

**FELDER®**

# **F 900 Z**

CUTTING-EDGE  
PERFORMANCE FOR  
CRAFTSMANSHIP  
AND INDUSTRY



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# F 900 Z

Cutting-edge performance for craftsmanship and industry



Solid wood



Panel material



## F 900 Z

- » Table opening: 320 mm
- » Spindle fence for tool Ø max. 230 mm
- » Quick-change system of the spindle moulder, standard
- » Slot- and tenoning table: 1,300 mm (2,050 mm/2,500 mm)
- » Rotating speeds: 3,500, 4,500, 6,000, 8,000, 10,000 rpm  
(Option: continuously adjustable 1,500–10,000 rpm)
- » Shaper spindle control: "Power Drive"

The Felder tilting spindle moulder from the 900 Series was developed for top performance in both small business and industry. Inside the stylishly designed machine chassis, there is a high level of machine construction precision. Extreme precision, maximum operating comfort and perfect workmanship have ensured that Felder woodworking machines are the bestselling worldwide.

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

- |  |   |
|--|---|
| » The right machine for every budget   | » First class manufacturing and finishing standards |
| » Complete reliability in professional use   | » Intuitive application concepts                    |
| » Tailor made machine solutions  | » Modern, distinct design                           |
| » High quality cast iron machine table and aggregates  | » Quality and precision from AUSTRIA                |
| » Innovative detail solutions derived from 65 years of experience - already included in the standard configuration | » Powerful and efficient                            |
|  | » Complete package: Comprehensive service support   |



# The most important highlights at a glance



## Slot and tenoning perfection

As standard, the Felder tilting spindle moulders are already equipped with the slot and tenoning table. Large dimensioned and designed with high use in mind, the aluminium format sliding table "hovers" on the 'X-Roll', a highly developed guiding technology for Felder sliding tables.



## Moulder 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

The almost unlimited applications of your new F 900 tilting spindle moulder is enhanced even further by the spindle quick change system from Felder. Spindles with pre-mounted tools for serial moulding work and spindles with differing diameters can be changed over in seconds. A particular highlight is the Felder high speed router spindle that can be used for router cutters and run at 15,000 rpm.

# 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



## "Easy Glide" tilting guide system

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 works with a synthetic material such as that used in aerospace and airlock construction, which makes it absolutely maintenance-free without the need for lubricants, while also being resistant to dust. With a 6 year factory guarantee this Felder component offers reliability for many years to come.



## Table opening 320 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.



#### Outrigger table

Optional equipment: Outrigger and slot and tenoning table. Large dimensioned workpieces such as the rebating of doors can be processed with this high quality accessory with perfection.



#### Electrical height adjustment of the moulding spindle

The fully electronic "Power-Drive" control offers the most precise setting and repeat accuracy. Using a rotary knob, the height and angle settings are adjusted; the fine adjustment to the tenth of a millimetre is done via push-button. Directly from the control panel and in real time, red LED digits indicate the current actual reading. Series-900 machines also have a digital display for the current rotation speed.

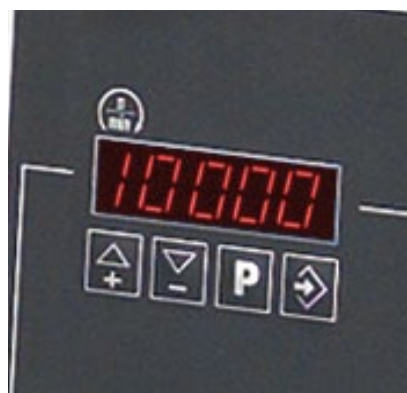
#### Felder table extensions

Ever since 1969 the Felder table extensions have proved themselves a thousands times over. In just a few seconds and without tools you can increase the support length of your machine by up to 2,000 mm.



#### "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.



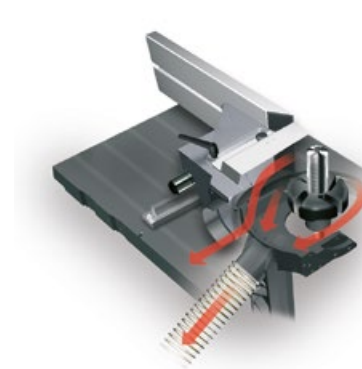
#### Variable speed control

Optionally – continuously variable speed control up to 10,000 rpm – perfect results whatever the material.



#### Fence Plate

Hardened anodised aluminium fence plates are standard. The removable fence plate can be accurately fine-adjusted along the scale from -5 to +25 mm.



#### Dual dust extraction for spindle moulder

The dual dust extraction for the shaper via the shaper fence and the chip collection bin under the cutterhead ensures clean and trouble free operation.



#### Power feeder

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



#### Spindle Moulder Unit "900"

Decades of machine construction experience combined with modern production techniques is reflected in every detail of the heavy-duty 900 series spindle aggregate.

- » Spindle useable height of up to 140 mm, 30 mm diameter spindle (160 for 40 and 50 mm diameter spindles)
- » 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
- » Dovetail guidance system of the height adjustment
- » 2 bearing seats for the shaper spindle
- » Excellent vibration absorption from heavy cast iron unit
- » Maximum power transmission achieved through the Poly-V belts and counter surface
- » Variable speed control 1,500–10,000 rpm
- » Digital rotation speed display



#### 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 900 Z
001 3x 400 V motor voltage	S
002 3x 230 V motor voltage	W
004 50 Hz motor frequency	S
005 60 Hz motor frequency	W
007 5.5 HP (4.0 kW)	S
008 10.0 PS (7.35 kW)	O
009 13.5 HP (10.0 kW)	O
10 Stardelta start is necessary from 7.5 HP and 3x230V	S
12 Switch contact for the control of an extractor	O
13 Operating hour meter	O
14 3-phase CEE coupling for additional equipment with time-delayed connection (essential for the use of a power feeder)	O
17 Continuously variable speed control 1,500–10,000 rpm with soft start (replaces stardelta start-up) for 3x 230 V or 3x 400 V; only for 10.0 HP (7.35 kW) (#110)	O
- 5 speeds 3,500/4,500/6,000/8,000/10,000 rpm	S
- Switch for forward and reverse run	S

Spindle moulder unit and spindle fence	
103 30 mm diameter spindle, 140 mm useable spindle height above the table	S
102 50 mm Ø spindle instead of 30 mm spindle, 160 mm useable height above the table	O
101 40 mm Ø spindle instead of 30 mm spindle, 160 mm useable height above the table	O
105 Spindle – Ø 1¼", instead of 30 mm, 140 mm useable height above the table	O
106 35 mm Ø router spindle, 140 mm useable height	O
107 32 mm Ø router spindle, 140 mm useable height	O
108 Highspeed router spindle 15,000 rpm instead of a 30 mm Ø moulder spindle	O
109 Manual spindle tilt 90° – 45°	S
110 Electric spindle tilt 90°–45°	O
118 Electrical height adjustment of the moulding spindle	S
112 "230" spindle moulder fence for max. tooling diameter 230 mm, 550 mm fence plates	S
113 MULTIfine adjustment system for the spindle moulder fence "230" (#112)	S
116 550 mm anodised aluminium fence plates	S
117 Anodised aluminium fence plates and safety bar guides (#112)	O
119 Digital LED display for spindle height and angle (#110)	O
121 Spindle locking from outside	S
123 EURO spindle moulder guard	S
125 "Integral" safety bar guides 500 mm	O
127 Prepared for digital speed display for high-speed spindle (#108)	W
180 1,270 mm extendable frame with emergency stop	O
183 670 mm table extension on both sides with 2,200 mm extendable frame	O
- Table opening in mm	320

Feeder device	F 900 Z
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)	730
- Min. transport width in mm	920
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

Spindle Moulders



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.

### FELDER GROUP

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