

FELDER®

AD 531

SOPHISTICATED
EQUIPMENT
AND DETAILS



FELDER®



AD 531

Sophisticated equipment and details



The combination of great price and perfectly matched details makes carpenter hearts beat faster. The professional planer fence, the solid cast iron planer tables, and the Felder2-knife system cutterblock (optional Felder 4-knife system cutterblock or Silent-Power® spiral cutterblock) are sure to impress every woodwork enthusiast.

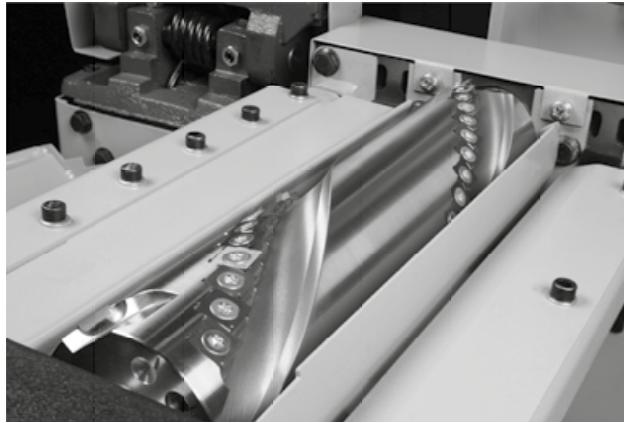
AD 531

- » Planing width 310 mm or other way round 310 mm planing width
- » Planer table length: 1.500 mm (3.500 mm)
- » Cutterblock: self-aligning planer knives; Silent-Power® spiral cutterblock (option)
- » Thicknessing height: 4–220 mm
- » Feed speed: 6 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



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.



Planer table with prismatic guides

The patented Felder planer table adjustment system, uses prism guidance for the highest level of adjustment precision. Quick and accurate adjustment of cutting depth from the operator side of the infeed table.



Surface planer table length 1.500 mm

The cast iron planing tables are solidly ribbed and can withstand the toughest jobs.

Details



The 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.



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



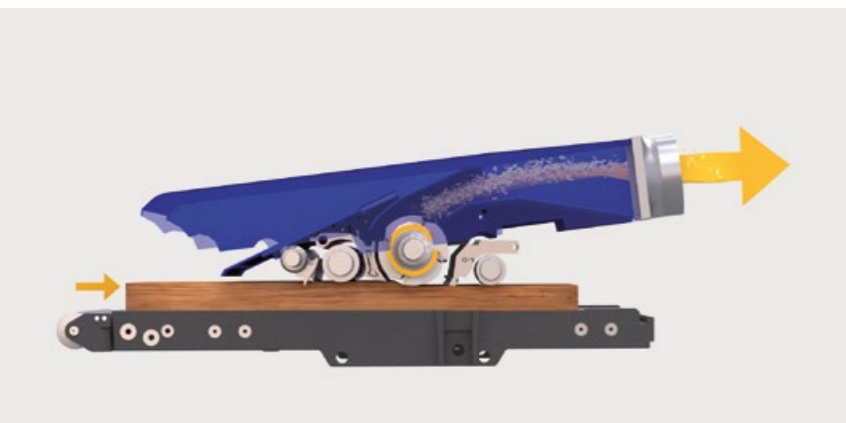
Standard EURO planer guard

The space saving planer guard integrated into the machine chassis stabilizes the workpiece when jointing and beveling.



Felder table extensions

Ever since 1969 the Felder table extensions have proved themselves a thousands times over. Increase the support surface of your Felder by up to 1000 mm in just a few easy steps and without the need for tools.



Perfect planing technology

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



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



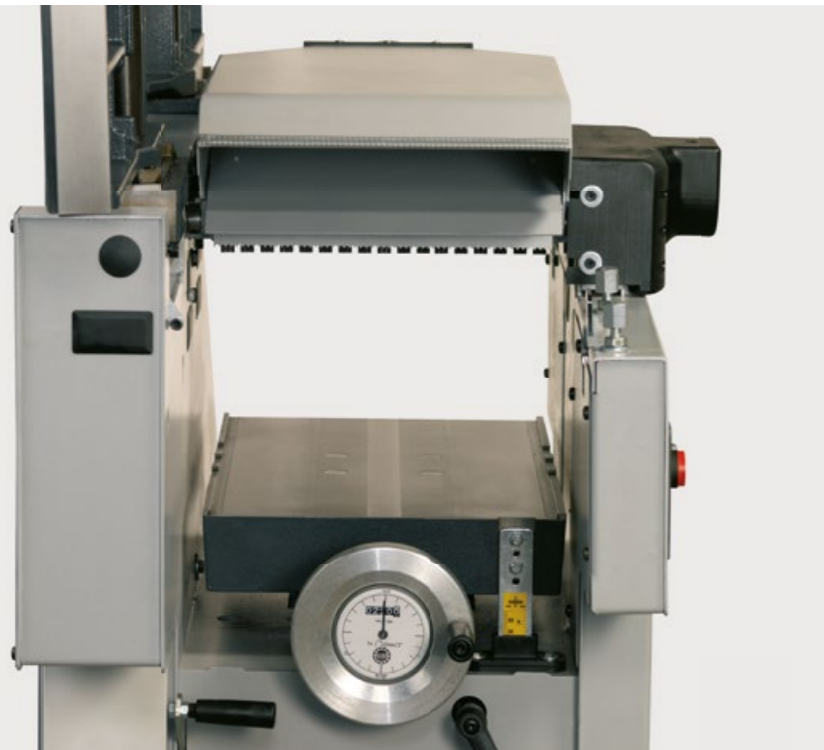
IN-HOUSE PRODUCTION

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.



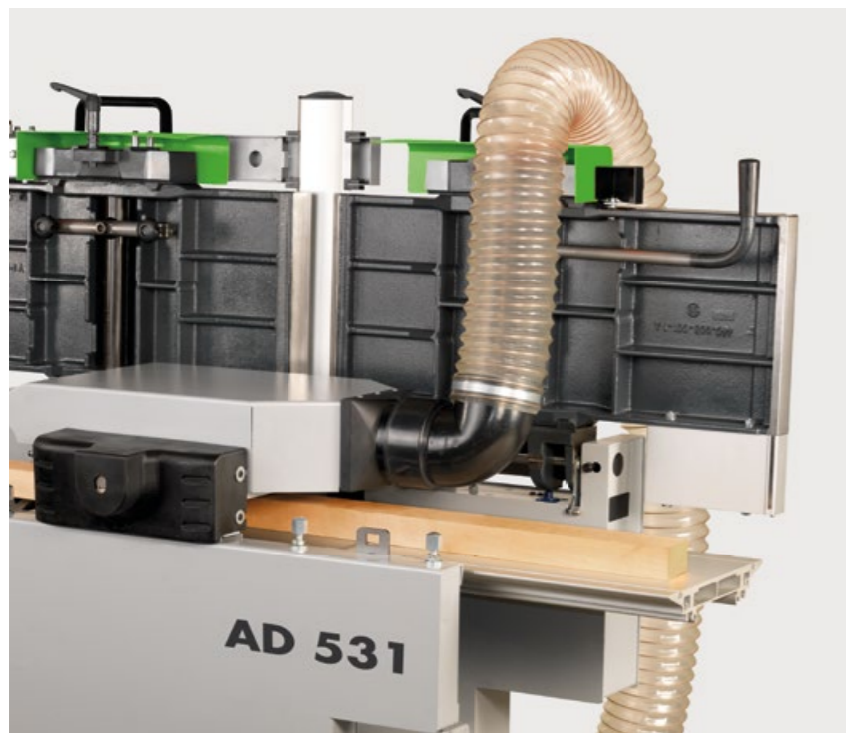
thickness planer

Thickening table adjustment accurate to within a tenth of a millimetre with handwheel and integrated digital display. Max. thickening height 220 mm.



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 ensure a perfect workpiece transport. Both steel rollers are large dimensioned and non-wearing.



Felder table extensions

Using the tried and tested FELDER table extensions it is quick and easy to extend your planing table by up to 1.000 mm without the use of tools.



The Horizontal Mortiser

The mortising unit is mounted to the planer side. On request, the mortising unit can be ordered with a transport unit which allows easy mounting and removal of the mortiser.

Technical specifications

Electrics		AD 531
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	O
003	1x 230 V, 4.0 HP (3.0 kW)	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	O
006	4.0 HP (3.0 kW)	S
007	5.5 PS (4.0 kW)	O
28	Additional emergency stop	O

Cutterblock		
30	Planing width in mm	310
33	Planer fence guide 1.150 mm andonised	S
34	Additional table for planer fence	S
36	Standard EURO planer guard	S
37	Comfort EURO planer guard	O
38	2-knife Felder-system cutter-block	S
39	4 knife Felder-system cutter-block	O
44	Silent-Power spiral cutterblock	O
-	Number of knives – Silent-Power spiral cutterblock	47

Thicknesser and feed gears;		
50	Thicknessing width in mm	306
51	Digital display of the thicknessing height in mm	O
52	Digital display of the thicknessing height in inches	O
56	Synchronous feed speed 24 ft/min (6 m/min)	S
-	Min. workpiece length in mm	190
-	Max. depth of cut (mm)	5

Mortising unit		
189	Mortising table	O
190	Bore support, heavy-duty professional version	O
191	Mortising chuck clamping range 0-16 mm	O
194	Rolling carriage for heavy professional bore support (#190)	O

General		AD 531
-	Thicknesser extraction connection-Ø in mm	120
-	Working height in mm	890
-	Weight kg (with standard configuration)	400
-	Min. transport width in mm	700

Important accessories		
210	Rolling carriage	O
211	Coupling system for table extension (thicknessing table or spindle moulder table 1 pc.)	O
223	IPPC palette	O

Transport		
221	Container transport preparation	O

Product range

Sliding Table
Panel Saws



Spindle Moulders



Saw-Shapers



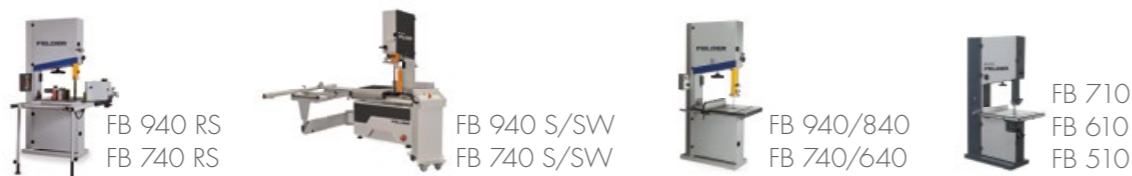
Planers



Combination
machines



Bandsaws



Dowel Boring Machi-
ne, 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®

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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