

**FELDER®**

# AD 951

## TOP CLASS



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## Top Class



Solid wood



You are looking for a jointer-planer, 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 jointing table guide system ensure high stability. The planer table adjustment system,  $4^{23/32}$ " cutterblock diameter and the tried and tested Felder system cutterblock guarantee a perfect planing finish. An intuitive design means that changing from jointing to planing 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 optimized jointing fence design ensures the smallest possible space requirement
- » The new Felder jointer 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"> <li>» The right machine for every budget</li> <li>» Complete reliability in professional use</li> <li>» Tailor made machine solutions</li> <li>» High quality cast iron machine table and aggregates</li> <li>» Innovative detail solutions derived from 65 years of experience - already included in the standard configuration</li> </ul> | <ul style="list-style-type: none"> <li>» First class manufacturing and finishing standards</li> <li>» Intuitive application concepts</li> <li>» Modern, distinct design</li> <li>» Quality and precision from AUSTRIA</li> <li>» Powerful and efficient</li> <li>» Complete package: Comprehensive service support</li> </ul> |
|--|---|



# The most important highlights at a glance



## 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.



## 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.



## 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 jointing 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 jointing height, then fine-adjust using the button. With the integrated LED-display, you can easily see the current actual value.



## "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 optimize production you can save incremental measurements and individual jointing 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.



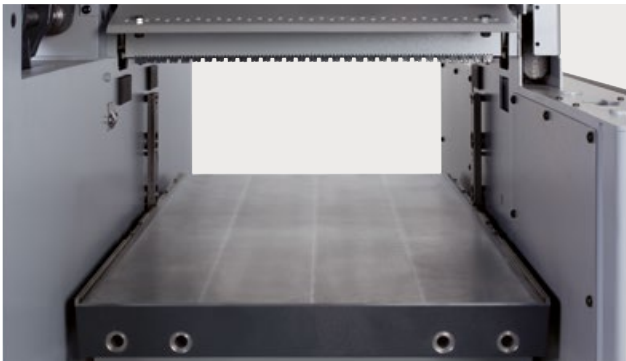
# Details



**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.



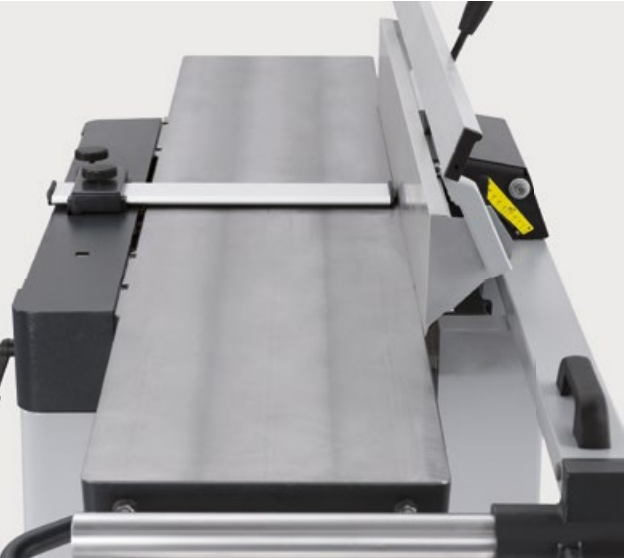
**Power feeder**  
A power feeder increases the safety and comfort when planing without reducing the planing width. The constant pressure ensures a perfectly smooth and even planing finish.



**Planing height**  
With the amply dimensioned jointing height of up to 10", even processing large solid wood trusses is simple and effort free.



**Jointing table with prismatic guides**  
The patented Felder jointer 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 read the setting, ensuring exact results accurately.



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



**The new Felder jointer 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 column stabilizes the workpiece during dressing and joining 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 jointing 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 jointing.



**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 optimized cutting angle on the Silent-Power spiral blade cutterblock.



**LARGE CHIP SPACE**

**smallest chipping volumes**  
The chipping flow optimized 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 cutterblock	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 51 <sup>3</sup> / <sub>16</sub> x 61 <sup>1</sup> / <sub>16</sub> " (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

Jointer and feed gears;		
50	Jointing width in mm	504
51	Digital display of the jointing height in mm;	S
52	Digital display of the jointing height in inches	O
53	Electrical height adjustment for jointer table ("Power-Drive" D1) (#55/60)	O
55	Electronic digital display for the jointing table adjustment (#53)	O
57	Variable speed 4–16 m/min	S
59	2 adjustable rollers under the jointing table, adjustment range 0–0.5 mm (#53)	O
60	Positioning control for jointer 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. jointing height in mm	(3–254 mm)
-	Min. workpiece length in mm	250
-	Max. depth of cut (mm)	5

General		AD 951
-	Jointer 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 20 <sup>5</sup> / <sub>64</sub> " (510 mm)	O
211	Jointer 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 jointer table 20 <sup>5</sup> / <sub>64</sub> x 22 <sup>7</sup> / <sub>16</sub> " (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



Shapers



Saw-Shapers



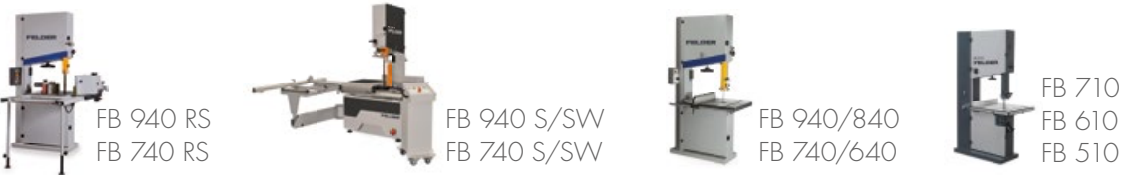
Planers



Combination  
machines



Bandsaws



Dowel Boring  
Machine, Drilling  
Machine and  
Horizontal Mortiser



Wide Belt  
Sanding Machines



Brushing  
Machine



Belt and  
Edge Sanders



Edgebanders



ForKa 300 S eco



Extraction Units &  
Briquetting Presses



FBP 50/60/70







## 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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