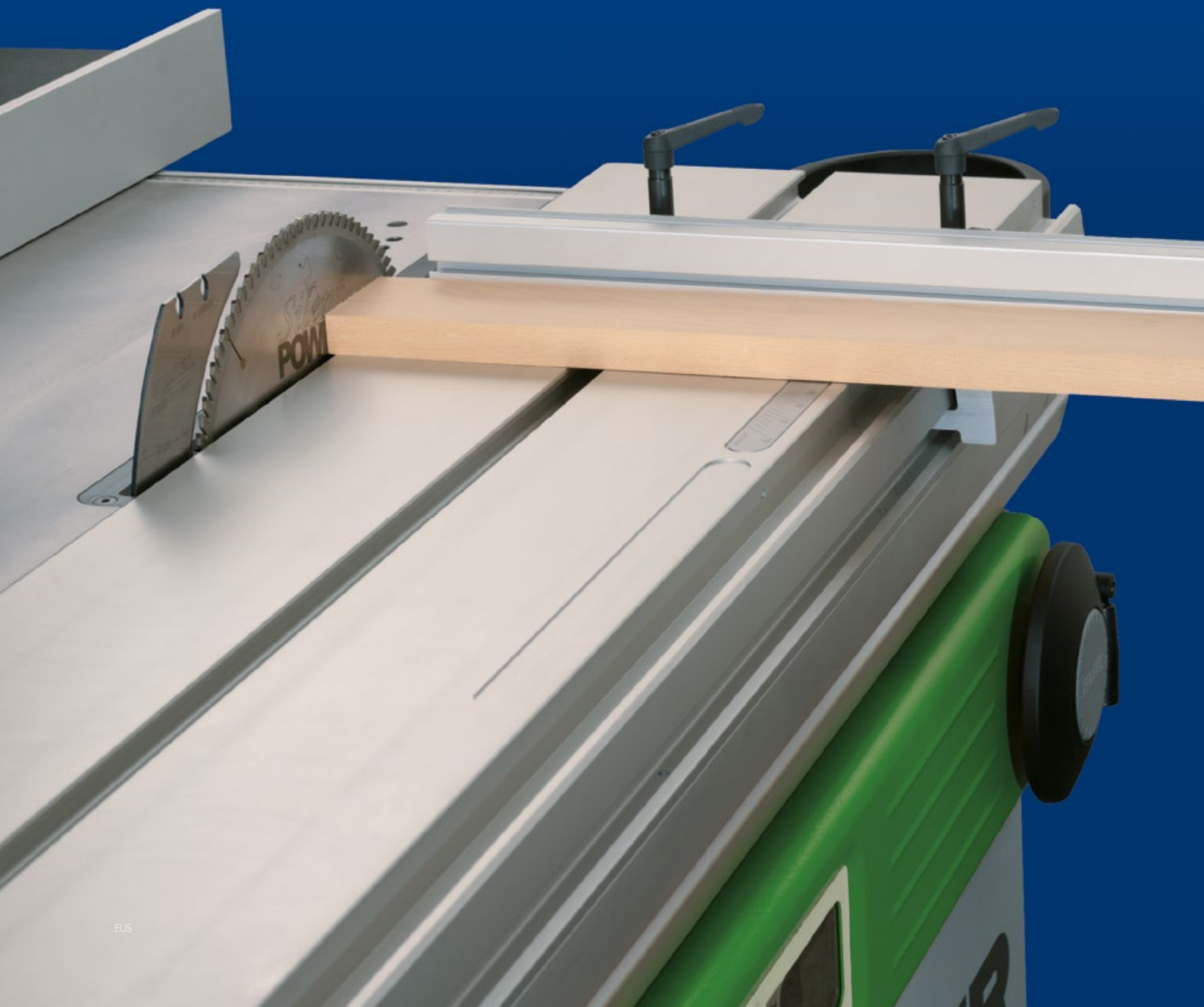


FELDER®

KF 500

RELIABILITY, DURABILITY,
EXCELLENT RESULTS



FELDER®



KF 500

Reliability, durability and excellent results



Solid wood



Panel material



The Felder KF 500 is a great value saw spindle shaper for professional woodworking. The tiltable saw blade, the precise professional fence and the patented aluminum format sliding table "X-Roll" with a 10 year factory guarantee as well as the proven 500 spindle shaper unit, ensures reliability, stability and excellent results. With the 80 ⁴⁵/₆₄" sliding table and 43 ⁵/₁₆" outrigger table included in the professional package, the KF 500 can count itself as part of the industry range.

Variations

Models & Your Advantages



KF 500

- » Cutting length: 39 ³/₈ - 80 ⁴⁵/₆₄"
- » Rip capacity: 31 ¹/₂ - 49 ⁷/₃₂"
- » Cutting height 4 ¹/₆₄"
- » Table opening 7 ³/₃₂"
- » Spindle shaper fence for tools Ø max. 8 ²¹/₃₂"
- » MF spindle shaft quick-change system (optional)



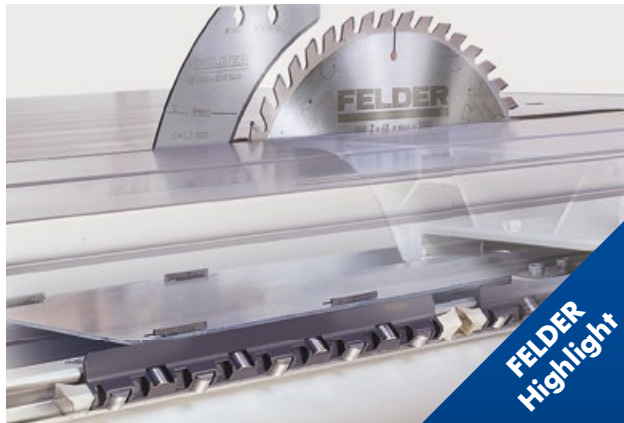
KF 500 professional

- » Cutting length 80 ⁴⁵/₆₄"
- » Rip capacity: 31 ¹/₂ - 49 ⁷/₃₂"
- » Cutting height 4 ¹/₆₄"
- » Table opening 7 ³/₃₂"
- » Spindle fence for tool Ø max. 9 ¹/₁₆"
- » MF spindle shaft quick-change system (optional)

... Your decision for Felder, a risk-free decision

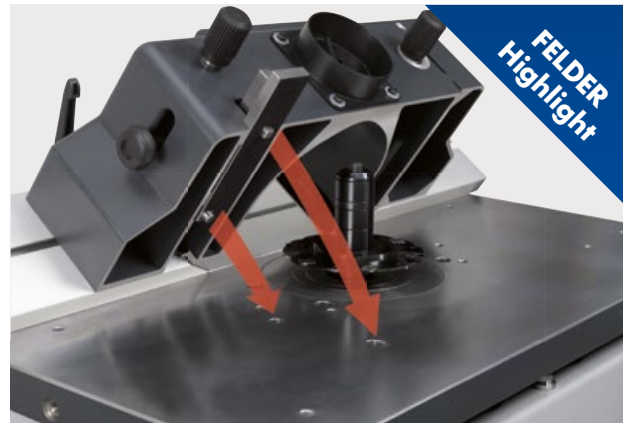
- » The right machine for every budget
- » Complete reliability in professional use
- » Tailor made machine solutions
- » High quality cast iron machine table and aggregates
- » Innovative detail solutions derived from 65 years of experience – already included in the standard configuration
- » First 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



X-Roll – precision guiding system

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.



The MULTI-fine adjustment system

Additional to the parallel guiding of the spindle fence the MULTI-adjustment system also enables

- » The quick adjustment to the tool diameter
- » Automatic repeat setting after removal of your fence
- » Parallel adjustments of the shaper fence
- » Quick and accurate adjustment
- » Measurement scale for depth of cut



MF Spindle shaft quick change system

Without losing any settings, just a few turns of your hand allows you to swap spindles of varying diameters.

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Details



The Felder Saw Unit „500“

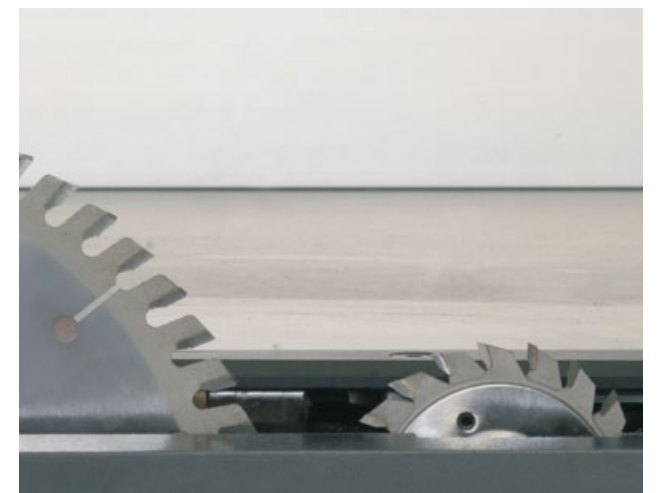
Stable and compact circular saw unit for long-lasting satisfaction

- » Cutting height 4 1/64" at a saw blade diameter of 12 13/32"
- » Double-sided support
- » Smooth tilting action 0°–45°
- » Support close to the saw blade on both sides



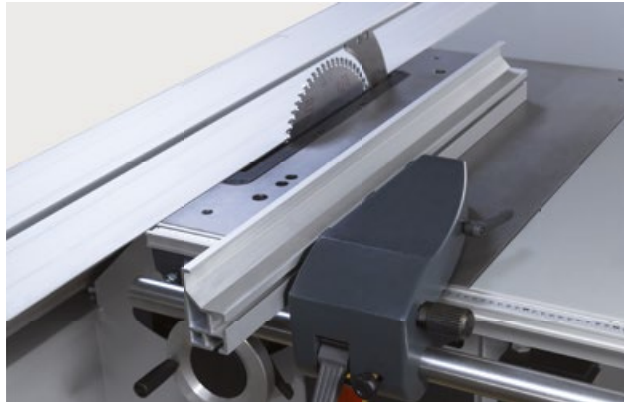
Grooving work

Felder-Series-500-saw units also allow you to carry out grooving work. Thanks to the removable circular saw flange and detachable table insert, you can use adjustable dado tools specially developed by Felder.



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.



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 $31\frac{1}{2}$ " is standard with the option of $49\frac{7}{32}$ ". The rip scale is easy to read and perfectly integrated into the machine table. The aluminum rip fence can be pushed further back to improve user comfort and safety when making repeat offcuts. Optional rip fence fine adjustment.



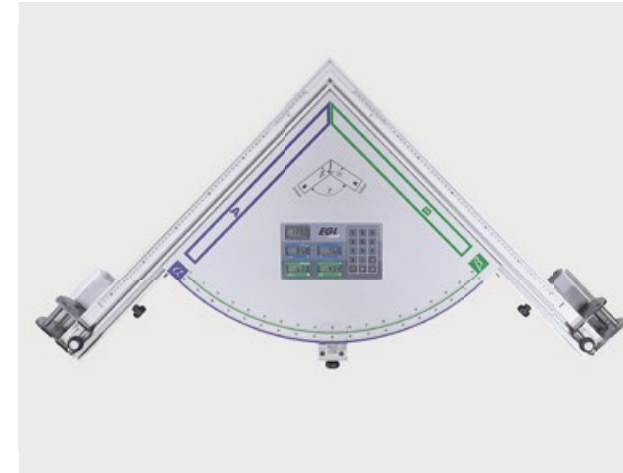
Crosscut fence

The $51\frac{3}{16}$ " crosscut fence for mitre cuts between $+45^\circ$ and -45° can be mounted directly onto the aluminum sliding table without the use of any tools. An end stop allows for quick and precise 90° degree cuts. The beveled mitre 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

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 $102\frac{23}{64}$ ". The crosscut fence can tilt from 90° – 45° and comes standard with one fence stop. A fixed reference position is provided at 90° .



EGL 1350

Unique! The patented Felder double cut miter gauge enables you to produce mitre cuts of any angle for various workpiece widths! This is how easy it works: Type in the desired total angle α 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 $53\frac{5}{32}$ " using the scale. The vernier scales compensate for the length, allowing you to set and cut the exact required length.



Precision mitre index system

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

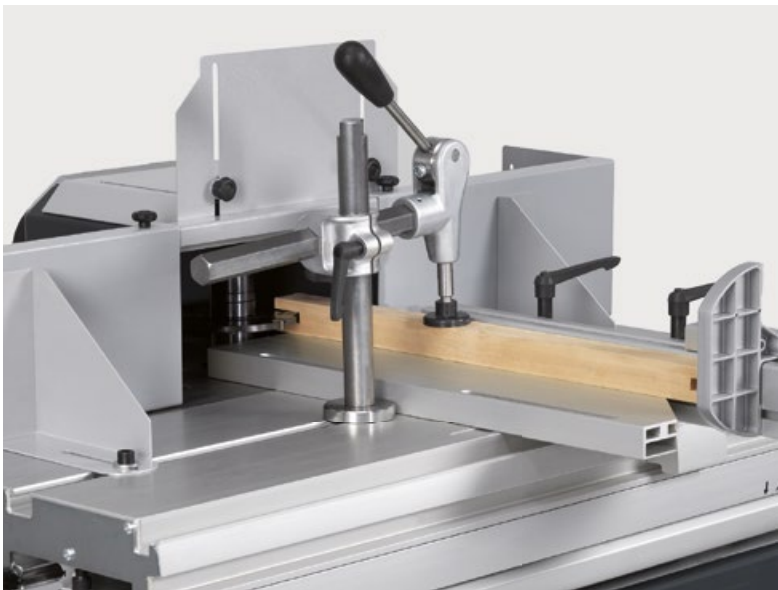


Pneumatic workpiece holder

- » Easy clamping of workpieces with maximum flexibility. Can be used on all panel saws and spindle shapers 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 $3\frac{47}{64}$ "
- » Clamping force approx. 661 lbs



Spindle shaper fence "220"
All Felder spindle moulders have a 90°–45° tilting spindle as standard. This increases the range of application of your Felder massively and also saves on tool costs. The entire shaper spindle unit can be tilted to the required angle easily and smoothly.



Slot and tenoning
Large dimensioned and designed with high use in mind, the slot and tenoning table "hovers" on the "X-Roll", a highly developed, state-of-the-art guiding technology. The X shape ("X-Roll") design of the rollers distributes the load optimally on all sides. The linear surface of the steel rollers running on the hardened and ground guiding surface guarantees unbeatable precision and smoothness. "X-Roll" will guarantee you the quality and precision that you expect from your new panel saw. Another reason to choose Felder: Ten year factory guarantee to underline the reliability of "X-Roll".

Spindle fence "230"
The fence is suitable for tools with a diameter up to max. Ø 230. The fine adjustment of the outfeed fence can be set between -5 to +25 mm. The extraction of the dust is done via the integrated extraction connection.



The MULTI-fine adjustment system
Professional equipment: spindle fence „240“ for max. tool Ø of 9 1/16", MULTI adjustment system for spindle fence „240“ for parallel alignment and quick adjustment.



Power feeder
The use of a power feeder ensures that standard work when moulding can be carried out cleanly and precisely.



Tilt Bracket
With the Felder tilt away device, the power feeder unit always remains on the machine and is available for use at any time without difficulty.



Safety Bar Guides
The safety bar guides, great for "end-grain" work (optional).



MF Spindle shaft quick change system
Without losing any settings, just a few turns of your hand allows you to swap spindles of varying diameters.



Spindle shaper unit «500»
Stable and compact spindle unit for long lasting precision
» 3 15/16" maximum above table operating height
» Table opening: 12 19/32"
» 4 rotation speeds 3.000, 6.000, 8.000, 10.000 rpm
» Smooth rearward tilt from 0° to 45°
» Height adjustment with cast iron segment

Technical specifications

Electrics		KF 500	KF 500 professional
001	3x 400 V motor voltage	S	S
002	3x 230 V motor voltage	○	○
003	1x 230 V, 4.0 HP (3.0 kW)	○	○
004	50 Hz motor frequency	S	S
005	60 Hz motor frequency	○	○
006	4.0 HP (3.0 kW)	S	S
007	5.5 PS (4.0 kW)	○	○
11	Switch for forward and reverse run	S	S
28	Additional emergency stop	○	○

Saw and scoring unit			
70	Saw blade tiltable 90°–45° (max. cutting height 4 1/64")	S	S
74	Scoring unit mechanically driven, Ø 80 mm with main saw blade Ø 9 27/32"	○	○
76	Cutting width 31 1/2" with full table length, min. transport width 31 1/2"	○	○
77	Cutting width 49 7/32", min. transport width 31 1/2"	○	○
78	Cutting width 31 1/2", min. transport width 31 1/2"	S	S
80	EURO II standard saw guard	S	S
82	Dado capability for tooling up to 3/4" (19.5 mm) width	○	○
84	Fine adjustment of the rip fence	○	○

Spindle shaper unit and spindle fence			
100	Shaper spindle -Ø 30 mm, 3 15/16" useable height 3 15/16" maximum above table operating height	S	S
101	MF spindle system – Changeable Ø 30 mm spindle shaft, 3 15/16" useable height	○	○
102	MF spindle system – Changeable Ø 32 mm spindle shaft, 3 15/16" useable height	○	○
103	MF spindle system – Changeable Ø 35 mm spindle shaft, 3 15/16" useable height	○	○
104	MF spindle system – Changeable Ø 1 1/4" spindle shaft, 3 15/16" useable height	○	○
105	MF spindle system – Changeable Ø 50 mm spindle shaft, 3 15/16" useable height	○	○
108	MF spindle system – Changeable spindle shaft with collet chuck	○	○
109	Spindle shaper tiltable 90°–45° (with scale display, speed 3.000/6.000/8.000/10.000 rpm)	S	S
112	Spindle shaper fence 230 for max. tooling diameter 9 1/16" (15 3/4" fence plates)	○	S
113	MULTI-fine adjustment system for the spindle shaper fence "230" (#112)	○	S
116	Anodised aluminum fence plates	S	S
117	Spindle fence plates anodised with "safety bar guides" (#112)	○	○
123	EURO spindle shaper guard	S	S
-	Spindle shaper fence 220 for max. tooling diameter 8 21/32", (320 mm fence plates)	S	
-	Table opening in mm	180	180

Format sliding table, slot and tenoning table		KF 500	KF 500 professional
130	Format sliding table K, cutting length 39 3/8"	S	
131	Format sliding table M, cutting length 39 3/8"	○	
132	Format sliding table M, cutting length 80 45/64"	○	S
136	Anodised sliding table	○	S
141	Format sliding table M, cutting length 80 45/64"	○	

Outrigger table and longitudinal stops			
160	1.100 outrigger table, series 500	○	S
161	1.300 outrigger table, series 500	○	○
164	1.300 mm crosscut fence for all sliding table lengths	S	○
165	Telescopic extension for crosscut fence from 39 3/8" to 80 45/64" (#164)	○	○
166	Outrigger table crosscut fence 102 23/64", series 500 (#160/161)	○	S
168	Outrigger crosscut fence 102 23/64", 500 Series instead of 39 3/8" crosscut fence (#160/161)	○	
170	Precision mitre guide INDEX system for outrigger crosscut fence	○	○

General			
-	Extraction connection Ø in mm spindle fence	120	120
-	Extraction connection-Ø in mm saw unit/saw guard (overhead)	120/50	120/50
-	Working height in mm	890	890
-	Weight kg (with standard configuration)	410	480
-	Min. transport width in mm	800	800

Important accessories			
210	Rolling carriage	○	○
212	Power feeder tilt-away device	○	○
223	IPPC palette	○	○

Transport			
221	Container transport preparation	○	○

Product range

Sliding Table Panel Saws



Shapers



Saw-Shapers



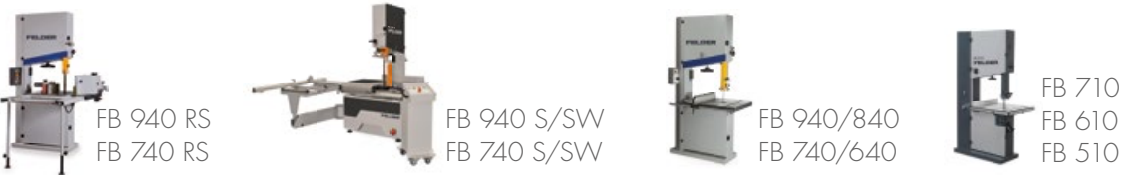
Planers



Combination machines



Bandsaws



Dowel Boring Machine, Drilling Machine and Horizontal Mortiser



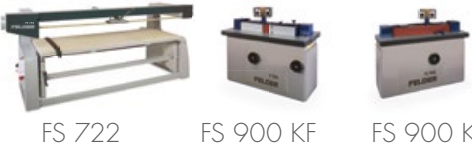
Wide Belt Sanding Machines



Brushing Machine



Belt and Edge Sanders



Edgebanders



ForKa 300 S eco



Extraction Units & Briquetting Presses



FBP 50/60/70





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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