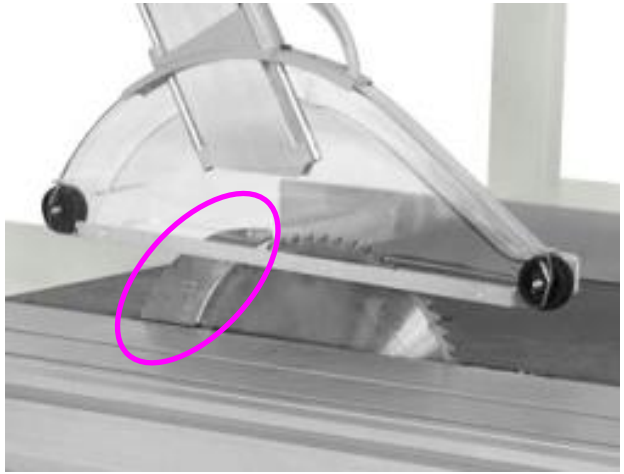
The main safety devices of a SCM circular saw are the following:



“Eccentric clamp”: it is the clamp which tights the piece to be cut



Riving knife: the piece being processed, once the blade has passed after cutting, due to the intrinsic strength of the wood and the kinematic forces could "embrace" the blade with the consequent risk of overturning and ejection of the piece itself due to the blade rotation and the consequent risk for the operator’s safety. The riving knife (metal element with the knife shape from which the name) has the function of keeping the “cut open" and ensuring that the piece being processed does not "close" behind the blade by "embracing" it.

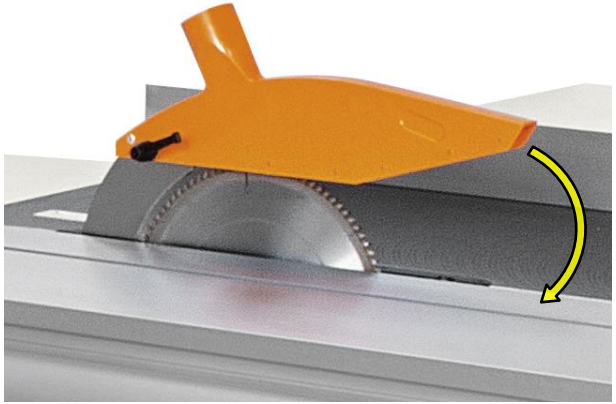




The blade protection must ensure that only the part of the blade involved in the cut is uncovered and the remaining part is completely covered (and protected).

There are two types of blade protection:





1) Mounted on riving knife
The CE standard requires this type of protection when the circular saw is equipped with a max <= 315 mm blade diameter

The blade protection must ensure that only the part of the blade involved in the cut is uncovered and the remaining part is completely covered (and protected)

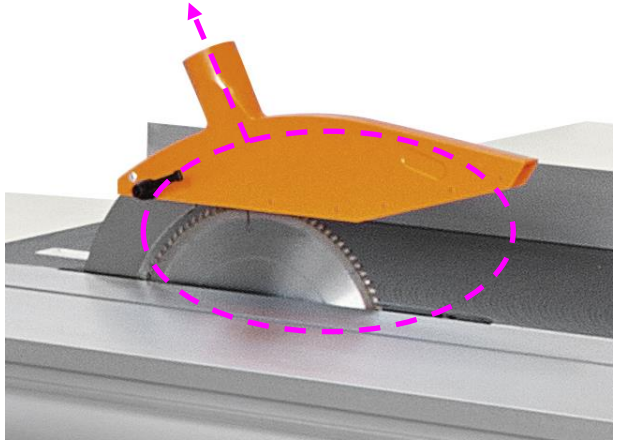
There are two types of blade protection:

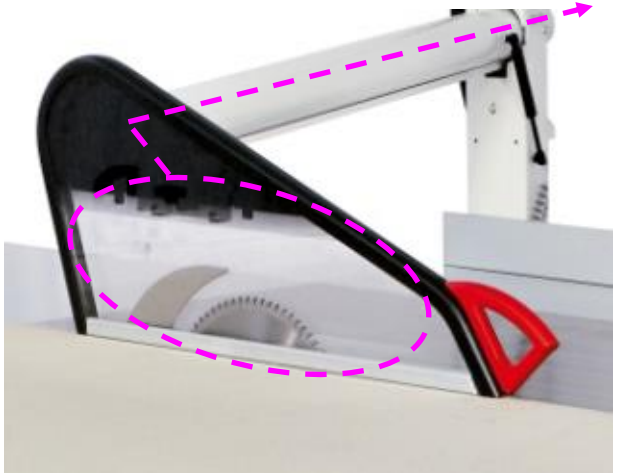




2) “overhead ” protection type
The CE standard requires this type of protection when the circular saw is equipped with a max <= 315 mm blade diameter

The blades protection, in addition to the operator's protection, has the function of working dust suction in the area as close as possible to the blade cutting line.





Clearly a blade cutting line that is as clean as possible guarantees a cut with a good finish…

Two types of inserts are provided to ensure that the blade protection effectively also satisfies the cutting line suction function:

- one insert with the profile as close as possible to the blade in the cut condition with a straight
-one with a larger profile to accommodate the tilted blade in the cut condition with an tilted blade



These inserts are normally interchanged manually.

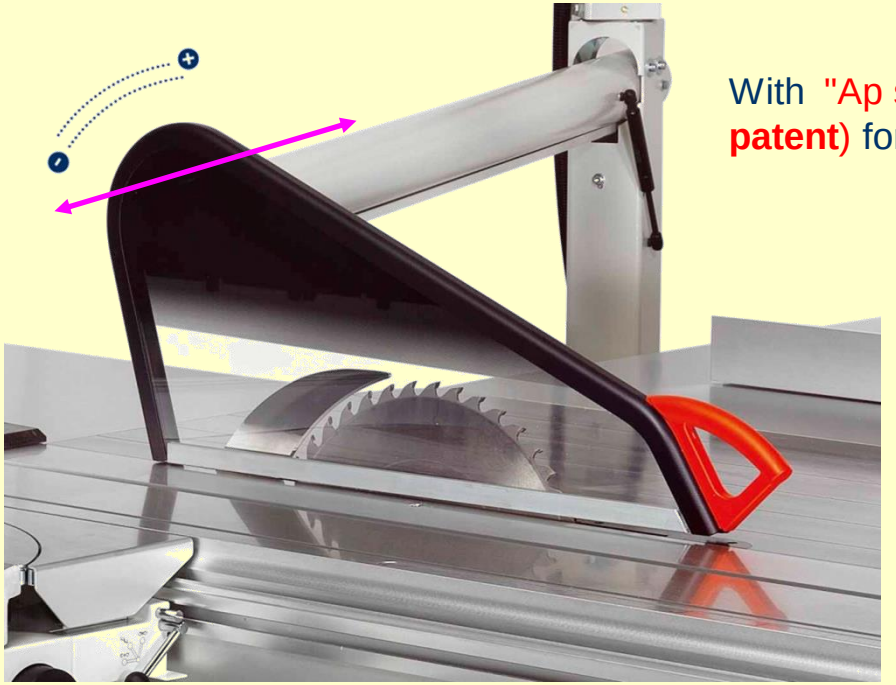


The SCM circular saws with double blade tilting -46° ÷ +46, i.e. minimax si x/nova si x, class si x and L'invincibile si x, have a rapid positioning system for the tilted blade protection that prevents the operator from having to interchange them when passing from positive to negative tilting and vice versa



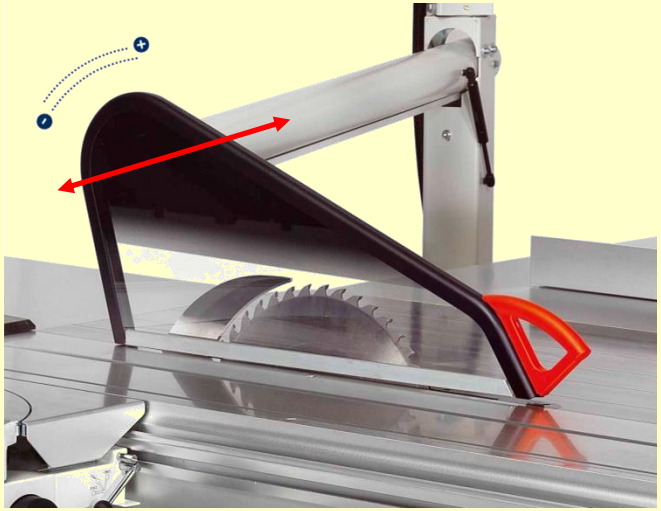
Manual extension for minimax si x/nova si x

The SCM circular saws with double blade tilting -46° ÷ +46, i.e. minimax si x/nova si x, class si x and L'invincibile si x, have a rapid positioning system for the tilted blade protection that prevents the operator from having to interchange them when passing from positive to negative tilting and vice versa:



With "Ap system " automatic positioning (**SCM patent**) for class si x and L'invincibile si x

"AP System" for overhead blade protection (**SCM patent**)



For the Automatic Positioning of the overhead protection according to the blade tilting

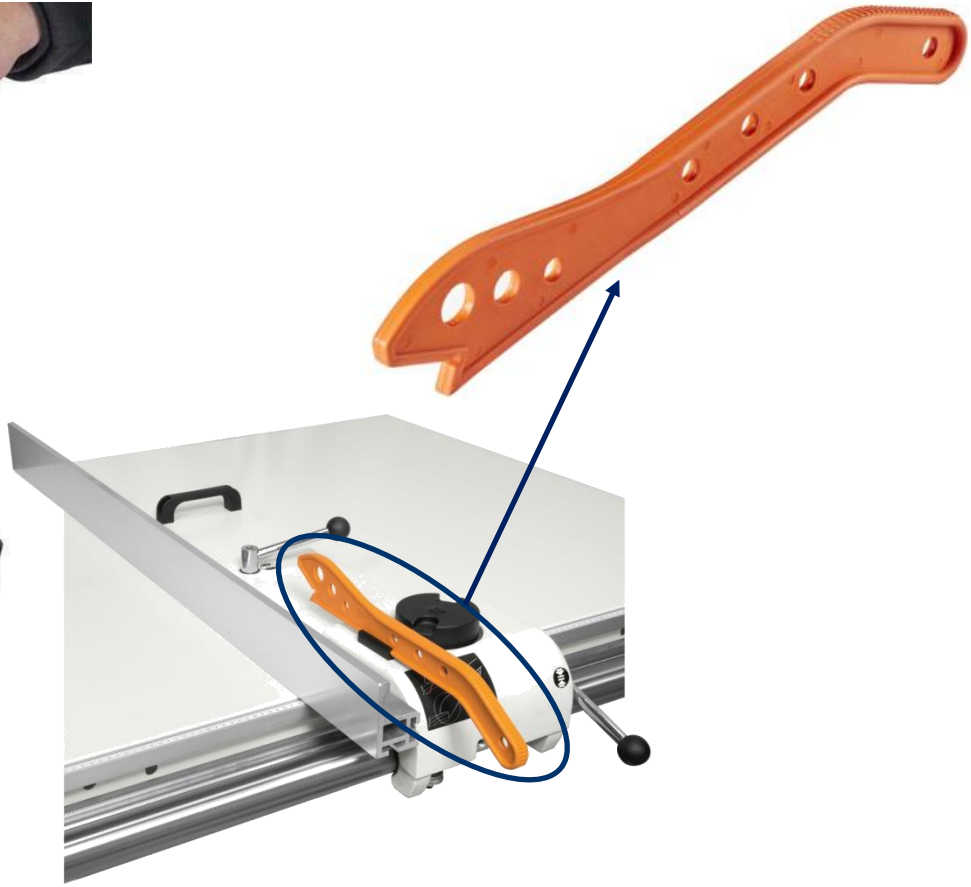
Alternative solution



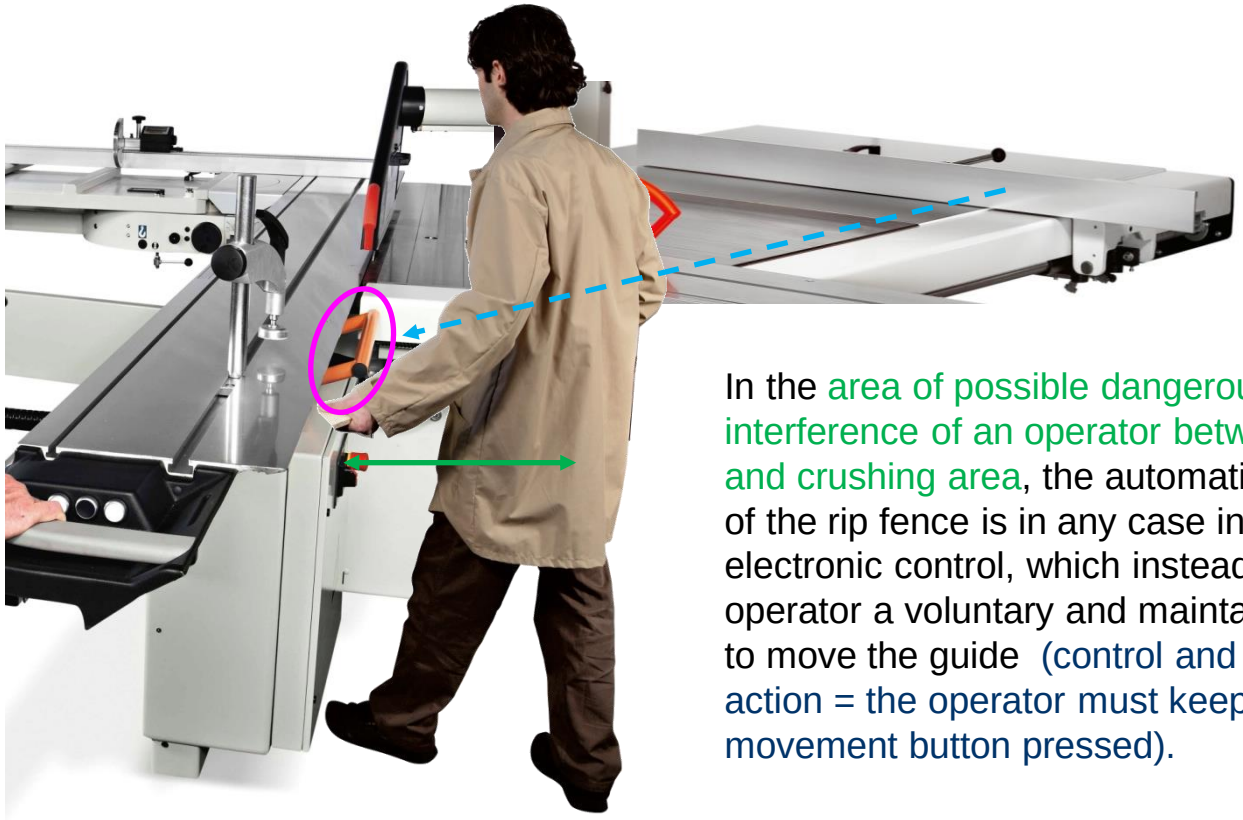
Alternative solutions offer manually interchangeable inserts

“Piece-feeding”: element in machinable material (plastic material in the SCM machines) which is used to push work pieces close to the blade, especially when processing very small and/or narrow pieces , for the operator’s protection.



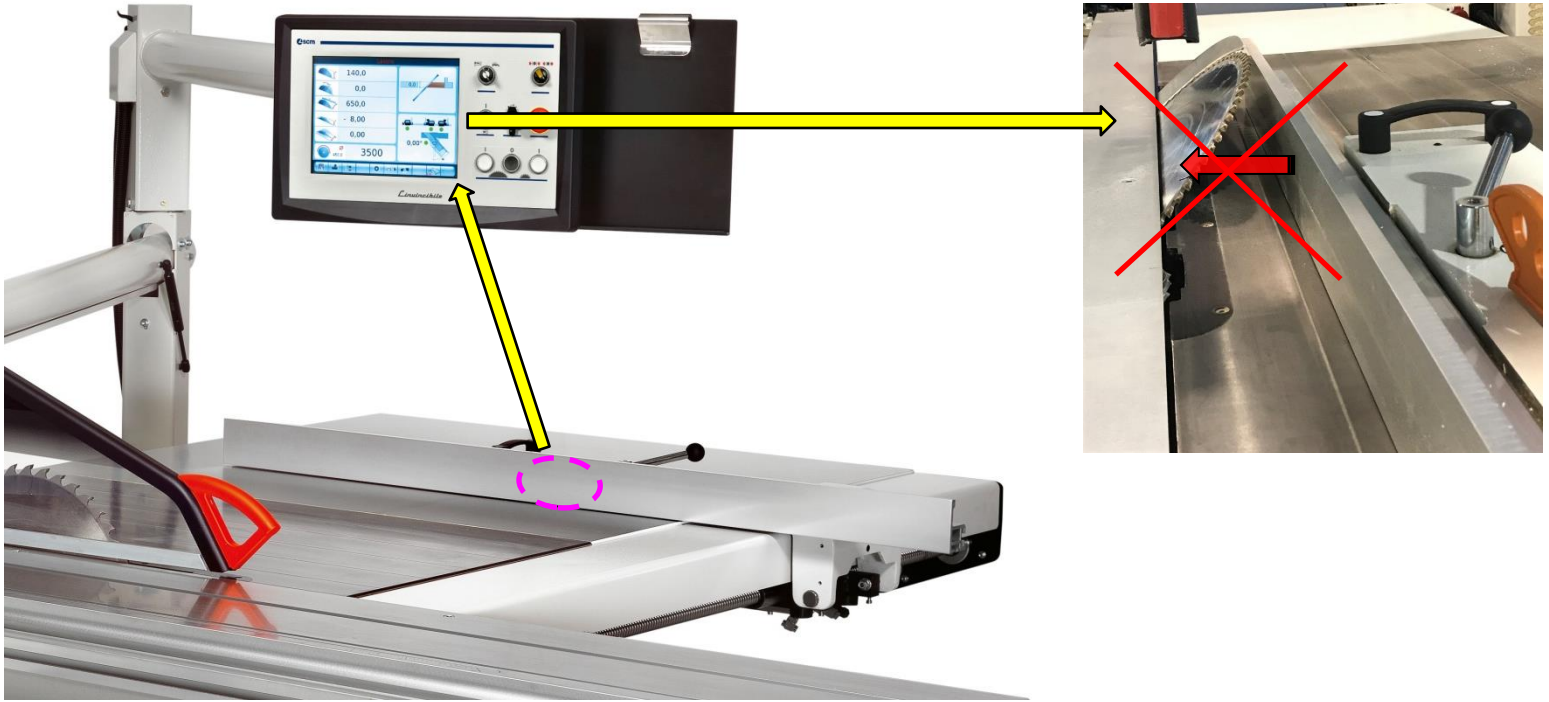


Anticrushing system: the circular saws of the SCM Group have operator's protection systems from all the electronic-automatic movements that can put their safety at risk. One of this is the anticrushing system which ensures that the electronic rip fence, approaching the blade automatically, cannot crush the body of an operator remained accidentally in that area.



In the area of possible dangerous interference of an operator between rip fence and crushing area, the automatic movement of the rip fence is in any case inhibited by the electronic control, which instead requires the operator a voluntary and maintained action to move the guide (control and maintained action = the operator must keep the movement button pressed).

Electronic control: SCM electronic controls are activated to detect potentially dangerous situations and prevent collisions involving units with electronic-automatic movement. In the shown case, the electronic rip fence has a sensor, in the extruded area, that can automatically detect if the rip fence is in a straight or overturned position: in both cases the control will prevent the extruded collision with a possible tilted.



The emergency pushbuttons when pressed, make the blade stop in the shortest possible time. The blades of the SCM circular saws, in full compliance with EC regulations, stop in <10 seconds. To succeed in this the machines that admit blades> 315 mm are equipped with self-braking motors.



Class px 350i

The class px 350i has two main advantages compared to the circular saws:

1) Safety

Thanks to the presser with safety bars with plastic sectors, the blade is completely covered during the cutting cycle.

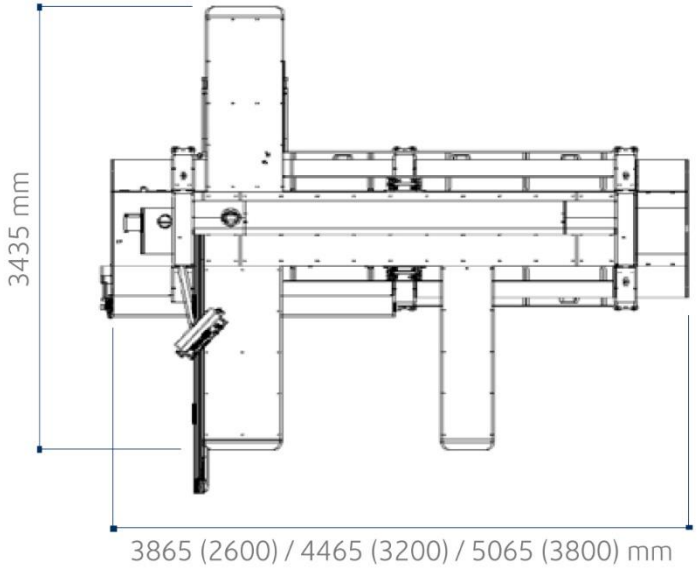


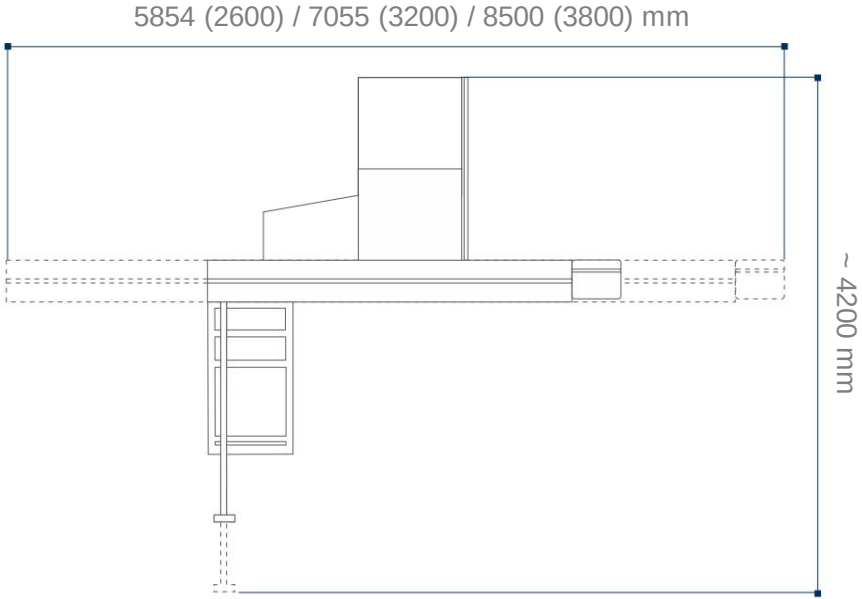


The class px 350i has two main advantages compared to the circular saws:

2) Reduced overall dimensions
   With the same cutting capacity, the class px 350i occupies 40% less work space



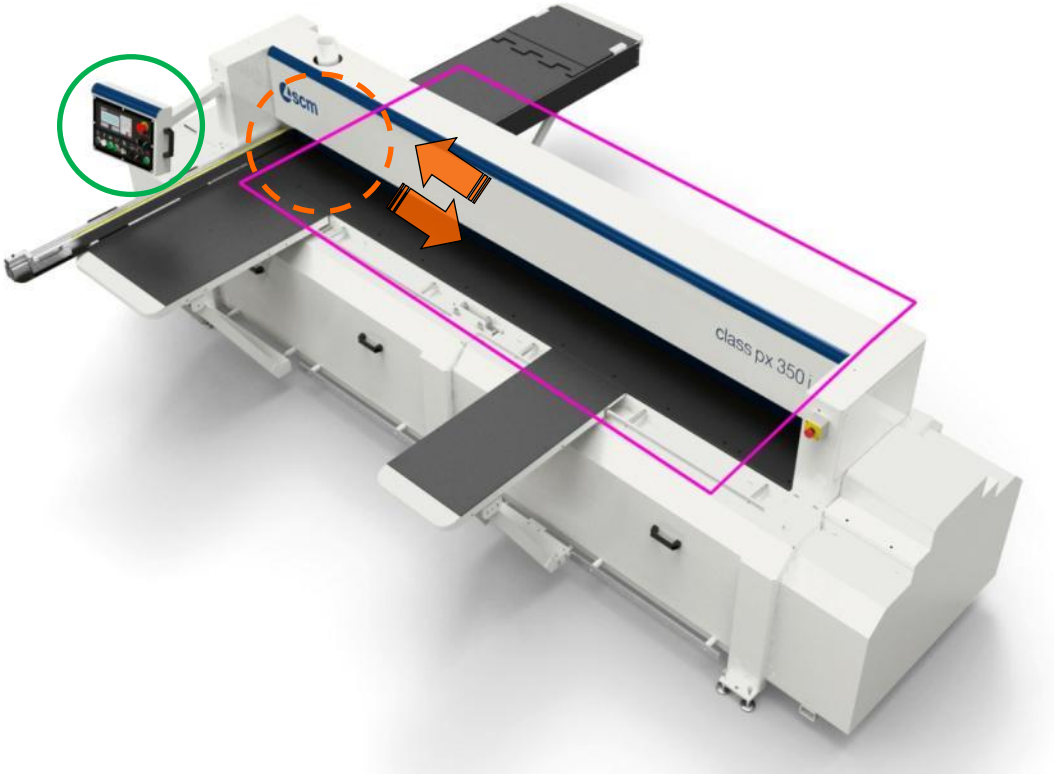




class px 350i

Cutting cycle

The element to be processed is loaded and positioned on the machine in the cutting area.
Once the correct program has been selected and started through the control panel, the blade unit goes torwards the element to be machined and then returns to the starting area.



From the control panel, 3 cutting modes can be selected:

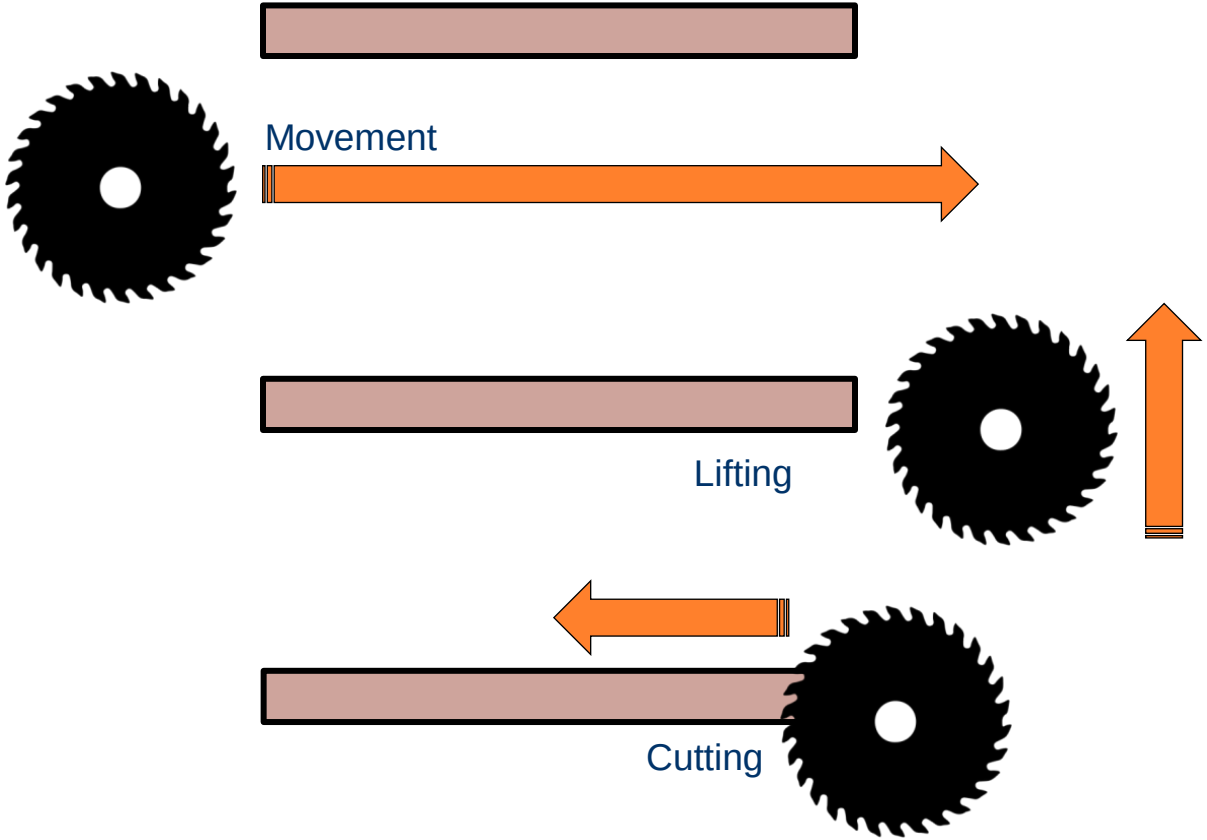


From the control panel, 3 cutting modes can be selected:

1) Only cutting…



…whose cycle is represented hereunder:

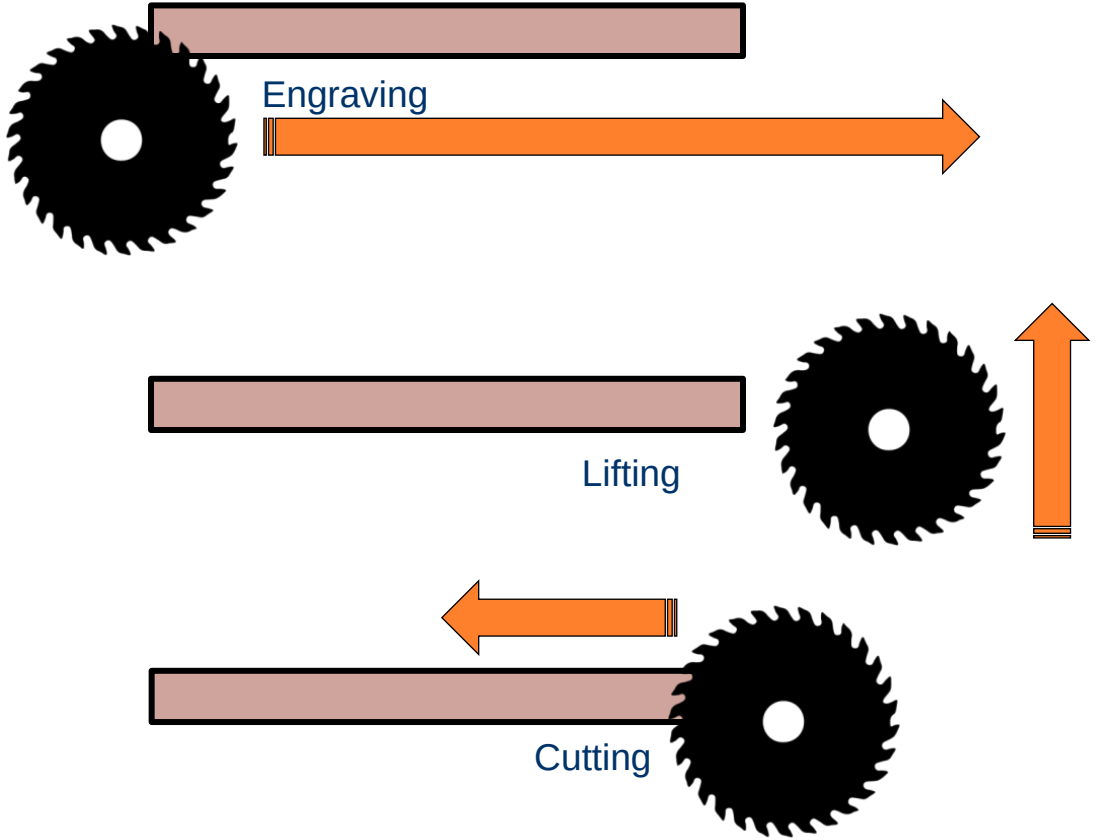


From the control panel, 3 cutting modes can be selected:

2) Engraving (to avoid chippings when cutting veneered panels) and cutting…

… whose cycle is represented hereunder:



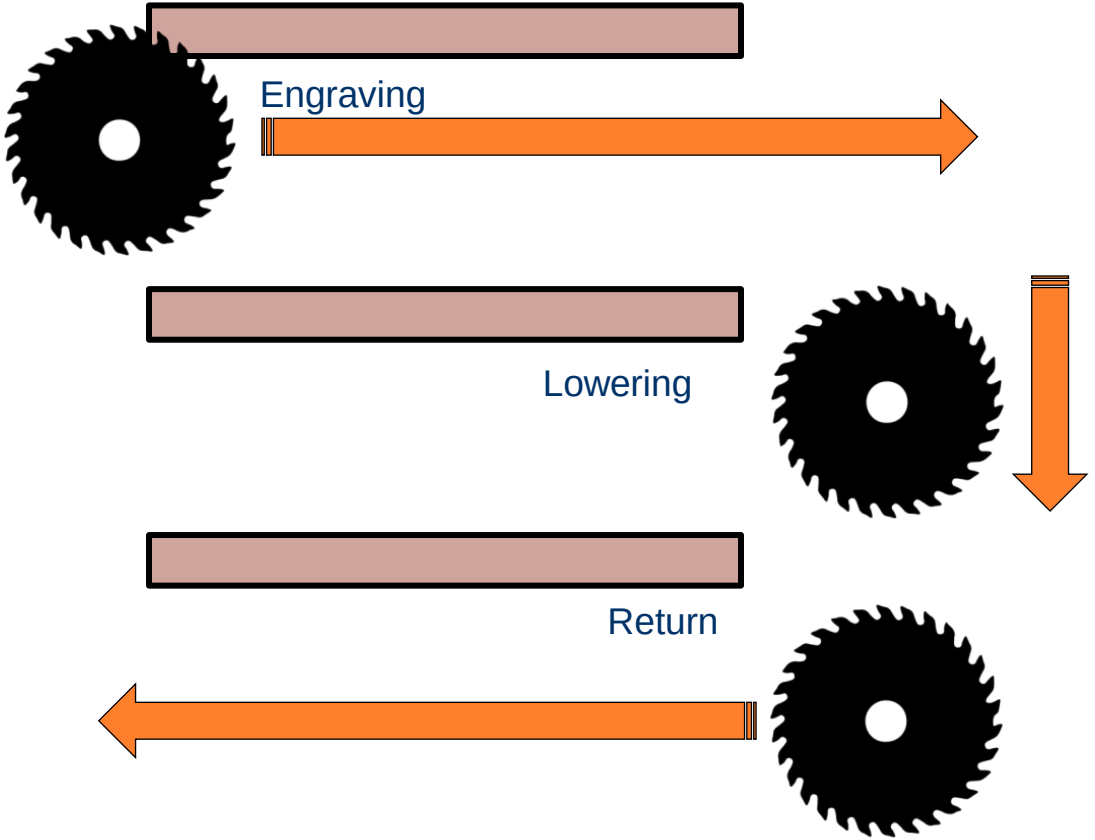


From the control panel, 3 cutting modes can be selected:

3) Only engraving (for particular machinings)…

…whose cycle is represented hereunder:





To create the "passage groove" within which the blade passes carrying out the cut, during the engraving phase the blade tilts on its horizontal axis by a few hundredths of a mm

