

**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 Spindle Moulder 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
- » 230 mm 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 moulders 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 moulders, 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



## Spindle moulder 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".



## Spindle Moulder quick change

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 ¼", 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 230 mm

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 (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 millimetre 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.



**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 moulder unit "700"**

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

- » 115 mm useable spindle height above the table (140/160 mm)
- » 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 1,300 mm and 2,050 mm sliding tables offers a usable area of 800 x 600 mm. You can perfectly process large-dimensioned workpieces, e.g. when rebating doors, with these valuable accessories.



**Table Extension**

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



## Technical specifications

Electrics		F 700 Z
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, 140 mm useable spindle height above the table	O
101	40 mm Ø diameter spindle, 160 mm useable height above the table	O
102	50 mm Ø diameter spindle, 160 mm useable height above the table	O
103	30 mm Ø diameter spindle, 115 mm useable spindle height above the table	S
104	50 mm Ø diameter spindle, 115 mm useable height above the table	O
105	1¼", Ø diameter spindle, 115 mm useable height above the table	O
106	35 mm Ø diameter spindle, 115 mm useable height above the table	O
107	32 mm Ø diameter spindle, 115 mm useable height above the table	O
108	Highspeed router spindle 15,000 rpm instead of a 30 mm Ø moulder spindle	O
109	Diameter spindle tilt 90°–45°, speeds 3,500/6,500/8,000/10,000 rpm	S
110	Scale for tilting moulder spindle on the handwheel (I119)	S
112	Spindle moulder fence 230 for max. tooling diameter 230 mm (400 mm fence plates)	S
113	MULTI-fine adjustment system for the spindle moulder fence "230" (#112)	S
116	Anodised ALUMINIUM fence plates	S
117	Anodised aluminium 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 500 mm	O
-	Table opening in mm	230
Format sliding table, slot and tenoning table		
137	Anodised integrated slot and tenoning table 1,000	S
131	Format sliding table M, cutting length 1,300 mm	O
138	Slot and tenoning table 80¾" (2,050 mm), anodised	O

Outrigger table and longitudinal stops		F 700 Z
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

Spindle Moulders

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

Saw-Spindle Moulders

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    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    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.

### FELDER GROUP

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