

FELDER®

D 963

THE MOST
HEAVY-DUTY PLANER
OF THE FELDER RANGE

FELDER®



D 963

The most heavy-duty planer of the Felder range



Solid wood



Plastic



The clear machine design displays the key competences of the Felder D 963 at first glance: strength, stability and operating comfort of the highest level. Optimised for maximum requirements – with 630 mm thickening width, this thicknesser is a powerhouse of performance and precision. Innovative operating controls and large dimensioned, heavy-duty precision components ensure superb machining, maximum precision and durability.

When aiming for gentle and careful workpiece processing, the thicknesser with 630 mm planing width has nevertheless remained a powerhouse in terms of performance and precision. Large-sized, heavy-duty precision components convince with first-class workmanship, maximum precision and durability. The D 963 combines proven Felder system components such as the solid thickening table and the four trapezoidal threaded spindles to achieve a completely new dimension in the quality of the planing result.



D 963

- » Planing width: 510 mm
- » Cutterblock: self-aligning planer knives; Silent-Power® Spiral Knife Cutterblock (optional)
- » Thickening table length: 1,050 mm (1,650 mm)
- » Max. depth of cut: 8 mm
- » Thickening height 3–300 mm
- » Feed speed: variable 4–16 m/min

D 963 c-tech

- » Planing width: 510 mm
- » Silent-Power® "c-tech" spiral blade cutterblock with special cutting geometry for plastic processing
- » More operating comfort: Digi-Drive-control
- » Rubber in- and outfeed rollers
- » Max. depth of cut: 3 mm
- » Thickening height 3–300 mm
- » Feed speed: variable 2–8 m/min

... 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



FELDER
Highlight

Silent-Power®

Exclusive for planer/thicknessers from the Felder Group. The SilentPower® spiral blade cutterblock cuts noise levels during planing by well over half and provides a continuous pulling cut for tear-free planing patterns in any type of wood. With this revolutionary new development from you are obtaining all of the advantages of a spiral cutterblock at considerably lower operating, investment and adjustment costs. The benefits of the Silent-Power® spiral blade cutterblock at a glance:

- » Sensationally quiet, noise is reduced by 50%!
- » Blade life up to 20 times longer
- » Four highly precise cutting edges on each knife
- » Optimised chip extraction and reduced chip volume
- » Tear-free planing results



FELDER
Highlight

Variable infeed

Regardless of the type of wood and grain, the variable feed speed of between 4–16 m/min always guarantees a perfect planing result.



FELDER
Highlight

"Digi-Drive"

Enter the thickness required, press Start and the thickening bed adjusts exactly to the desired position. LED displays for the required and actual values. Additional functions: incremental adjustment, 4 programmable thickening table positions.



FELDER
Highlight

Power-Drive

The fully electrical "Power-Drive" planer table control offers the most precise adjustment and repeat accuracy. With a turn of the knob, you can quickly adjust the thickening height, then fine-adjust using the button. With the integrated LED-display, you can easily see the current actual value.

Details



Cutterblock housing

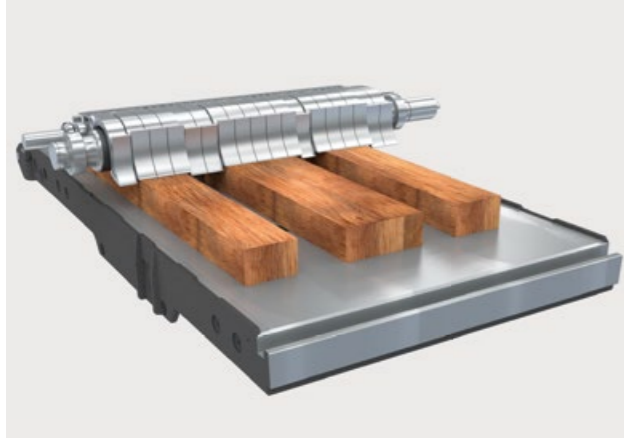
The solid cast iron cutterblock housing is built for heavy duty work. On request, rubberised outfeed rollers can be supplied. The pressure beams combined with the rubber or segmented infeed roller serves to machine simultaneously workpieces of differing width.



FELDER System cutterblock

The Felder system cutterblock has guaranteed perfect planing results for decades

- » Knife change in less than two minutes
- » Self-aligning knives are perfectly set each and every time
- » No resin buildup on the clamping screws
- » Extremely smooth operation due to the enclosed design
- » Maximum durability of the knives
- » Cost saving with cheaper knife costs



Spring loaded segmented pressure beam
A recommended option when planing with a small depth of cut, with very thin workpieces or workpieces with different thicknesses.

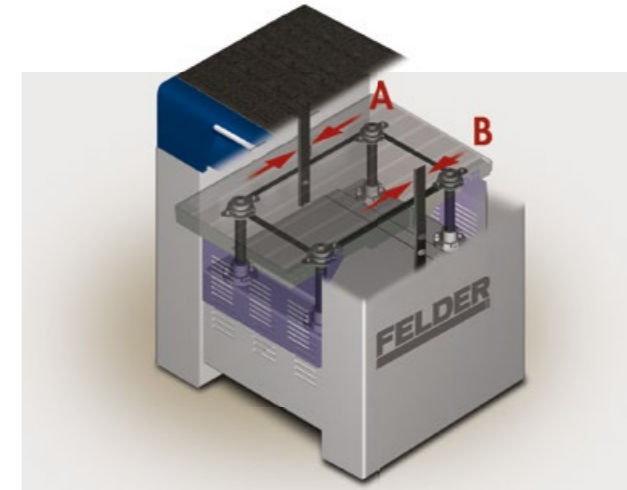


Perfect planing technology
Two pressure bars prevent the fluttering of the workpiece, in particular thinner pieces when thicknessing.



Application of lubricants
Apply the lubricant via the wick from the tank onto the underside of the workpiece.

FELDER®



Trapezoidal threaded spindle
4 trapezoidal support spindles ensure utmost precision and high load bearing capacity. The thickening table slides precisely along the vertical guides in longitudinal direction (A + B). These longitudinal guides also absorb the feed pressure occurring during thickness planing in the direction of the outfeed.



Adjustable under table roller
Optional integrated adjustable bed rollers are available for processing workpieces with high resin or moisture content.



Scissor lifting table
On request, the thickening table can be extended by 1,150 mm with a scissor lifting table.



Table extension
When thickness planing several workpieces at the same time, the 570 mm long table extension with outfeed workpiece roller assists in the removal of the finished workpieces.



Support roller
For those customers that regularly process wet or resinous wood, we would recommend the option of the workpiece roller and lubrication unit on the infeed side of the machine.

Technical specifications

Electrics	D 963	D 963 c-tech
001 3x 400 V motor voltage	S	S
002 3x 230 V motor voltage	O	O
004 50 Hz motor frequency	S	S
005 60 Hz motor frequency	O	O
008 10.0 PS (7.35 kW)	S	S
009 13.5 HP (10.0 kW)	O	O
10 Star-delta start is necessary from 7.5 HP and 3x230V	S	S
12 Switch contact for the control of an extractor	O	O

Cutterblock	D 963	D 963 c-tech
39 4 knife Felder-system cutter-block	S	
44 Silent-Power spiral cutterblock c-tech for synthetic materials		S
44 Silent-Power spiral cutterblock	O	
- Number of knives – Silent-Power spiral cutterblock	95	95
- Cutterblock diameter in mm	120	120

Thicknesser and feed gears;	D 963	D 963 c-tech
224 Table extension with workpiece roller for the thicknesser table (630 x 570 mm)	O	O
50 Thicknessing width in mm	630	630
53 Electrical height adjustment for thicknesser table ("Power-Drive" D1) (#55/60)	S	O
55 Electronic digital display for the thicknessing table adjustment (#53)	S	
57 Variable speed 2–8 m/min		S
57 Variable speed 4–16 m/min	S	
59 2 adjustable rollers under the thicknessing table, adjustment range 0–0.5 mm (#53)	O	
60 Positioning control for thicknesser table height, dimensions can be preselected ("Digi-Drive D1") (# 53)	O	S
61 Rubberised infeed roller (#62)	O	S
62 Rubber outfeed roller	O	S
63 Spring loaded segmented pressure bar (recommended with Option 061)	S	S
64 Second steel outfeed roller	O	
65 Second rubber coated outfeed roller	O	O
- Steel outfeed roller, micro-serrated	S	
- Min.-max. thicknessing height in mm	3–300	3–300
- Steel infeed roller	S	
- Min. workpiece length in mm	250	250
- Max. depth of cut (mm)	8	3

General	D 963	D 963 c-tech
- Thicknesser extraction connection-Ø in mm	160	160
- Weight kg (with standard configuration)	845	845

Important accessories	D 963	D 963 c-tech
211 630 mm thicknesser table workpiece roller on the infeed side	O	O
223 IPPC palette	O	O
225 The scissor lifting table to be mounted on the thicknesser table	O	O
226 Coupling system for table extension with F-coupling (on the outfeed side)	O	O
58 Automatic lubricant application at the infeed of the thicknessing table with workpiece roller on the infeed side	O	

Transport	D 963	D 963 c-tech
221 Container transport preparation	O	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



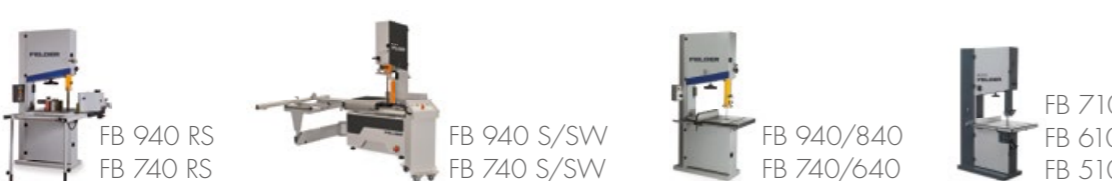
AD 951 AD 941 AD 741 AD 531 A 951 L A 941 D 951 D 963

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 480 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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