

FELDER®

AD 741

TRIED AND TESTED
QUALITY IN A
NEW DESIGN



FELDER®



AD 741

FELDER

AD 741

Proven quality
in a new design



Solid wood



The tried and tested planer thicknesser from the Felder 700 series has been recognised for its excellent planing results and continuous reliability for years. In the new design, the AD 741 offers an unbeatable price/performance ratio and is a perfect entry level model into professional woodworking. Like all planer thicknesser from Felder, the AD 741 can be equipped with the revolutionary Silent-Power® Spiral Blade Cutterblock and guarantees optimum working conditions by halving the noise level.



AD 741

- » Simple, synchronised opening of the solid planing tables
- » The optimised jointing fence design ensures the smallest possible space requirement
- » Thicknesser table adjustment accurate to a tenth of a millimetre with digital display
- » Optional „Power-Drive“ package for electronic control
- » Easy to read, the depth of cut scale is perfectly integrated into the machine chassis
- » 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

- » 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 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 the revolutionary new Format4 design, you are guaranteed all the benefits of a spiral cutterblock while keeping operating, investment and set-up costs to a minimum.



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



FELDER Highlight

Open planer table

Fastest changeover from planing to thicknessing through simultaneous, spring-assisted opening of the planer tables

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.



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



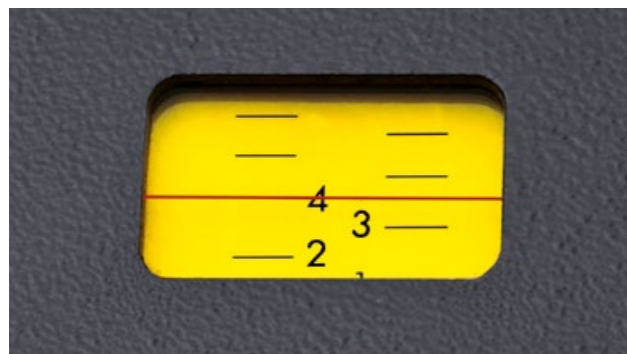
Standard EURO planer guard

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



Felder table extensions

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



Adjustment of the depth of cut

The depth of cut can be adjusted and set at any position up to 4 mm. The magnifying glass guarantees exact reading of the scale.



Perfect planing technology

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



FELDER

Details | 9

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.



2 stage gear

Thicknessing feed speeds with 6 and 12 m/min are easily selectable. As an option, the machine can be equipped with a reversing controller. To control the dust extractor system, connect it to a potential-free contact. This option automatically turns on your dust extractor.



Dust extraction hood

Heavy chip loads are no problem for the chip extraction hood due to its efficient design and large dimension.



Thicknesser height adjustment

Thicknessing table adjustment accurate to within a tenth of a millimetre with handwheel and integrated digital display. Max. thicknessing height 230 mm.



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



Open planer table

Fastest changeover from planing to thicknessing through simultaneous, spring-assisted opening of the planer tables



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.



Silent-Power® saw blades and much more available in our Felder Group online shop

Technical specifications

Electrics		AD 741
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	W
003	1x 230 V, 4.0 HP (3.0 kW)	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	W
006	4.0 HP (3.0 kW)	S
007	5.5 PS (4.0 kW)	O
008	5.5 HP (4.0 kW)	O
009	10.0 PS (7.35 kW)	O
10	Star-delta start is necessary from 7.5 HP and 3x230V	O
11	Switch for forward and reverse run	O
12	Switch contact for the control of an extractor	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	410
32	Planer fence with anodised fence plate 1.100 x 150 mm	S
34	Planer fence with anodised fence plate 1.300 x 170 mm incl. tiltable auxiliary fence for narrow workpieces	O
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
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
-	Overall planer table length in mm	2.000
-	Number of knives – Silent-Power spiral cutterblock	63
-	Tischlänge zuführender Abrichttisch in mm	980

Thicknesser and feed gears		
50	Thicknessing width in mm	404
51	Digital display of the thicknessing height in mm	S
52	Digital display of the thicknessing height in inches	O
53	Electrical height adjustment and digital display on the thicknessing table ("Power-Drive" D1)	O
56	2-speed synchronised feed 6 m + 12 m/min	S
-	Min.-max. thicknessing height in mm	3-230
-	Min. workpiece length in mm	190
-	Max. depth of cut (mm)	4

Mortising unit		AD 741
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		
-	Thicknesser extraction connection-Ø in mm	120
-	Working height in mm	890
-	Weight kg (with standard configuration)	500
-	Min. transport width in mm	800

Important accessories		
210	Rolling carriage	O
211	Table extension coupling system for planer tables 410 mm	O
221	Transport preparation for overseas transport	O
223	IPPC palette	O

Product range

Sliding Table Panel Saws



Spindle Moulders



Saw-Shapers



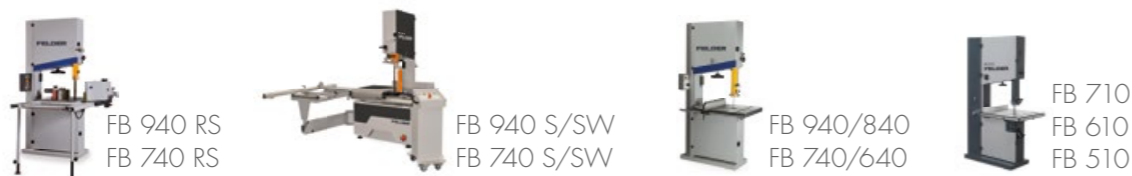
Planers



Combination machines



Bandsaws



Dowel Boring Machine, Drilling Machine and Horizontal Mortiser



Wide Belt Sanding Machines



Brushing Machine



Belt and Edge Sanders



Edgebanders



Extraction Units & Briquetting Presses



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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