

FELDER®

AD 951

TOP CLASS



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Top Class



You are looking for a planer thicknesser, that provides excellent planing results and offers incredible ease of use? Then you are exactly right with the FELDER AD 951 Solid ribbed planing table and a 4 column thicknessing table guide system ensure high stability. The planer table adjustment system, 120mm cutterblock diameter and the tried and tested Felder system cutterblock guarantee a perfect planing finish. An intuitive design means that changing from planing to thicknessing is quick and easy putting the new AD 951 in a class of its own!

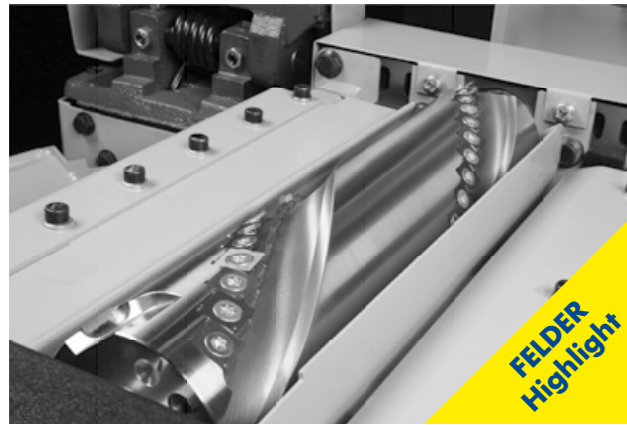
AD 951

- » Intuitive, synchronised opening of the dual jointer table
- » The optimised planer fence design ensures the smallest possible space requirement
- » The new Felder planer fence: Highest operational safety with the best operating comfort
- » The Felder system cutterblock has guaranteed perfect planing results for decades
- » The innovative Silent-Power® spiral knife cutterblock cuts noise emission by half

... 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



FELDER Highlight

Silent-Power®

Exclusive for planers from the Felder Group The Silent-Power® 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.



FELDER Highlight

Stability for high performance

The solid cast iron cutterblock housing is built for heavy duty work. The serrated steel infeed roller and the micro-serrated steel outfeed roller guarantee a perfect transport of the workpiece through the machine. Both steel rollers are large dimensioned and non-wearing. The combination of cutterblock, transport feed rollers and type of wood are essential for perfect jointing results.



FELDER Highlight

Stability and long-lasting precision

Four trapezoidal support spindles ensure utmost precision and high load bearing capacity. Vertical guides integrated into the side of the machine chassis absorb the resulting outfeed side pressure and guide the thickening table into position with an accuracy of a tenth of a millimetre.

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.



FELDER Highlight



FELDER Highlight

"Digi-Drive"

The programmable "Digi-Drive" planing table control makes it possible to enter the planing height using the numeric keypad and the planing bed positions itself automatically and precisely. Two integrated LED displays show the current target and actual values. To optimise production you can save incremental measurements and individual thickening table positions.

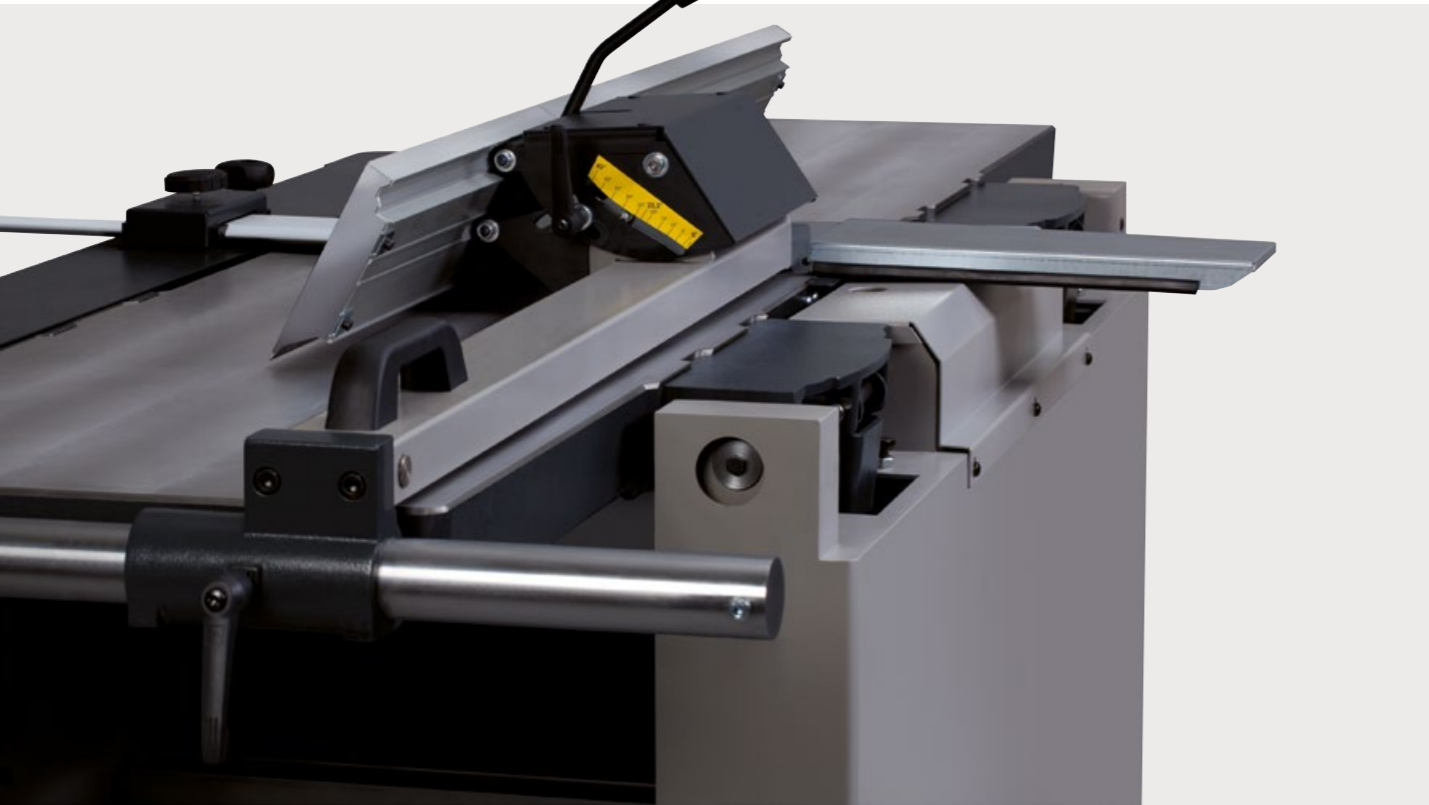
Variable infeed

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

Details



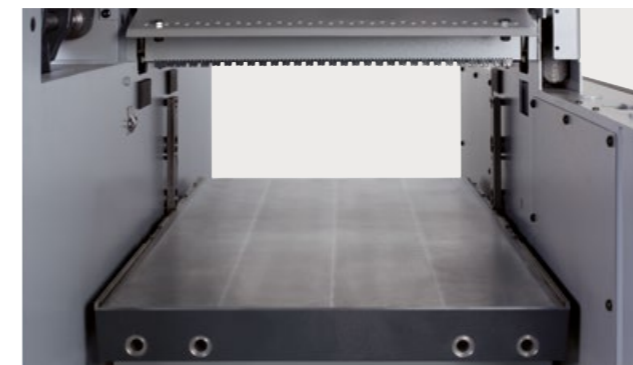
The Felder planer fence

The planer fence: A masterpiece of space saving design that ensures stability and precision! The planer fence can be tilted to any position from 90° to 45°. There is an end stop at both the 90° and 45° positions.



Power feeder

A power feeder increases the safety and comfort when planing without reducing the planing width. The constant pressure ensures a perfectly smooth and even planing finish.

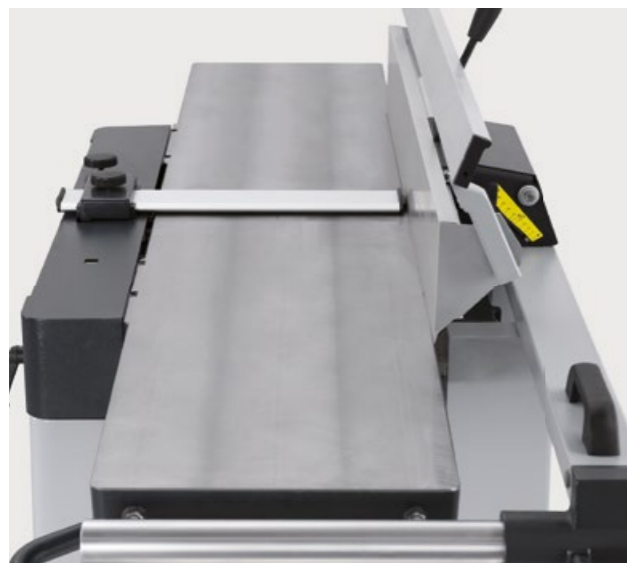


Planing height

With the amply dimensioned thickening height of up to 254 mm, even processing large solid wood trusses is simple and effort free.

Planer table with prismatic guides

The patented Felder planer table adjustment system, uses prism guidance for the highest level of adjustment precision. With the new ergonomically shaped depth of cut adjustment handle, you can adjust the depth of cut quickly and precisely. The depth of cut can be adjusted and set at any position up to 5 mm. The integrated lens makes it possible to accurately read the setting, ensuring exact results.



The Felder auxiliary fence

When processing thin or narrow workpieces the new tiltable auxiliary fence attached to the planer fence, guarantees a safe and comfortable planing operation.



The new Felder planer safety fence

Maximum ease of use and operational safety! The space saving jointer guard integrated into the machine chassis stabilizes the workpiece when jointing and beveling.



Comfort jointer guard

Maximum work safety and unparalleled ease of use: The space-saving dressing guard integrated into the machine stand stabilises the workpiece during dressing and jointing operations.



Felder table extensions

With the proven Felder table extension systems, you can extend your planer table quickly and without tools.



FELDER System cutterblock

The Felder system cutterblock has guaranteed perfect planing results for decades

- » 2 or 4 knife cutterblock
- » 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



Felder changeover comfort

The tried and tested Felder operating concept reduces the effort in changing from planing to thickening to a minimum. The intuitive table clamping system makes it possible to synchronously unlock and lift the planing tables with one hand movement.



Perfect planing technology

Two pressure bars prevent the fluttering of the workpiece, in particular thinner pieces when thickening.

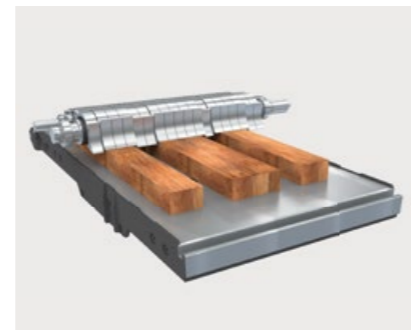


Dust extraction hood.

The aerodynamically optimized construction of the dust extraction hood with its ample chip space guarantees an ideal chip extraction and clean working surface.

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.



Silent-Power®
The quiet cutterblock



INCREDIBLY QUIET

For the sake of your health and your employees

The Silent-Power spiral blade cutterblock reduces noise levels by 50 % (10 db A) when compared with conventional systems.



20 TIMES LONGER BLADE LIFE

saves money
The tungsten carbide cutters in the Silent-Power spiral blade cutterblock provide up to twenty times the cutting edge service life of HSS cutters.



FOUR CUTTING EDGES

More „planer knives“ at the same price
Each tungsten carbide knife (on the Silent-Power spiral blade cutterblock) has four cutting bevels. Quickest change of the cutter with a simple single “turn”.



LOWER POWER CONSUMPTION

save power costs
Regardless of the planing width, the Silent-Power cutterblock uses significantly less power than comparable systems.



TEAR-FREE PLANING RESULTS

Real spiral-knife technology
Continuous, pulling cut thanks to the compact arrangement of all cutting edges with optimised cutting angle on the Silent-Power spiral blade cutterblock.



LARGE CHIP SPACE

smallest chipping volumes
The chipping flow optimised chip clearance of the Silent-Power spiral blade cutterblock and the short cutting bevels guarantee the best possible chip transport and the lowest chip volumes



IN-HOUSE PRODUCTION

Innovation made in Austria
The Silent-Power spiral blade cutterblock is manufactured 100% in the factory in Hall i. T., Austria. Local craftsmanship and uncompromising manufacturing standards guarantee the top quality “Made in Austria”.



PATENTED SINCE 2012

Often copied, but never equalled
Almost 10 years ago, the Silent-Power spiral blade cutterblock has set new standards on the market in terms of noise reduction, quality and efficiency and it is still unmatched today.

Technical specifications

Electrics		AD 951
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	O
006	5.5 PS (4.0 kW)	S
007	5.5 HP (4.0 kW)	O
008	10.0 PS (7.35 kW)	O
009	13.5 HP (10.0 kW)	O
10	Star-delta start is necessary from 7.5 HP and 3x230V	O
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

Cutterblock		
30	Planing width in mm	510
34	Swivelling auxiliary fence for narrow workpieces	O
36	Standard EURO planer guard	S
37	Comfort EURO planer guard	O
38	SUVA planer guard	O
39	4 knife Felder-system cutter-block	S
40	4 knife Standard cutter-block using traditional single sided planer knives	O
41	3-knife TERSA cutter-block	O
44	Silent-Power spiral cutterblock	O
-	Planer fence with fence plate 1.300 x 170 mm	S
-	Overall planer table length in mm	2.250
-	Number of knives - Silent-POWER spiral cutterblock	77
-	Infeed planer table length in mm	1.100

Thickneser and feed gears;		
50	Thicknessing width in mm	504
51	Digital display of the thickening height in mm	S
52	Digital display of the thickening height in inches	O
53	Electrical height adjustment for thickneser table ("Power-Drive" D1) (#55/60)	O
55	Electronic digital display for the thickening table adjustment (#53)	O
57	Variable speed 4-16 m/min	S
59	2 adjustable rollers under the thickening table, adjustment range 0-0.5 mm (#53)	O
60	Positioning control for thickneser table height, dimensions can be preselected ("Digi-Drive D1") (# 53)	O
61	Rubberised infeed roller (#62)	O
62	Rubber outfeed roller	O
63	Spring loaded segmented pressure bar (recommended with Option 061)	O
-	Min.-max. thickening height in mm	(3-254 mm)
-	Min. workpiece length in mm	250
-	Max. depth of cut (mm)	5

General		AD 951
-	Thickneser extraction connection-Ø in mm	140
-	Working height in mm	860
-	Weight kg (with standard configuration)	900

Important accessories		
210	Table extension coupling system for planer tables 510 mm	O
211	Thickneser table workpiece roller on the infeed side (#53)	O
212	Socket for feeder mount	O
223	IPPC palette	O
224	Table extension with workpiece roller for the thickneser table (510 x 570 mm), limited to a maximum of 5 mm planing depth!	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

Wide Belt Sanding Machines

FW 1102 perform FW 1102 classic FW 950 classic FW 850 classic

Brushing Machine

structura 60.02

Belt and Edge Sanders

FS 722 FS 900 KF FS 900 K

Edgebanders

G 480 G 380 G 360 G 330 G 220

ForKa 300 S eco ForKa 200 eco plus ERM 1050

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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