

FELDER®

F 700 M

VIBRATION-FREE STABILITY
FOR PERFECT RESULTS



FELDER®



F 700 M

Vibration free stability for perfect results



Solid wood



Panel material



Plastic



F 700 M

- » Solid machine cast iron table to ensure vibration-free stability
- » Maximum ease of use with "Power-Drive": electrical height and angle adjustment
- » Felder moulder spindle quick-change system: maximum productivity thanks to minimum set-up times
- » Maximum operating safety: spindle tilts from 90°–45° rearwards
- » "Easy-Glide" maintenance free tilt segment with a 6 year guarantee
- » 9 1/16" table opening – big advantage when panel raising
- » Reliable repeatability as well as accurate and precise quick adjustment: The Felder MULTI fine adjustment system
- » Dual extraction when moulding from both the moulder fence and below the table – a clean solution

With the new F 700 M tilting spindle shaper, Felder is not only offering an affordable solution for all woodworking shops, but also the ideal complement to CNC supported processing. With a solid cast iron table for vibration free stability, you will be ready for every challenge of modern woodworking.

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

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| <ul style="list-style-type: none"> » 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 | <ul style="list-style-type: none"> » 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 |
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The most important highlights at a glance



Solid cast iron tables

With 47 1/4", the solid cast iron moulding table offers a large-surface support area with maximum stability which can be extended to a total table length of 47 1/4" using the proven Felder cast iron extensions for oversized workpiece processing.



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



Shaper quick-change system

Advantages of the Felder spindle quick change system:

- » 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

Details



Power-Drive (moulder 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.



"Quick-Lock" - change moulding tools quickly and safely

Change moulding tools quickly and safely The "Quick-Lock" clamping system allows a convenient change of cutters on the table router and reduces the risk of injury from slipping. Suitable for Ø 30 mm spindles.



Table extension

Increase working surfaces on your machine with table extensions and auxiliary supports from Felder. These ensure that you can process heavy and large workpieces with ease, without the need of any assistance.



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.

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



"Easy-Glide" – 6-year guarantee!

- » Precise double trunnion system
- » High load-bearing capacity and operating life
- » Play-free tilt
- » Unaffected by dust
- » Completely maintenance free
- » No lubrication required
- » 6 Year Guarantee



Spindle shaper unit "700"

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

- » 4 17/32" useable spindle height above the table (5 / 6")
- » Shaper quick-change system
- » 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



Power feeder

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



Swing away device

The "swing away" power feeder arm allows for maximum operating convenience.



Safety Bar Guides

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

Technical specifications

Electrics		F 700 M
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	W
003	1x 230 V, 4.0 HP (3.0 kW)	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	W
007	5.5 PS (4.0 kW)	S
008	7.5 HP (5.5 kW) (I002)	O
009	10.0 PS (7.35 kW)	O
10	Star-delta start is necessary from 7.5 HP and 3x230V	O
11	Switch for forward and reverse run	O
12	Switch contact for the control of an extractor	O
14	3-phase CEE coupling for additional equipment with time-delayed connection (essential for the use of a power feeder)	O
Spindle shaper unit and spindle fence		
100	30 mm diameter spindle, 5 33/64" useable spindle height above the table	O
101	40 mm Ø moulder spindle, 6 19/64" useable height above the table	O
102	50 mm Ø moulder spindle, 6 19/64" useable height above the table	O
103	30 mm Ø spindle, 4 17/32" useable spindle height above the table	S
104	50 mm Ø moulder spindle, 4 17/32" useable height above the table	O
105	1 1/4", Ø moulder spindle, 4 17/32" useable height above the table	O
106	35 mm Ø moulder spindle, 4 17/32" useable height above the table	O
107	32 mm Ø moulder spindle, 4 17/32" useable height above the table	O
108	Highspeed router spindle 15,000 rpm instead of a 30 mm Ø moulder spindle	O
109	Shaper spindle tilt 90°–45°, speeds 3,500/6,500/8,000/10,000 U/min	S
110	Scale for tilting shaper spindle on the handwheel (!119)	S
112	Spindle moulder fence 230 for max. tooling diameter 9 1/16" (15 3/4" fence plates)	S
113	MULTI-fine adjustment system for the spindle moulder fence "230" (#112)	S
116	Anodized aluminum fence plates;	S
117	Anodized aluminum fence plates and safety bar guides (#112)	O
118	Electrical height adjustment with digital LED display ("Power-Drive" F1) (#110)	S
119	Electrical height and angle adjustment of the spindle with LED display (#201)	O
121	Spindle locking from outside	S
123	EURO spindle moulder guard	S
125	"Integral" safety bar guides 19 11/16"	O
180	50" extendable frame with emergency stop	O
181	86 39/64" pull out frame with emergency stop (#182)	O
182	Table extension on both sides 19 11/16"	O
-	Table opening in mm	230

Feeder device		F 700 M
226	Professional power feeder package for series production work (#001)	O
General		
-	Extraction connection-Ø in mm Spindle fence/below table level spindle aggregate	120/80
-	Working height in mm	890
-	Weight kg (with standard configuration)	450
-	Min. transport width in mm	900
Important accessories		
212	Swingaway device for power feeder	O
215	Application routing device for fixed bed spindle moulders	O
223	IPPC palette	O
Transport		
221	Container transport preparation	O

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

Heated
Veneer
Presses



MVP 31.14 flex

Wide Belt Sanding
Machines



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



Brushing
Machine



structura 60.02



structura 40.02

Belt and
Edge Sanders



FS 722



FS 900 KF



FS 900 K



FS 700 K

Edgebanders



G 560 / G 580 classic



G 500 EX



G 380



G 360



G 330



G 263



G 220



ForKa 300 S eco

Vertical
panel saw



KV 925

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 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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