

FELDER®

KF 700

TWO PROFESSIONAL MACHINES
IN ONE COMBINATION



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KF 700

Two professional machines
in one combination



Solid wood



Panel material



Panel saw and tilting spindle-shaper – with the KF 700 spindle-shaper Felder has combined two top quality professional woodworking machines forming an unbeatable combination. Innovative detail solutions, tried and tested Felder technology and perfect components for perfect woodworking. Individual equipment, shortest changeover times and precise repeatability are convincing features for workshops, commerce and industry.

The F 700, F 700 Professional models, with sliding table lengths of $51 \frac{3}{16}$ " , $61 \frac{1}{32}$ " , $80 \frac{45}{64}$ " or $98 \frac{27}{64}$ " as well as $43 \frac{5}{16}$ " and $51 \frac{3}{16}$ " outrigger tables, offer sufficient space for easy in-feed and comfortable processing of large-format workpieces. For the highest requirements and maximum working areas, the K 700 S Professional offers optional format sliding tables with $98 \frac{27}{64}$ " or $110 \frac{15}{64}$ " and $125 \frac{63}{64}$ " as well as an outrigger table up to $59 \frac{1}{16}$ ".

The optional „Power-Drive“ control for the most precise setting and repeatability ensures premium-class operating comfort. Height and angle measurements of the saw blade and the spindle with tenths of a millimeter accuracy can be set quickly and checked in real time on the easy-to-read LED display.

Variations

Models & Your Advantages



KF 700

- » Cutting length: $51 \frac{3}{16}$ - $98 \frac{27}{64}$ "
- » Rip capacity: $31 \frac{1}{2}$ - $49 \frac{7}{32}$ "
- » Cutting height: $5 \frac{33}{64}$ "
- » Table opening: $9 \frac{1}{16}$ "
- » Spindle fence for tool
Ø max. $9 \frac{1}{16}$ "
- » Quick-change system of the shaper spindle, standard



KF 700 professional

- » Cutting length: $80 \frac{45}{64}$ - $98 \frac{27}{64}$ "
- » Rip capacity: $31 \frac{1}{2}$ - $47 \frac{1}{4}$ "
- » Cutting height: $5 \frac{33}{64}$ "
- » Table opening: $9 \frac{1}{16}$ "
- » Spindle fence for tool
Ø max. $9 \frac{1}{16}$ "
- » Quick-change system of the shaper spindle, standard



KF 700 S professional

- » Cutting length: $98 \frac{27}{64}$ - $125 \frac{63}{64}$ "
- » Rip capacity: $31 \frac{1}{2}$ " - $49 \frac{7}{32}$ "
- » Cutting height: $5 \frac{33}{64}$ "
- » Table opening: $9 \frac{1}{16}$ "
- » Spindle fence for tool
Ø max. $9 \frac{1}{16}$ "
- » Quick-change system of the shaper spindle, standard

... 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.



Quick-change system for shaper spindle

- » Quick, easy change between different types of spindles
- » Ability to use 30, 32, 35, 40, 50 mm and 1 1/4", diameter spindles
- » Use of the Felder high speed router spindle for router bits or high speed tools at 15,000 rpm.
- » Automatic repeatable setting for shaper production work



„Power-Drive“ (saw blade)

Similarly, the saw blade height and angle settings can be set to an accuracy of a tenth of a millimeter. For fine tuning there is also a push button and a clear LED display screen to show you the actual current value.



Power-Drive (shaper spindle)

The fully electrical "Power-Drive" control offers exact adjustment and repeat accuracy. The saw blade height and the angle settings can be adjusted at the turn of a knob, the fine setting adjustments are carried out to tenth of a millimeter accuracy using a push button. Red LED digits display the current position in real time on the control panel.

Details



"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.

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

- 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





Spindle shaper unit «700»

The Felder 700 Series spindle aggregate sets standards that are unparalleled.

- » 4 17/32" useable spindle height above the table (140/160 mm)
- » Quick-change system for shaper spindle
- » Change the speed simply from the front of the machine
- » Collet chuck spindle for router tools with a speed of 15,000 rpm
- » Electrical height adjustment with digital LED display
- » Electrical angle adjustment with digital LED display
- » 4 rotating speeds 3,500, 6,500, 8,000, 10,000 rpm
- » Rearward tilt 0° to 45°
- » Precise double trunnion system
- » Dovetail guidance system of the height adjustment
- » Excellent vibration absorption from heavy cast iron unit



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".



Safety Bar Guides

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



Shaper-Spindle tilt 90°-45°

The Felder rearward tilting Spindle is the correct way for easy and safe operation:

- » Working safely
- » Suitable for any workpiece size
- » Problem-free power feeder application
- » Impeccable workpiece finish
- » Optimal chip removal



Table opening 9 1/16"

The large spindle table opening offers you maximum working safety: Large dimensioned panel raising tools as well as slot and tenoning tooling can be used below the table surface.



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.



The Felder Saw Unit „104“

Manufactured entirely from cast iron, the new Felder "104" saw unit fulfils the highest demands of modern woodworking.

- » 4 3/32" cutting height with a 12 13/32" saw blade diameter
- » Electronic height adjustment of the saw blade ("Power-Drive" K1)
- » Electrical height and angle adjustment of the saw unit with LED display ("Power-Drive" K2)
- » Precise height adjustment via precision linear guides
- » Optimal dust extraction with the completely enclosed, below table extraction system
- » large scale, double ball bearing saw arbour



Scoring unit

For chip free cuts in laminated panels. The saw blade can be mechanically or electrically driven and can be adjusted in both height and lateral position.



Grooving work

Felder -Series -700- 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.



Remote ON switch on sliding table

On request, we can equip your "700" with start buttons for the main and scoring blades located directly on the sliding table – How about that for convenience!



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.



Outrigger table

The solid outrigger table makes it possible to process large and heavy workpieces. Eight ball bearing guide rollers in the outrigger telescopic arm ensure maximum precision and smoothness. For customised perfection in woodworking, you can optionally equip your Felder saw with a 43 5/16" Felder outrigger or 51 3/16" professional edition. 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 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°. If desired, a workpiece roller can be mounted at the end of outrigger.

Mitre guide index system

No time wasted trying to find the correct angle and one hundred percent precision in adjustment and positioning, without any reading errors, are just some of the advantages of the precision mitre index system. Highly precise index points enable the exact production of polygons such as e.g. 5.625° (32 sides), 11.25° (16 sides), 22.5° (8 sides). Additional index points at 15°, 20°, 25°, 30°, 35°, 40° and 45° can be used when the crosscut fence is both at the front and at the back of the outrigger. Every index position is provided with length compensation. The highly precise Felder mitre index system is adjusted at the factory and every index position can also be individually fine adjusted. The index system integrates itself well into the machine design and will increase your productivity for an amazingly low investment amount.



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



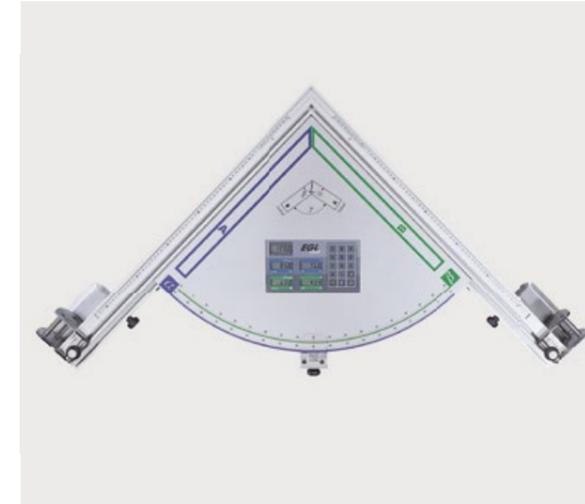
Crosscut fence

The 102 ²³/₆₄" crosscut fence for angled cuts between +45° 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 miter scale with hairline readout is visible from the operating area and thus allows exact reading of the required crosscut value. The large crosscut fence stops are constructed in such a way that a small tongue on the stop fits perfectly into a groove on the fence. This keeps the stop firmly in place for both straight and tight angle mitred cuts.



Rip fence

A rip capacity of 31 ¹/₂" is standard with the option of 49 ⁷/₃₂". The rip fence is easily and smoothly adjustable, with a one-hand clamping mechanism. The fine adjustment mechanism allows for precise measurements. 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. When working with narrow and thin cuts of wood with the saw blade at an angle, the aluminum rip fence can be placed face down.



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 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 ⁵/₃₂" using the scale. The vernier scales compensate for the length, allowing you to set and cut the exact required length.



Table extension

If required: Adapt the working surface to the workpiece. Since 1969, the Felder table extension system has proven itself countless times. In just a few seconds and without tools you can increase the support length of your machine by up to 78 ⁴⁷/₆₄".



Table Extension

Aluminum table extension with p-coupling single lever clamping system for quick and easy assembly without tools.



Crosscut stop

Optional: Digital crosscut fence stops with settings to an accuracy to a tenth of a millimeter.



Electronic digital display

The rip fence can be equipped with an electronic digital display. The perfect integration of the whole electric unit makes it possible for you to rotate the display by 90°, and as such the settings can be read from the operator side in every rip fence position. Additional functions such as the use of incremental cuts also help to make day to day work easier.



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 3 ⁴⁷/₆₄"
- » Clamping force approx. 661 lbs

Technical specifications

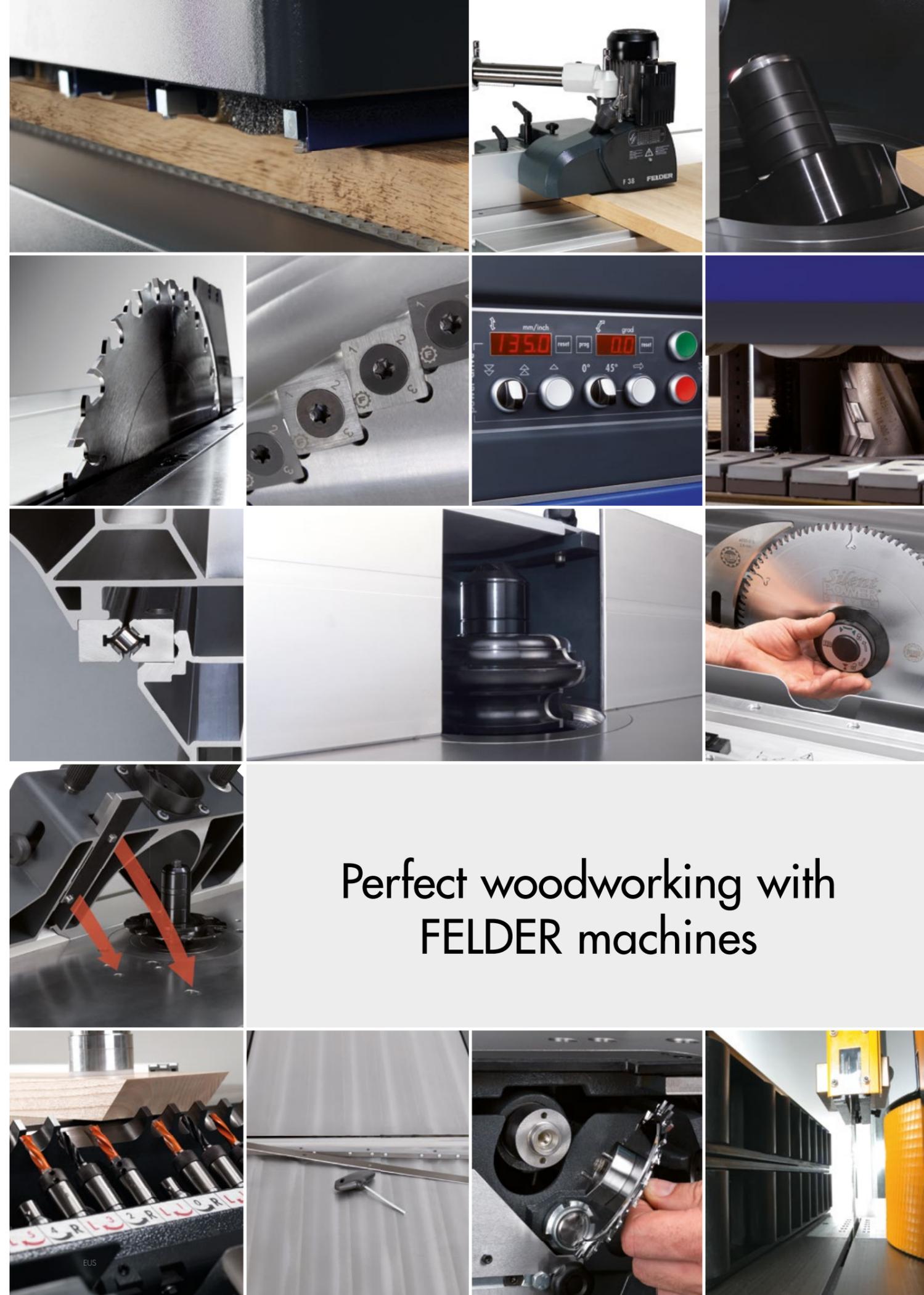
Electrics	KF 700	KF 700 professional	KF 700 S professional
001 3x 400 V motor voltage	S	S	S
002 3x 230 V motor voltage	W	W	W
003 1x 230 V, 4.0 HP (3.0 kW)	O	O	O
004 50 Hz motor frequency	S	S	S
005 60 Hz motor frequency	W	W	W
006 4.0 HP (3.0 kW)	S	S	
007 5.5 PS (4.0 kW)	O	O	S
008 5.5 HP (4.0 kW)	O	O	O
009 10.0 PS (7.35 kW)	O	O	O
10 Star-delta start is necessary from 7.5 HP and 3x230V	O	O	O
11 Switch for forward and reverse run	S	S	S
12 Switch contact for the control of an extractor	O	O	O
14 3-phase CEE coupling for additional equipment with time-delayed connection (essential for the use of a power feeder)	O	O	O

Saw and scoring unit	KF 700	KF 700 professional	KF 700 S professional
201 Electrical height and angle adjustment of the circular saw with a digital LED display (#119)	O	O	O
23 Electrically driven scoring unit with 1 x 230 V; Ø 3 15/16" with a Main circular saw blade-Ø 11 13/16" (#003)	O	O	O
69 Saw blade tiltable 90°-45°, 5 33/64" maximum cutting height with a saw blade diameter of 12 13/32", rotation speed of 4.800 rpm	S	S	S
71 Scale for sawblade angle on the handwheel	O	O	O
74 Scoring unit mechanically driven, Ø 3 15/16" with main circular saw blade Ø 11 13/16"	O	O	O
75 Scoring unit electrically driven, Ø 3 15/16" with main circular saw blade Ø 11 13/16"	O	O	O
76 Cutting width 31 1/2" with full table length, min. transport width 31 1/2"	O	O	S
77 Cutting width 47 1/4", min. transport width 31 1/2"	O	O	O
78 Cutting width 31 1/2", min. transport width 31 1/2"	S	S	
80 EURO II standard saw guard	S	S	S
81 Overhead saw guard for 31 1/2" / 47 1/4" cutting width, can be swung away from the working area	O	O	O
82 Dado capability for tooling up to 3/4" (19.5 mm) width	O	O	O
84 Fine adjustment of the rip fence	O	O	O
85 Electronic digital display on the circular saw fence including fine adjustment (I77)	O	O	O
86 Electronic digital display on the circular saw fence including fine adjustment (I77)	O	O	O
91 Extraction pipe guide for cutting width 31 1/2" / 47 1/4"	O	O	O

Spindle moulder unit and spindle fence	KF 700	KF 700 professional	KF 700 S professional
100 30 mm diameter spindle, 5 33/64" useable spindle height above the table	O	O	O
101 40 mm Ø shaper spindle, 6 19/64" useable height above the table	O	O	O
102 50 mm Ø shaper spindle, 6 19/64" useable height above the table	O	O	O
103 30 mm Ø spindle, 4 17/32" useable spindle height above the table	S	S	S
104 50 mm Ø shaperspindle, 4 17/32" useable height above the table	O	O	O
105 1 1/4", Ø shaper spindle, 4 17/32" useable height above the table	O	O	O
106 35 mm Ø shaper spindle, 4 17/32" useable height above the table	O	O	O
107 32 mm Ø shaper spindle, 4 17/32" useable height above the table	O	O	O
108 Highspeed router spindle 15,000 rpm instead of a 30 mm Ø shaper spindle	O	O	O
109 Manual shaper spindle tilt 90° – 45°	S	S	S
110 Scale for tilting shaper spindle on the handwheel (I119)	O	O	O
112 Spindle shaper fence 230 for max. tooling diameter 230 mm (400 mm fence plates)	S	S	S
113 MULTI-fine adjustment system for the spindle shaper fence "230" (#112)	O	O	O
115 Aluminum fence plates	S		
116 Anodised aluminum fence plates	O	S	S
117 Anodised aluminum fence plates and safety bar guides (#112)	O	O	O
118 Electrical height adjustment with digital LED display ("Power-Drive" F1) (#110)	O	O	O
119 Electrical height and angle adjustment of the spindle moulder with LED display (#201)	O	O	O
123 EURO spindle shaper guard	S	S	S
125 Safety fence plates "Integral"	O	O	O
- Table opening in mm	230	230	230

Format sliding table, slot and tenoning table	KF 700	KF 700 professional	KF 700 S professional
131 Format sliding table M, cutting length 51 3/16"	S		
132 Format sliding table M, cutting length 80 45/64"	O	S	
133 Format sliding table, cutting length 98 27/64", anodised, edging shoe	O	O	S
134 X Format sliding table, cutting length 110 15/64", anodised, edging shoe			O
135 XL Format sliding table, cutting length 125 63/64", anodised, edging shoe			O
136 Anodised sliding table	O	S	S
139 On and off switch on the sliding table	O	O	O
141 Format sliding table M, cutting length 61 1/32"	O		

	KF 700	KF 700 professional	KF 700 S professional
Outrigger table and longitudinal stops			
159	○	S	
160	○	○	S
161			W
164	S	○	○
165	○	○	○
166	○	S	S
168	○		
169	○	○	○
170	○	○	○
171			○
172			○
173	○	○	○
General			
- Extraction connection-Ø in mm Spindle fence/below table level spindle aggregate	120/80	120/80	120/80
- Extraction connection-Ø in mm saw unit/saw guard (overhead)	120/50 (80)	120/50 (80)	120/50 (80)
- Working height in mm	890	890	890
- Weight kg (with standard configuration)	570	640	780
- Min. transport width in mm	800	800	800
Important accessories			
210 Rolling carriage	○	○	○
212 Power feeder tilt-away device	○	○	○
223 IPPC palette	○	○	○
Transport			
221 Container transport preparation	○	○	○



Perfect woodworking with
FELDER machines

Product range

Sliding Table Panel Saws

K 945 S K 740 S K 740 professional K 700 S K 700 professional K 700 K 540 S K 500 S K 500 professional K 500

Shapers

F 900 M F 900 Z F 700 M F 700 Z F 500 MS F 500 M

Saw-Shapers

KF 700 S professional KF 700 professional KF 700 KF 500 professional KF 500

Planers

AD 951 AD 941 AD 741 AD 531 A 951 L A 941 D 951 D 963

Combination machines

CF 741 S professional CF 741 professional CF 741 CF 531 professional CF 531

Bandsaws

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

Dowel Boring Machine, Drilling Machine and Horizontal Mortiser

FD 29 professional FD 21 professional FD 250

Wide Belt Sanding Machines

FW 1102 perform FW 1102 classic FW 950 classic FW 850 classic

Brushing Machine

structura 60.02

Belt and Edge Sanders

FS 722 FS 900 KF FS 900 K

Edgebanders

G 480 G 380 G 360 G 330 G 220

ForKa 300 S eco ForKa 200 eco plus ERM 1050

Extraction Units & Briquetting Presses

RL 350 RL 300 RL 250 RL 200 RL 160 RL 140 RL 125

FBP 50/60/70 AF 22-D200 AF 22 Mobil/Stand/Wandmontage AF 16 AF 14 AF 12

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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