

FELDER®

FD 21 professional

MULTI BORING HAS NEVER
BEEN SO ACCURATE



FELDER®



FD 21 professional

The multi boring machine for precise and accurate operation!



Panel material



Maximum precision when dowel boring with the Felder FD 21 professional. With 21 high quality drilling spindles at a distance of 32 mm, for drill bits with a diameter of maximum 35 mm, exact dowel and line boring holes are guaranteed. The welded chassis in combination with the solid cast iron table, rigid side and longitudinal stops, as well as pneumatic workpiece holders and ergonomically designed operating elements ensure that the FD 21 professional, is a dowel boring machine of the top class.



FD 21 professional

- » Range of application dowel boring
- » Drilling depth: 70 mm
- » Drilling height adjustment: 55 mm
- » Table size: 900 x 380 mm

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

- | | |
|--|---|
| <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 |
|--|---|

The most important highlights at a glance



Tiltable drilling unit

Drilling unit with 21 spindles, quick change chuck, 32 mm bore grid. The drilling unit can be tilted from 0°–90° using compressed air.



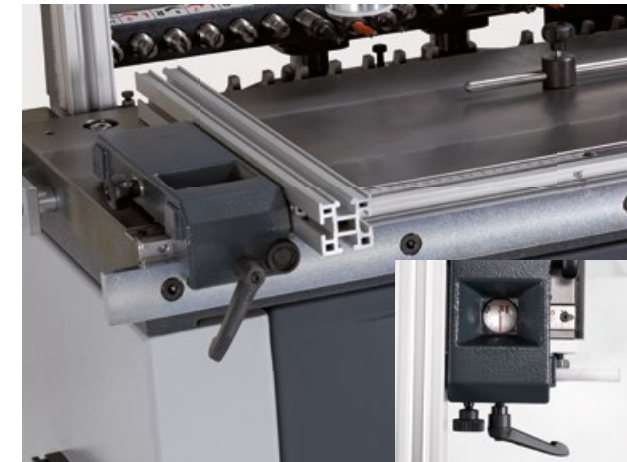
Optional: Maximum repeatability

The Felder locking system is mounted to the front of the FD 21 professional. Variably adjustable stops can be moved into position quickly and fixed accurately. (Not possible to retrofit)



Optional: Blum, Hettich or Grass?

The Felder combination drilling segments guarantee accurate holes for your preferred hinge supplier, in one working process.



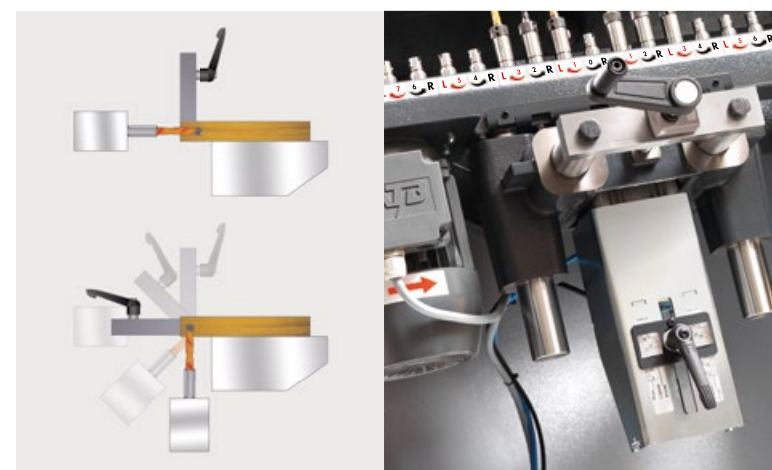
Lateral stops

Solid side fences left and right with a profile of 420 mm.



End stop

Two 1,500 mm linear fences each with two stops.



Bore depth compensation

The 8 mm compensation ensures that when carrying out corner connections the drilling depth only needs to be set once.



Fence depth up to 300 mm

Fence depth adjustable up to 11 3/4" (300 mm) with a scale.

Optional



Everything in its place
Holders for the side fences, fence extensions and two tool holders each with the capacity for 21 tools, ensures that all equipment required is always at hand.



Adjust with an accuracy of a tenth of a millimetre
Removable side fences with digital displays enable comfortable setting adjustment, accurate to within a tenth of a millimetre.



Straight or at an angle
The 90° fence and the 45° mitre fence offer comfort and precision with every application.



Symmetrical adjustment
Gauge for the transferring of the distance of the side fences for simple, symmetrical adjustment.



Maximum load-bearing capacity
Additional pressure cylinders ensure maximum clamping force.

Technical specifications

Electrics		FD 21 professional
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	O
003	1x 230 V motor voltage	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	O
006	2.0 HP (1.5 kW)	S
Mortising unit		
20	Locking sytem for the side fence with 8 stops	O
-	Distance between the axes of the drills in mm	32
-	Fence stops for aluminium fence extension for FD 21	4
-	Number of drills	21
-	Number of tool sockets with bayonet lock	5
-	Left 1.5 m aluminium fence extension for FD 21 without fence stops	1
-	Max. drilling depth in mm	70
-	Right 1.5 m aluminium fence extension for FD 21 without fence stops	1
-	Tool holder shank with bayonet lock (mm)	10
General		
-	Extraction connection in mm	80
-	Number of pressure cylinders	2
-	Compressed air requirement	6–8 bar
-	Weight kg (with standard configuration)	340
-	Max. workpiece height in mm	65
-	Table size in mm	900 x 380

Important accessories		FD 21 professional
11	Tool spindle with a bayonet mount (15.0.310)	O
12	Additional pneumatic compressor rod (432-310)	O
13	90° and 45° mitre fence (432-311)	O
21	Bracket to hold the side fences, fence extensions and 2 tool holders each for holding 21 tools (432-316)	O
211	Coupling system for table extension spindle moulder	O
22	Side fences (2 pieces) with digital display (#211)	O
223	IPPC palette	O
23	Gauge for setting the distance between the cast-iron fences (432-317)	O
-	Fence stops for aluminium fence extensions for FD 21 (432-312)	O
-	Combination drilling segment for Lamello Cabineo (15.0.326)	O
-	Combination drilling segment for BLUM hinges, distance between the side holes 45/9.5 (15.0.313)	O
-	Combination drilling segment for GRASS hinges, distance between the side holes 42/11 (15.0.315)	O
-	Combination drilling segment for HETTICH hinges, distance between the side holes 52/5.5 (15.0.314)	O
-	Combination drilling segment for SALICE hinges, distance between the side holes 48/6 (15.0.322)	O
-	Left 1.5 m aluminium fence extension for FD 21 without fence stops (432-313)	O
-	Right 1.5 m aluminium fence extension for FD 21 without fence stops (432-314)	O
Transport		
221	Container transport preparation	O

Product range

Sliding Table
Panel Saws



Spindle Moulders



Saw-Shapers



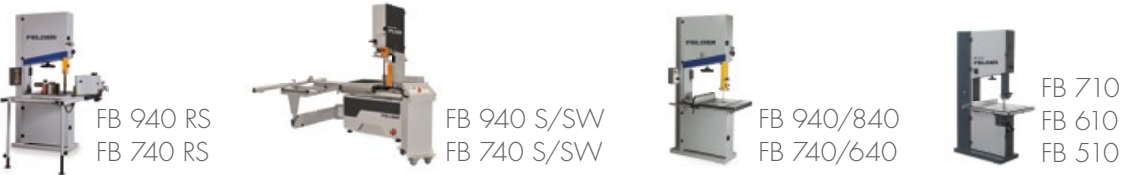
Planers



Combination
machines



Bandsaws



Dowel Boring Machine,
Drilling Machine and
Horizontal Mortiser



Heated
Veneer
Presses



Wide Belt Sanding
Machines



Brushing
Machine



Belt and
Edge Sanders



Edgebanders



G 263



Vertical
panel saw



Extraction Units &
Briquetting Presses





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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