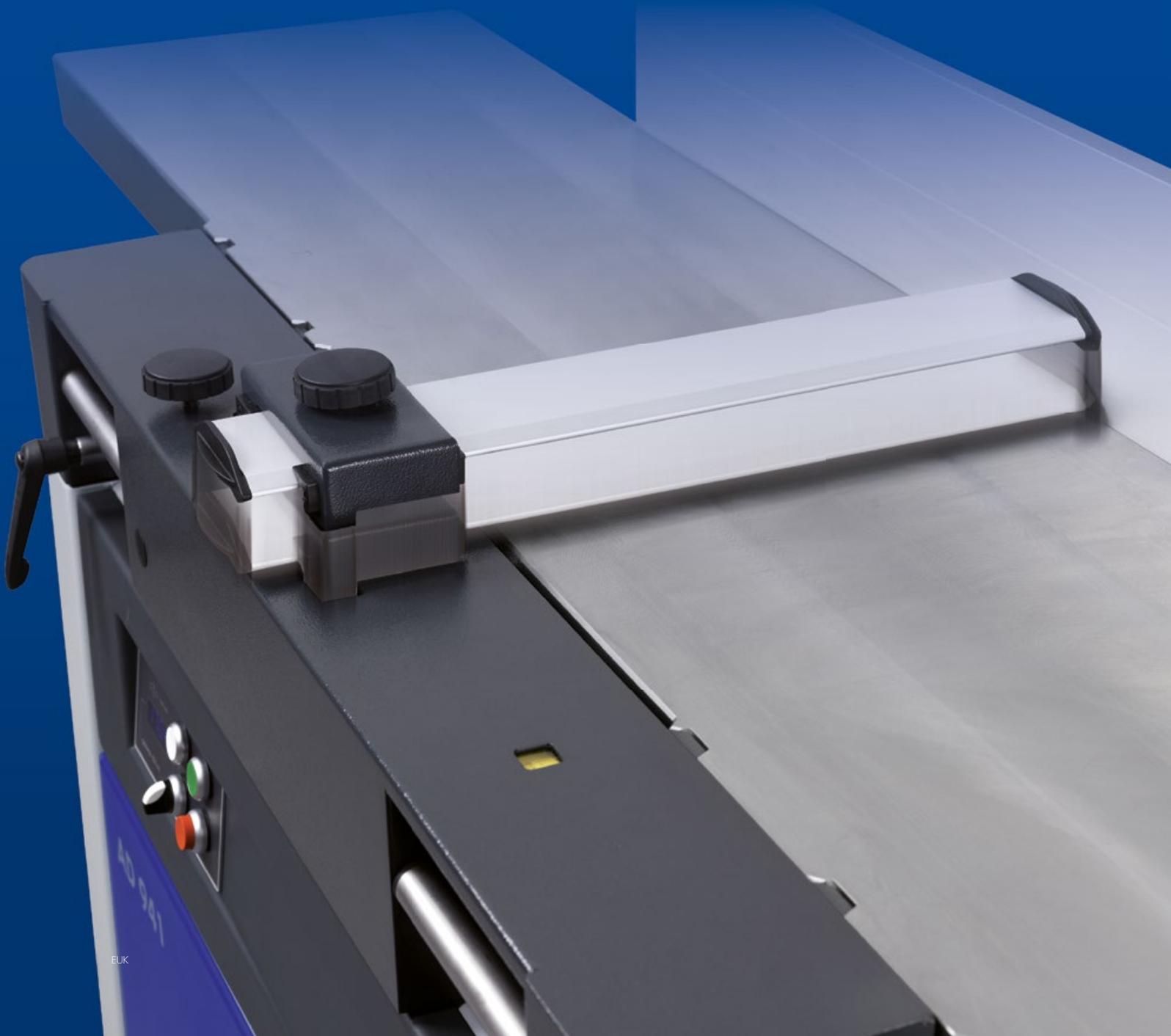


**FELDER®**

**AD 941**  
TOP CLASS  
OPERATING COMFORT



**FELDER®**



**AD 941**

**FELDER**

# AD 941

## Top class operating comfort



With technologically advanced detailed solutions, innovative operating concepts and a clear machine design, the A 941 surface planer and the AD 941 planer thicknesser will impress woodworkers from all over the world. Perfectly planed surfaces, maximum reliability and user-friendliness that is in a class of its own and top operating safety – the planers from Austria meet all the requirements of perfect woodworking.



### AD 941

- » Spring-supported, synchronous opening of the two planing tables
- » The optimised planing fence design ensures the smallest possible space requirement
- » The new Felder planer fence: Highest operational safety with the best operating comfort
- » Easy to read, the depth of cut scale is perfectly integrated into the machine chassis
- » On request: „Power-Drive“ control of the thicknesser – accurate to a tenth of a millimetre at the push of a button
- » Ready for the heaviest loads: 4-column thicknessing guide
- » 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 planer results. The new Felder AD 941 can be customised and adapted to your specific needs.



## 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.

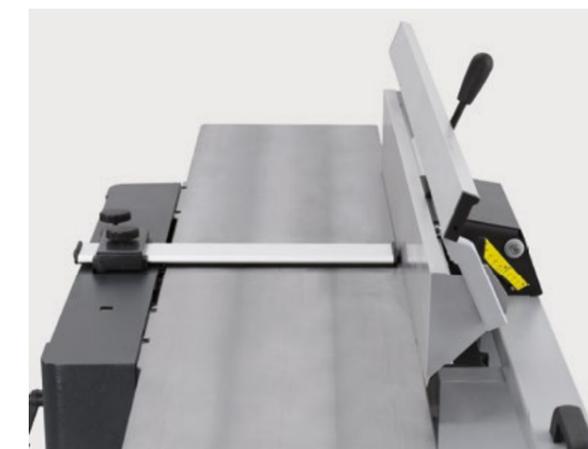
# FELDER®

## 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.



## 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.



## 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.



**FELDER planer guard**

Maximum operational safety and maximum user comfort. The space saving planer guard integrated into the machine chassis also stabilises the workpiece when planing and bevelling.



**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 joining operations.



**FELDER®**

**Silent-Power®**  
The quiet cutterblock



**Felder table extensions**

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



**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.



**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 cutthanks 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.



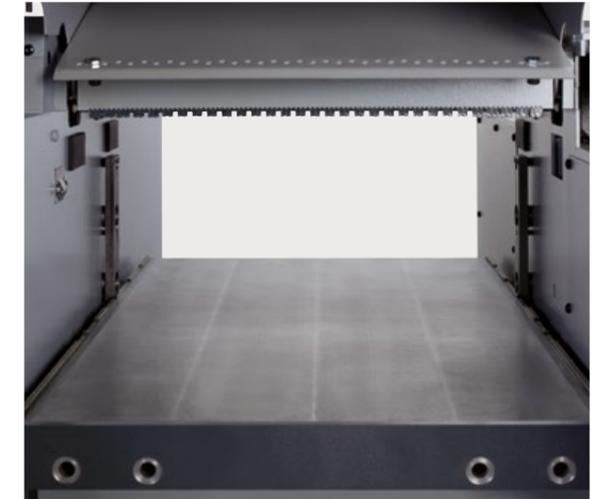
**Felder changeover comfort**

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



**Depth of cut quick adjustment**

With the new ergonomically shaped depth of cut adjustment handle, you can adjust the depth of cut quickly and precisely.



**Planing height**

With the amply dimensioned planing height of up to 250 mm, even processing large solid wood trusses is simple and effort free.



**Perfect planing technology**

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



**2 stage gear**

Thicknessing feed speeds with 6 and 12 m/min are easily selectable.



**A clean solution**

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



**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

## Technical specifications

Electrics		AD 941
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	W
003	1x 230 V, 4.0 HP (3.0 kW)	○
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)	○
008	5.5 HP (4.0 kW)	○
009	10.0 PS (7.35 kW)	○
10	Star-delta start is necessary from 7.5 HP and 3x230V	○
12	Switch contact for the control of an extractor	○
14	3-phase CEE coupling for additional equipment with time-delayed connection (essential for the use of a power feeder)	○

Cutterblock		
30	Planing width in mm	410
34	Swivelling auxiliary fence for narrow workpieces	○
36	Standard EURO planer guard	S
37	Comfort EURO planer guard	○
38	2-knife Felder-system cutter-block	S
39	4 knife Felder-system cutter-block	○
40	4 knife Standard cutter-block using traditional single sided planer knives	○
41	3-knife TERSA cutter-block	○
44	Silent-Power spiral cutterblock	○
-	Planer fence with fence plate 1.300 x 170 mm;	S
-	Overall planer table length in mm	2.200
-	Number of knives – Silent-Power spiral cutterblock	63
-	Infeed planer table length in mm	1.080

Thickneser 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	○
53	Electrical height adjustment and digital display on the thicknessing table ("Power-Drive" D1)	○
56	2-speed synchronised feed 6 m + 12 m/min	S
-	Min.-max. thicknessing height in mm	3–250
-	Max. depth of cut (mm)	5

General		AD 941
-	Thickneser extraction connection-Ø in mm	120
-	Working height in mm	890
-	Weight kg (with standard configuration)	610
-	Min. transport width in mm	800

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

**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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