

FELDER®

F 700 Z
READY FOR ANY
CHALLENGE



FELDER®



F 700 Z

Ready for every challenge



Solid wood



Panel material



Plastic



F 700 Z

- » Smooth running and comfort when cutting slots and tenons: "X-Roll" sliding table
- » Maximum ease of use with "Power-Drive": electrical height and angle adjustment (optional)
- » Felder shaper 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
- » Felder table extension systems and numerous additional equipment options – individually adaptable for every challenge

Our company's tilting spindle shapers have guaranteed top performance in workshops, business and industry for many years. With the new models in the 700 series, we are not only offering affordable solutions for all woodworking companies, but also the ideal complement to CNC-supported processing. With a solid cast iron moulding table to provide vibration-free stability or the reliable "X-Roll" sliding table that comes with a 10-year warranty to deliver excellent slots and tenons – with Felder spindle shapers, you are prepared for any challenge in modern woodworking.

... 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



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



Slot and tenoning perfection

Large dimensioned and designed with highest 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".



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



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



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.



"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



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.



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

Change routing 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.



Power feeder

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



Safety Bar Guides

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



Spindle shaper unit "700"

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

- » 115 mm 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

Outrigger table

The solid 1,100 outrigger table for 51 3/16" and 80 45/64" sliding tables offers a usable area of 31 1/2 x 23 5/8". You can perfectly process large-dimensioned workpieces, e.g. when rebating doors, with these valuable accessories.



Table Extension

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



Technical specifications

Electrics		F700Z
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 moulder 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	1¼", 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	Moulder spindle tilt 90°-45°, speeds 3,500/6,500/8,000/10,000 rpm	S
110	Scale for tilting shaper spindle on the handwheel (I119)	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)	O
119	Electrical height and angle adjustment of the spindle with LED display (#201)	O
123	EURO spindle moulder guard	S
125	"Integral" safety bar guides 19 ¹¹ / ₁₆ "	O
-	Table opening in mm	230
Format sliding table, slot and tenoning table		
137	Anodized integrated slot and tenoning table 1,000	S
131	Format sliding table M, cutting length 51 ³ / ₁₆ "	O
138	Slot and tenoning table 80¾" (2,050 mm), anodized	O

Outrigger table and longitudinal stops		F700Z
159	1,100 outrigger table	O
164	1,100 mm crosscut fence for all sliding table lengths	O
165	Telescopic extension for crosscut fence from 1,100 mm to 2,000 mm (#164)	O
166	Outrigger crosscut fence 2,600 mm, "X-Roll" system (#159)	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	807
Important accessories		
210	Rolling carriage	O
211	Coupling system for spindle moulder table extension (2 pcs.)	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®

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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