

LOHMEYER

SMART • WOOD • WORKING



FKS 320 IQ • FKS 355 IQ

Horizontal Panel Saw Sliding Table Saw CNC Machining Center Edgebander

Wood IQ is your smart choice

A good foundation means everything



We are Lohmeyer

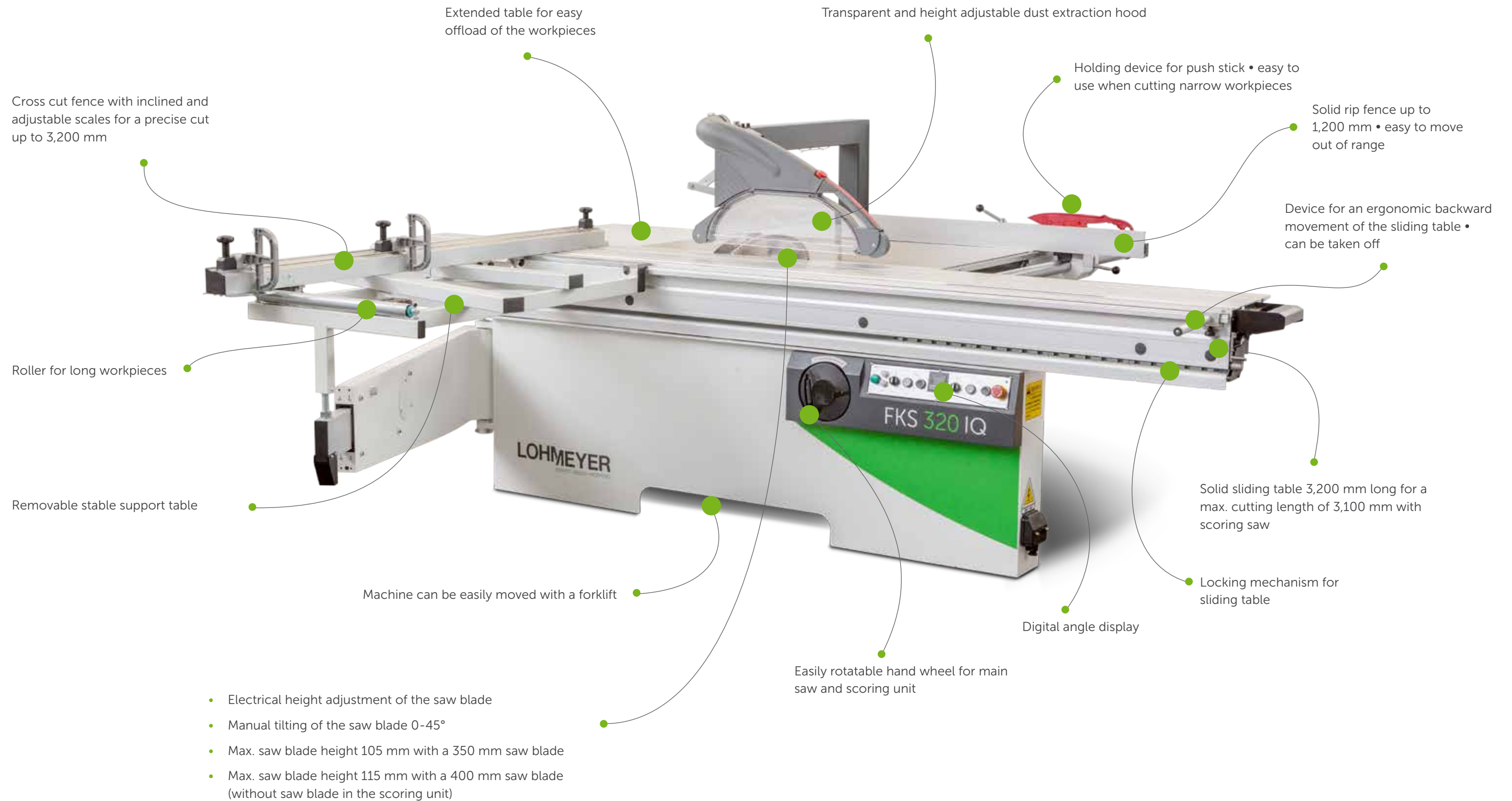
Lohmeyer Smart Wood Working stands for the value chain in panel processing. Cutting, edge banding, drilling and routing - these are our specialties. We want to support your success as an industrial manufacturer of panel materials and as a professional supplier with standardized best-practice machines paired with fast and reliable service. A team of specialists with many years of experience in panel processing is making this possible.

Our smart product lines of the 3, 5, 7 and 8 series combine proven quality with a price-performance ratio that is unmatched. This is possible because we intelligently combine different components. Experienced German and Chinese engineers consistently implement European technical standards in machine technology. The machines are produced in China in one of the most advanced production facilities for woodworking machines.

Our European service network guarantees the continuous availability of our machines and systems as well as technical support at any time.



The FKS 320 IQ - Great value at a low price



The FKS 355 IQ - Something a little more

Cross cut fence with inclined and adjustable scales for a precise cut up to 3,200 mm

Extended table for easy offload of the workpieces

Transparent and height adjustable dust extraction hood



Comfortable eye level controller terminal

Digital readout device for high repetitive accuracy

Holding device for push stick • easy to use when cutting narrow workpieces

Digital rip fence up to 1,305 mm • can be taken off

Roller for long workpieces

Removable stable support table

Machine can be easily moved with a forklift

Locking mechanism for sliding table

Solid sliding table 3,200 mm for a max. cutting length of 3,100 mm with scoring saw

Digital angle display

- Electrical height adjustment of the saw blade
- Electrical tilting of the saw blade 0-45°
- Max. saw blade height 105 mm with a 350 mm saw blade
- Max. saw blade height 115 mm with a 400 mm saw blade (without saw blade in the scoring unit)

Elegant & rigid: the sliding table



The sliding table - the heart of the sliding table saw

Precision, smooth running and long term reliability. These are the preconditions for economic success with your sliding table saw.

All operations start with a precise rip cut. The table of the FKS 3 IQ series slides smoothly and precisely – the guides are hardened round bars which carry the sliding table – a robust, proven design for constant satisfaction when operating the FKS 3 IQ series saws of Lohmeyer. Of course, the system is maintenance-free.

Quality and security

As a professional you know that the sliding table system guarantees the accuracy of the cross cuts, because the sliding table accommodates the cross cut fence.

If you are smart, you leave nothing on chance, but go for quality, precision and an engineering which secures constant satisfaction when operating the Lohmeyer FKS 3 IQ series sliding table saws.

The cutting size



• Cutting length of the sliding table

Table length FKS 320 IQ / FKS 355 IQ: 3,200 mm
This corresponds to the following cutting lengths:
3,100 mm with scoring saw
3,200 mm without scoring saw

• Cutting width of the rip fence

Max. cutting width FKS 320 IQ = 1,200 mm
Max. cutting width FKS 355 IQ = 1,305 mm

• Cutting length of the cross cut fence

1,900 mm to be read at the lower scale,
3,200 mm with telescopic device, to be read at the upper scale

A roller at the end of the cross cut fence supports the loading and unloading of instable workpieces.



FKS 320 IQ



FKS 355 IQ

The rip fence

One fence, four applications



- **Easy to adjust**

Move the fence easily. The hardened and polished round bar makes it possible.

- **Tilting**

Your workpieces are sometimes slightly larger? No problem. Simply rotate the fence just below the machine table level.

- **Flipping**

Narrow parts are cut easier and safer with a tilted ruler. After flipping it is only 10 mm high. When tilting the saw blade, there is enough space available.

- **Positioning**

Precise positioning by means of an integrated scale in the machine table

- **Adjustable length**

When workpieces of the same dimensions are cut from one panel – just pull the fence ruler back behind the saw blade and use the cross cut table. This is convenient, precise and will save a lot of time.



FKS 320 IQ



FKS 355 IQ

The rip fence

Electrically movable



Electrically movable rip fence

The electrically movable fence has an accuracy of $\pm 1/10$ mm. The ball screw spindle positioned in a dust-free housing is responsible for this task. Fast and reliable. The fence is removable for an easy cut of larger and wider workpieces of more than 1,305 mm. The safety area starts at 200 mm in front of the saw blade in order to prevent the automatic fence moving into the tilted saw blade. Below 200 mm the fence stops automatically and moves to the required position after a verification with the switch pressed down. This ensures that there will be no critical situation between the fence and the saw blade.



Fence adjustment $\pm 1/10$



✓ FKS 320 IQ

■ FKS 355 IQ

The cross cut fence



The **double roller carriage** accommodates the cross slide. A precise factory set up guarantees high accuracy of parallelism to the saw blade for many years.

Inclined **scales** make it easy to read the measurement. The gap-free folding units are easy to move.

The **fence ruler** is removable and can be positioned at the front or back side of the cross table.

The precise **cross fence** can be easily removed. Even without tools.



■ FKS 320 IQ

✓ FKS 355 IQ

The cross cut fence



The cross cut fence

The fence is equipped with a **digital readout** device for precise setting with high repetitive accuracy.

The cross cut fence with **telescopic extension** is designed for cuts up to 3,100 mm.

Correct reading is facilitated by the inclined **scales**. The buffers can be easily flipped.

The fence ruler can be positioned on the front and back side of the cross table.



✓ FKS 320 IQ

✓ FKS 355 IQ

The saw aggregate



Besides the slide table, the **saw aggregate** is another main element of the sliding table saw.

The design of the Lohmeyer sliding table saw guarantees a high degree of operational reliability and smooth running. This means for you: daily availability and exactly the precision you need for your customers in every-day woodworking.



Durable and reliable height adjustment

Dust-protected linear guides ensure durable and precise height adjustment.

Clean and safe working thanks to protective hood

A transparent and ergonomically designed **protective hood** for cuts with 90° saw blade and a separate protective hood for angular cuts ensure safety and reduce the operator's exposure to dust and chips by directly extracting the dust at the source of origin.



Durable and reliable angle adjustment

The angle adjustment system is located outside the contamination zone. Durability and operational reliability are thus ensured by the proven design. That is smart.



✓ FKS 320 IQ

✓ FKS 355 IQ

The base frame

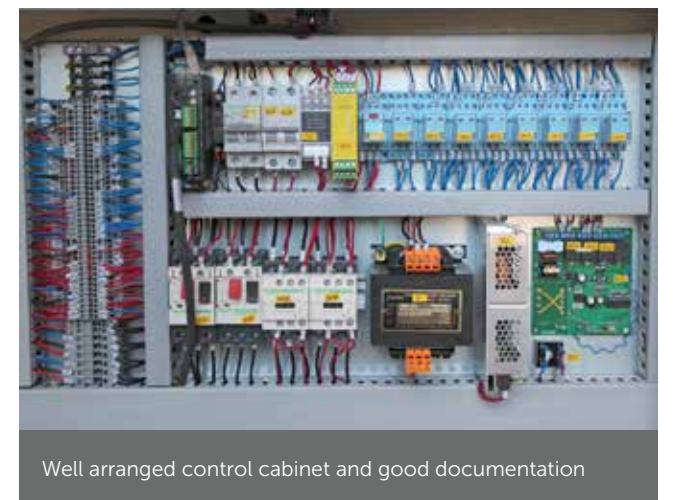


A solid basis is the foundation of success. This is particularly true for the core components the sliding table and the saw aggregate. Both units need a solid foundation – the **base frame**.

Manufactured with high-tech laser cutting machines it is a closed design and very rigid. This guarantees the smooth running and stability of the FKS 3 IQ series.



Central lubrication ensures maintenance-free availability over many years



Well arranged control cabinet and good documentation



FKS 320 IQ



FKS 355 IQ

The mitre fence

Single sided and double sided version



Single sided mitre fence

The mitre fence enables the operator to cut narrow and wide pieces precisely. It is easy to adjust and mounted on the sliding table without tools in a few simple steps. The cross cut fence table can be put underneath the mitre fence to support longer and thinner workpieces.

The adjustable handle at the sliding table permits ergonomic and user-friendly operation.



Double sided mitre fence

The compact design and the light weight of only 12 kg is convincing right away. The registered design of the splitting wedge makes it easy to cut off market pieces and reduces chip outs. Due to the included wall mounting unit the double sided mitre fence may be positioned at the wall.

Safe repeatability

A scale with its magnifier support the length and angle positioning. The length of the scale is 1,375 mm. The gap free stop system allows repeatability. For often used angles (5°, 10°, 15°, 22.5°, 30°, 45°, 50°, 60°, 67.5°) a length compensation is available.

Exact display variants

The length and angle position is adjusted through the scale and the digital readout. The accuracy of the digital readout is 0.01°, for length positioning 0.1 mm. Four angles including the specific length compensation can be memorized.

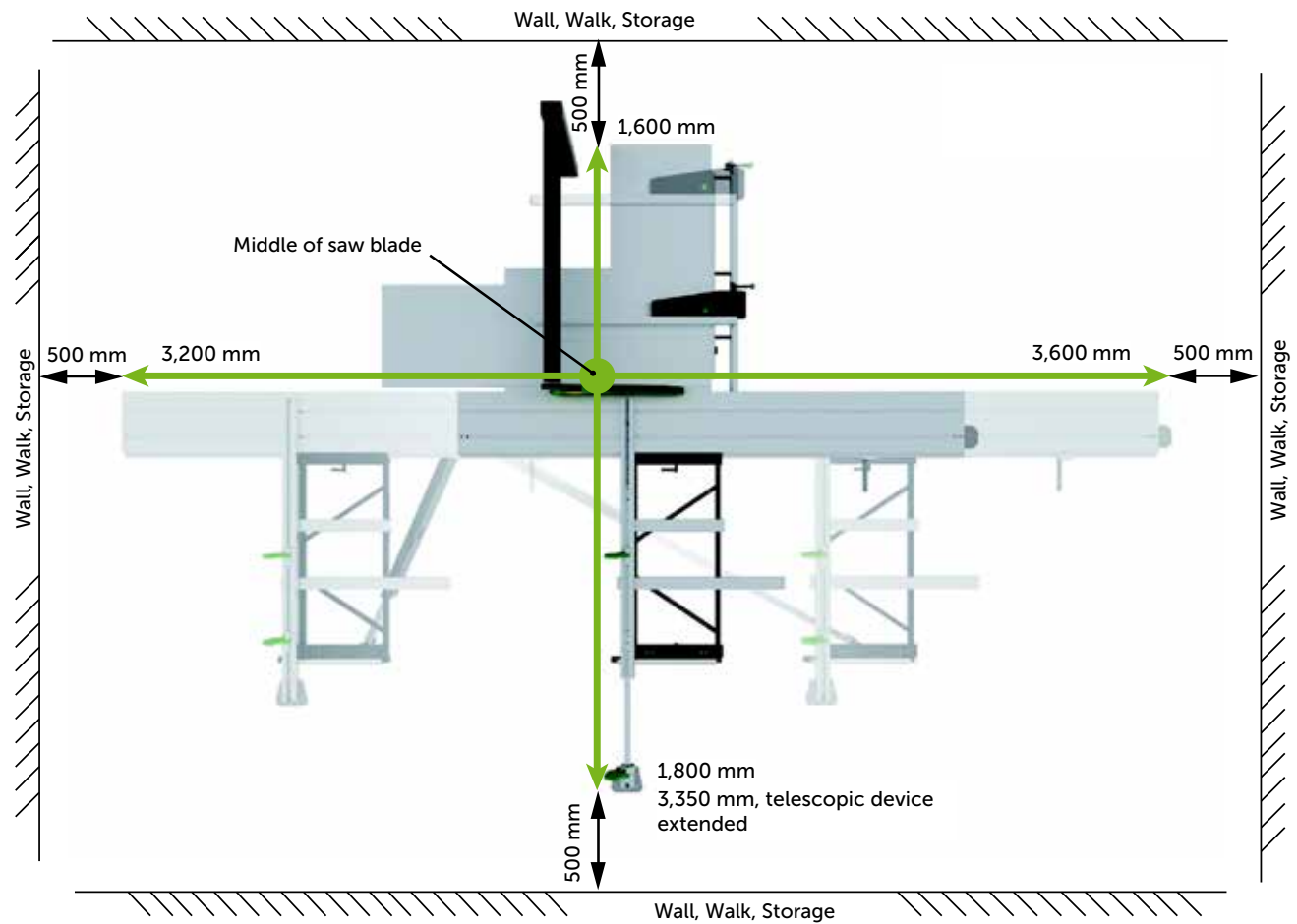


FKS 320 IQ



FKS 355 IQ

The space requirement



The space requirement for the machine including the traverse of the sliding table is approx. 6,800 mm x 3,400 mm for both FKS 320 IQ and FKS 355 IQ.

For placing and removing bulky workpieces enough free space between the machine and adjoining equipment or buildings needs to be considered. Further room is to be provided for depositing workpieces and residual pieces.

The FKS 3 IQ series

Facts & figures in a nut shell

			
FKS 320 IQ		FKS 355 IQ	
Main saw	Saw blade diameter	max. 350 mm / without scoring 400 mm	
	Saw blade height	max. 105 mm / without scoring 115 mm	
	Saw blade height at 45°	max. 70 mm	
	Speed	5,200 / 3,800 RPM • manually adjustable	
	Motor	5,5 kW	
Scoring saw	Saw blade diameter	120 mm	
	Speed	9,000 RPM	
	Motor	1.1 kW	
	Adjustment	electrical height adjustment • manual side adjustment	
Sliding table length		3,200 mm	
Cutting length		3,100 mm / without scoring 3,200 mm	
Power supply		400 V • 50 Hz	
Saw aggregate	Angle adjustment	manually	electrically
	Height adjustment	electrically	electrically
Eye level controller terminal		-	✓
Single sided mitre fence		to slide on the sliding table	to slide on the sliding table
Cross cut fence		up to 3,200 mm	up to 3,200 mm
Rip fence		up to 1,200 mm	up to 1,305 mm electrically movable data input through eye level terminal
Layout		3,300 x 3,370 x 1,200 mm	3,300 x 3,430 x 1,670 mm

Wood IQ GmbH

Our service – just smart



For detailed information on the sliding table saws and other machines for cabinet manufacturing please refer to www.lohmeyer-iq.com

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