

FELDER®

K 500 S

THE SMALL SLIDING TABLE
PANEL SAW FROM FELDER



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K 500 S

the small sliding table panel saw from Felder



Solid wood



Panel material



K 500 S

- » Cutting length: 2500–3200 mm
- » X-Roll sliding table, 10 year guarantee
- » Rip capacity: 800–1250 mm
- » Cutting height: 140 mm

Do not be fooled by the inconspicuous exterior of the Felder K 500 S. The sliding table saw is a true power pack, despite its size. With the innovative, tilting saw blade unit and precision double guiding for precise angle and height adjustment, the K 500 S guarantees a new dimension of efficiency. The built-in, electrically operated scoring saw blade with a Ø of 120 mm makes cuts even through materials with sensitive surfaces a breeze. The powerful circular saw unit is located at the heart of the FELDER K 500 S along with a circular saw shaft that allows a saw blade of up to Ø 315 mm while using the scoring unit. A ten year guarantee on the "X-Roll" sliding table, highest manufacturing quality and strict Felder production standards make this sliding table panel saw reliable partner for many years to come.

Choosing Felder – a risk-free decision

- » The right machine for every budget
- » Complete reliability in professional use
- » Tailor made machine solutions
- » High quality cast iron machine table and aggregates
- » Innovative detail solutions derived from 65 years of experience - already included in the standard configuration
- » First class manufacturing and finishing standards
- » Intuitive application concepts
- » Modern, distinct design
- » Quality and precision from AUSTRIA
- » Powerful and efficient
- » Complete package: Comprehensive service support

The most important highlights at a glance



FELDER Highlight

Precision guiding system X-Roll

Since 1990, this linear guiding system, which has undergone continuous development, has proven its worth exclusively in machines from Felder. The high quality format sliding table guiding technology "X-Roll" comes with a 10 year Felder guarantee and offers amazing operating smoothness and is completely maintenance free. The 'x' design of the position of the roller bearings ensures that they move smoothly along hardened guides.



FELDER Highlight

Grooving work

Thanks to the removable circular saw flange and table insert, adjustable dado tools up to 19.5 mm can be used.



FELDER Highlight

"Easy-Glide" – 6-year guarantee!

The patented tilt segment 'Easy-Glide' fulfills the highest requirements in businesses and industries. A precise, forced guided, double suspension guarantees maximum load bearing, zero backlash tilting, and is absolutely maintenance free. A special, highly durable synthetic material situated in the guide of the tilting segment ensures extremely smooth movement and long-lasting precision. The tilting guide system, a synthetic material tried and tested in aerospace and lock construction, works without the requirement of lubrication and is totally resistant to dust. With a 6 year factory guarantee this Felder component offers reliability for many years to come.

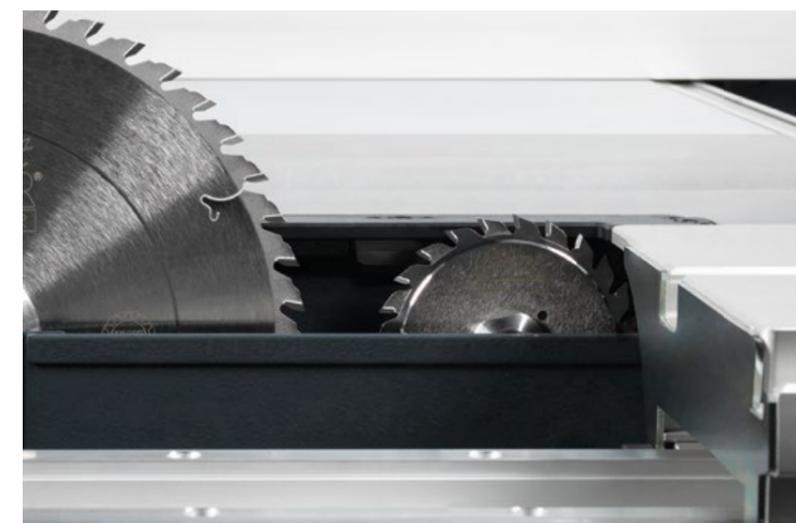
Details



The new circular saw unit:
Efficiency meets operating comfort
 The enhanced circular saw unit with the patented tilt segment "Easy-Glide" enables the combination of a main saw blade with a Ø from 250 mm to Ø 315 mm and a Ø 120 mm scoring unit.

Circular saw shaft

The electronically balanced, double-bearing saw arbor is driven via Poly-V belts. This combination results in an almost perfect transmission of power to the saw blade.



Scoring unit

Scoring saw blades are made up of two pieces and using a set of shims can be adjusted to the relevant thickness of the main saw blade. They feature square carbide teeth and positive hook. The direction of rotation of the scoring unit saw blade is the opposing direction to that of the main saw blade.

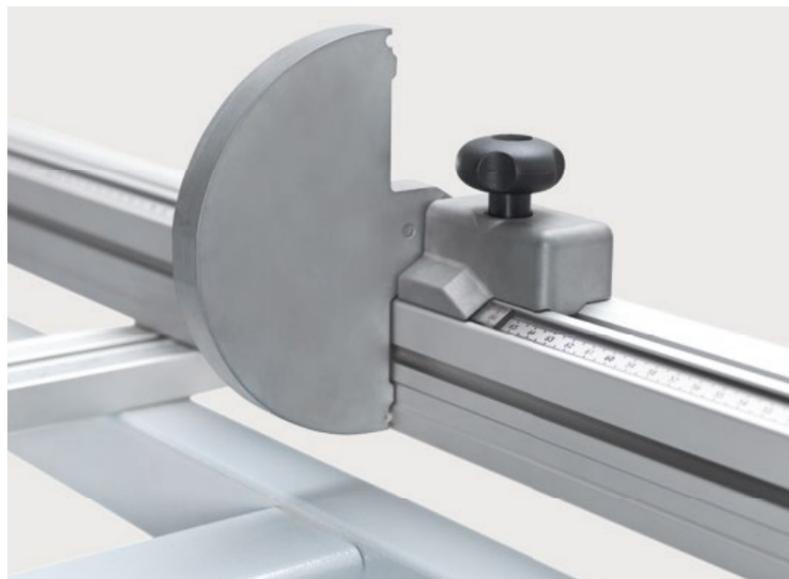


Outrigger table

The outrigger table makes it much easier to process large and heavy workpieces when using the sliding table. There are four ball bearing guide rollers in the outrigger telescopic arm for maximum precision and smoothness. The telescopic crosscut fence with coupling system and ergonomically designed scale or read-off optics on the stops guarantee precise adjusting and makes it possible to perform cross cuts up to 2600 mm. The crosscut fence can tilt from 90°-45° and comes standard with one fence stop. A fixed reference position is provided at 90°.

Stop scale

The beveled miter scale with hairline readout is visible from the operating area and thus allows exact reading of the required crosscut value.



Precision mitre index system

Accurate angle adjustments, efficient operation and calibration are all made possible by the precision mitre guide index system.



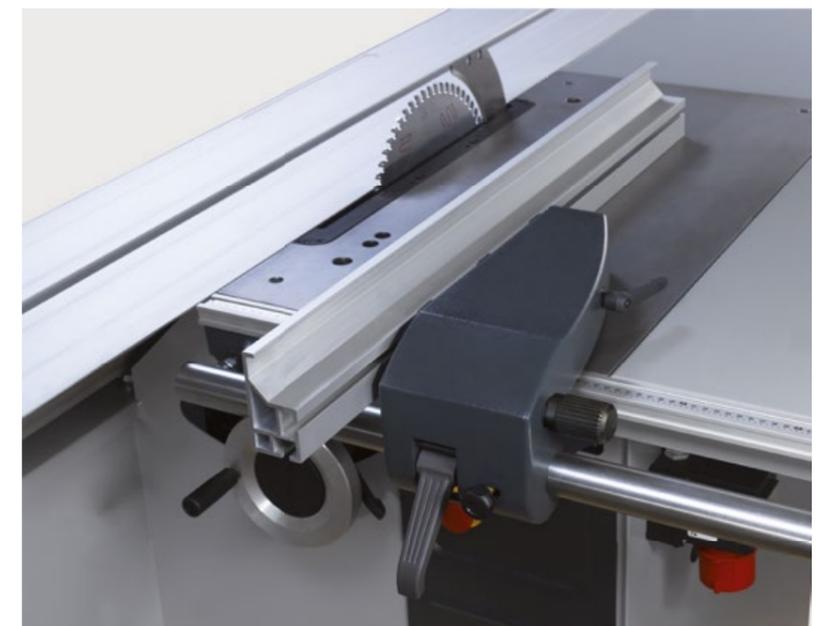
Crosscut fence

The 1300 mm crosscut fence for mitre cuts between +45° and -45° can be mounted directly onto the aluminium sliding table without the use of any tools. An end stop allows for quick and precise 90° degree cuts. The beveled miter scale with hairline readout is visible from the operating area and thus allows exact reading of the required crosscut value. "X-Roll" table extension with P-coupling



Outrigger table with floor support roller

- » For rip and formatting cuts of large panel material
- » Height adjustable floor rails, total length 4.5m – consists of 3 segments



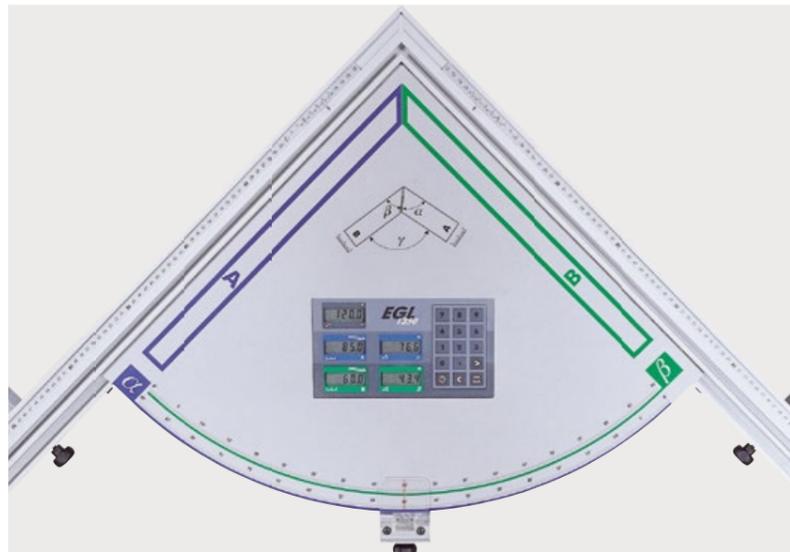
The rip fence

The rip fence is easily and smooth to adjust, with a single hand clamping mechanism. The optional fine adjustment makes precise measurements possible. A rip capacity of 800 mm is standard with the option of 1250 mm. The rip scale is easy to read and perfectly integrated into the machine table. The aluminium rip fence can be pushed further back to improve user comfort and safety when making repeat offcuts. Optional rip fence fine adjustment.



Pneumatic workpiece holder

- » Easy clamping of workpieces with maximum flexibility. Can be used on all panel saws and spindle moulders that are equipped with a sliding table.
- » Easy set up due to magnetic fittings
- » Safety cylinder ensures maximum working security
- » Pressure bar function is possible with every sliding table length
- » Clamping height 95 mm
- » Clamping force approx. 300 kg



EGL 1350

UNIQUE The patented Felder double cut miter gauge enables you to produce miter cuts of any angle for various workpiece widths! This is how easy it works: Type in the desired total angle and the workpiece widths A and B on the keyboard of the integrated computer – Read off the setting values $a + b$ and set the double mitre gauge! The crosscut fence stops on the fence guides can be adjusted up to 1350 mm using the scale. The vernier scales compensate for the length, allowing you to set and cut the exact required length.



Extractor hose mounting

The optimized extraction pipe guide guarantees that there is always enough space and a clean working surface.



The Felder overhead saw guard

Highest operating safety and maximum flexibility when processing large dimensioned workpieces: the new Felder overhead saw guard can be swung away easily and is always there for when it is required.

Technical specifications

Electrics		K 940 S
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	O
003	1x 230 V, 4.0 HP (3.0 kW)*	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	O
007	5.5 PS (4.0 kW)	S
008	5.5 HP (4.0 kW)	O
10	Star-delta start is necessary from 7.5 HP and 3x230V	O
28	Additional emergency stop	O

Saw and scoring unit		
23	Electrically driven scoring unit with 1 x 230 V; Ø-120 mm with main saw blade-Ø 315/350 mm (#003)	O
69	Saw blade tiltable 90°-45°, 140 mm maximum cutting height with a saw blade diameter of 315 mm, rotation speed of 4800 rpm	S
71	Scale for sawblade angle on the handwheel	O
75	Electrically driven scoring unit Ø 120 mm with main saw blade Ø 315/350 mm	O
76	Cutting width 800 mm with full table length, min. transport width 800 mm	S
77	Cutting width 1250 mm, min. transport width 800 mm	O
80	EURO II standard saw guard	S
81	Overhead saw guard for 800/1250 mm cutting width, can be swung away from the working area;	O
82	Dado capability for tooling up to ¾" (19.5 mm) width	O
84	Fine adjustment of the rip fence	
91	Extraction pipe guide for cutting width 800/1250 mm	O

Sliding Tables		
133	Format sliding table, cutting length 2500 mm, anodised**, edging shoe	S
134	X Format sliding table, cutting length 2800 mm, anodised**, edging shoe	O
135	XL Format sliding table, cutting length 3200 mm, anodised**, edging shoe	O
136	Anodised sliding table	S

Outrigger table and longitudinal stops		K 940 S
161	1300 outrigger table, series 500	S
164	1300 mm crosscut fence for all sliding table lengths	O
164B	Scale for crosscut fence 2600 in inches	W
165	Telescopic extension for crosscut fence from 1100 mm to 2000 mm (#164)	O
166	Outrigger table crosscut fence 2600 mm, series 500 (#160/161)	S
167	Outrigger crosscut fence 3200 mm with 2 crosscut stops instead of 2600 mm	O
169	2600 mm outrigger crosscut fence, system "X-Roll"	O
170	Precision mitre guide INDEX system for outrigger crosscut fence	O

General		
-	Extraction connection-Ø in mm saw unit/saw guard (overhead)	120/50
-	Working height in mm	890
-	Weight kg (with standard configuration)	600
-	Min. transport width in mm	800

Transport		
221	Container transport preparation	O

Product range

Sliding Table Panel Saws	 <p>K 945 S K 740 S K 740 professional K 740 S x-motion</p>	 <p>K 700 S K 700 professional K 700 K 540 S K 500 S K 500 professional K 500</p>			
Shapers	 <p>F 900 M F 900 Z F 700 M F 700 Z F 500 MS F 500 M</p>	Saw-Shapers	 <p>KF 700 S professional KF 700 professional KF 700 KF 500 professional KF 500</p>		
Planers	 <p>AD 951 AD 941 AD 741 AD 531 A 951 L A 941 D 951 D 963</p>	Combination machines	 <p>CF 741 S professional CF 741 professional CF 741 CF 531 professional CF 531</p>		
Bandsaws	 <p>FB 940 RS FB 740 RS FB 940 S/SW FB 740 S/SW FB 940/840 FB 740/640 FB 710 FB 610 FB 510</p>	Dowel Boring Machine, Drilling Machine and Horizontal Mortiser	 <p>FD 29 professional FD 21 professional FD 250</p>	Heated Veneer Presses	 <p>MVP 31.14 flex</p>
Wide Belt Sanding Machines	 <p>FW 1352 perform FW 1352 classic FW 1102 perform FW 1102 classic FW 950 classic FW 850 classic</p>	Brushing Machine	 <p>structura 60.02 structura 40.02</p>	Belt and Edge Sanders	 <p>FS 722 FS 900 KF FS 900 K FS 700 K</p>
Edgebanders	 <p>G 580/G 560 classic G 383 G 363/R G 330 G 263</p>	 <p>G 220 ForKa 300 S eco</p>	Vertical panel saw	 <p>KV 925</p>	
Extraction Units & Briquetting Presses	 <p>RL 350/perform RL 300 RL 250 RL 200 RL 160 RL 140 RL 125</p>	 <p>AF 35 AF 30 AF 25 AF 22-D200 AF 22 Stationary/Mobile/Stand AF 16 AF 14 AF 12 FBP 50/60/70</p>			

FELDER®

Felder Quality and precision in a nutshell

Since 1956, a guarantee for perfect results with excellent ease of use and reliability in regular professional use. Woodworkers are always enthusiastic about the individual and solid solutions for small and mid-sized businesses.

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