# SERIE 5 O O THE NEW

... for the discerning woodworker!



#### State-of-the-art technology at yesterday's prices!

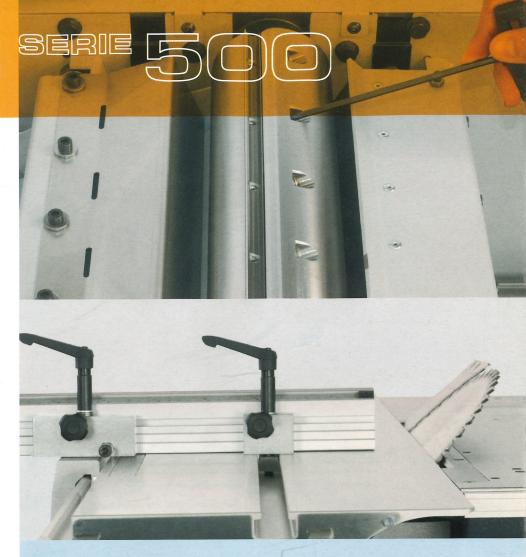
The new Series 500 opens a new chapter in the Felder success story.

Just in time for the 50th jubilee, the new 500 Series seamlessly joins the Felder success story. The machines of the Series 500 feature a dynamic design and the legendary Felder quality, giving them an excellent price/performance ratio.

#### "The real Mc Coy"

Just like the well-established Felder Series 700 and 900, the new, "smaller" Series 500 features the same unique Felder standards such as the panel sliding table with the "X-ROLL" linear guiding system, the precisely adjustable fences and the cutterblock system with the self-adjusting planing knives. The new lineup comprises five different models: table saw, tilting spindle moulder, saw-spindle moulder, combination planer-thicknesser, and full combination woodworking system. Besides the tried-and-tested key components out of the Felder modular technology kit, there is also a number of professional accessory packages - popular because they improve performance – available for the Series 500 machines at a manufacturer's discounted price.

Take a look now and secure a new Felder Series 500 at a special introductory price!



## CF 531 Combination woodworking system

Unrivalled value for your money

It's amazing how many ingeniously designed components have been packed into this machine – and all for an unbelievably low price. The CF 531 system gives you top machine quality, exceptional performance and unconditional precision while occupying only relatively little space.

Boasting rapid retooling capability and utmost user-friendliness, the CF 531 allows you to easily perform professional planing and thicknessing, shaping, sizing and, if desired, mortising work.

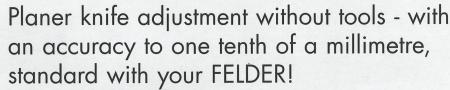
Planer table length 1500 mm, planing width 310 mm, tiltable table saw 90°-45°, 2- or 4-knife Felder-system cutterblock, moulder fence with high-grade anodised aluminium guides, and the aluminium sliding table with its precision guiding system "X-Roll" – these are just a few of the components that make this machine something really special.

## CF 531



#### SERIE



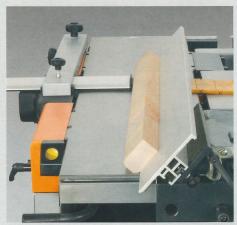




The felder-system cutterblock

- 2 or 4 knife cutterblock
- Carry out a knife change in less than 2 minutes
- The self aligning knives, mean perfectly set knives each and every time
- No resinous residuals on clamping bolts
- Eextremely quiet operation due to the enclosed design
- Excellent durability of knife edges
- Cost saving, thanks to the low price of planer blades

#### Perfect planing technology-suitable load distribution!







The planer fence may be tilted to any degree between 90° to 45°. There are end stops in the positions of 90° and 45°.



A space saving solution with optimum ergonomics: Planer tables tilt away from the user operating area, this ensures working with your Felder is as userfriendly as possible and also requires less workshop space.

The horizontal mortiser is mounted on the planer side. The mortiser carriage may have a dowelling device or not, depending on what you require.

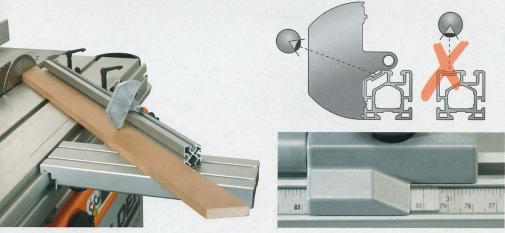




## **CF** 531

# Precision sliding table – with "X-ROLL" Guiding system

Extremely smooth and precise sliding action! With the roller-bearing system there is no single point of contact between bearings and guiding track, maximising precision over the lifetime of the machine. A 3-way dust protection system ensures clean, dust free guide rails obtained by silicon wipers, brushes and concave tracks. Your "X-ROLL" sliding table guidance system is backed by a 6 year factory guarantee.



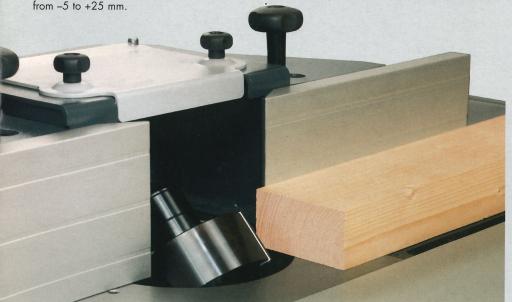
The Cross-cut fence 1300 mm for crosscuts between  $+45^\circ$  and  $-45^\circ$ . The fence can be attached to the sliding table without the use of tools. The end stop provides you with the exact 90° position. The scale on the crosscut fence is bevelled towards the operator, this is to assist you when setting the crosscut-stop position improving accuracy by preventing readout errors. The crosscut-stop position-indicator is perfectly integrated into the body of the crosscut-stop.



The double mitre system on the outrigger table with telescopic stop 2600 mm is standard for professional type machines.

#### The Spindle Unit: Precision down to the smallest detail.

The heavy, double sided cast iron suspension of the spindle moulder unit provides stability and superb quiet running. Spindle fence 220 for tools up to max. Ø 220 mm. Anodised spindle fences, of which the outfeed fence can be adjusted



Professional Equipment: Spindle fence 240 for max. tooling diameter 230 mm, MULTI adjustment for spindle fence 240 enabling parallel running and quick setup.





#### **AD 531** Planer-Thicknesser

Sophisticated features and details.

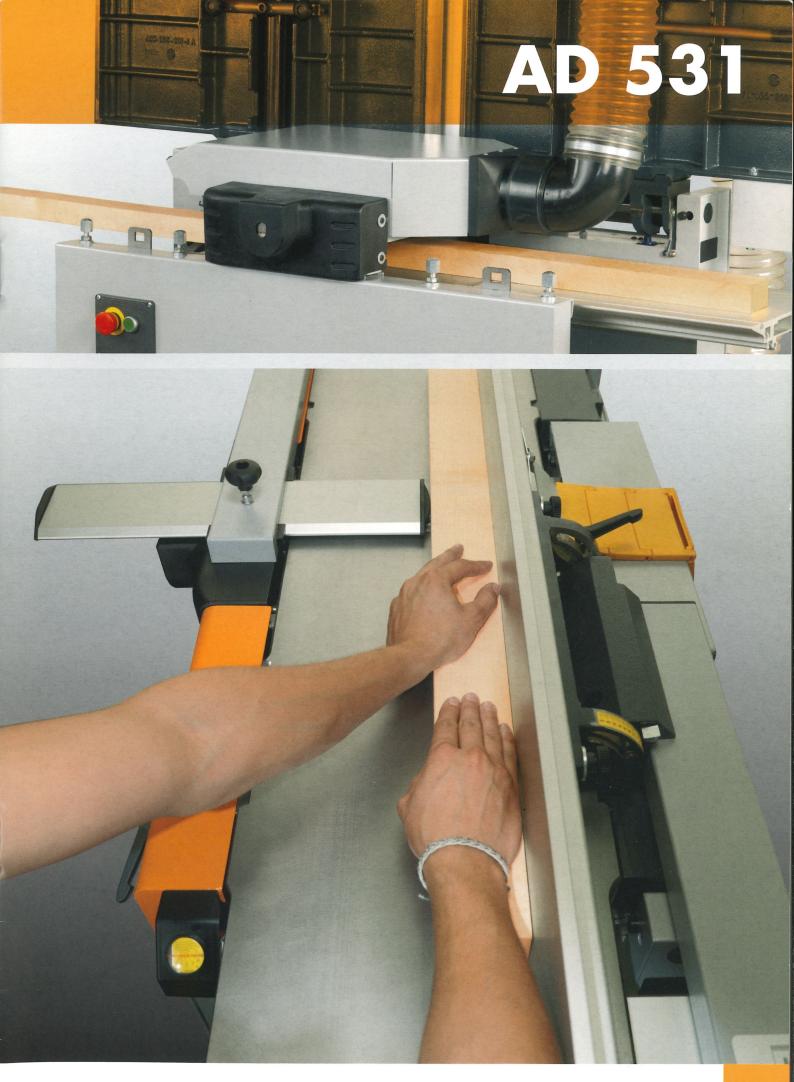
In this price class it is impossible to find a product that is more machine!

The AD 531 planer-thicknesser is an integral part of the new Series 500 line-up. Woodworkers hearts never fail to leap when recognizing the combination of exeptional engineering and functional modern design working together in harmony with one another.

The professional planer fence, the robust planer tables made of cast iron, and the 2-knife Feldersystem cutterblock (4-knife Felder-system cutterblock optional) are sure to fascinate every woodworking enthusiast.



- → Motor power 4.0 HP (5.5 HP)
- → Surface planer width 310 mm
- → Planer table length 1500 mm
- → Professional planing fence
- 2 knife Felder-system cutterblock
- → Thickness height 4–220 mm
- → Solid cast iron tables



## SERIE 500

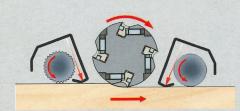
Planer knife adjustment without tools - with an accuracy to one tenth of a millimetre, standard

The felder-system cutterblock:

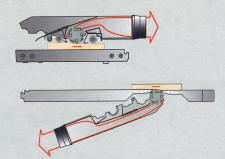
- 2 or 4 knife cutterblock
- Carry out a knife change in less than 2 minutes
- The self aligning knives, mean perfectly set knives each and every time
- No resinous residuals on clamping bolts
- extreme Laufruhe durch Formschluss
- Excellent durability of knife edges
- Cost saving, thanks to the low price of planer blades



#### Perfect Technology!

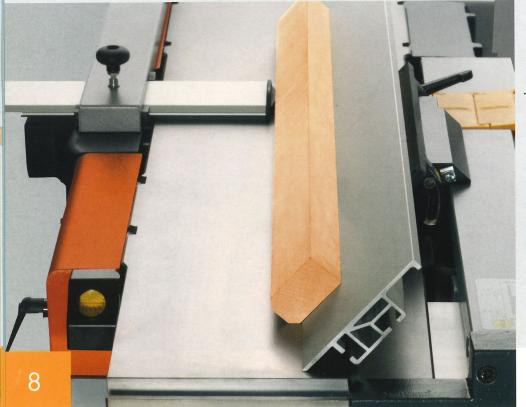


2 spring loaded pressure bars prevent "fluttering" of very thin workpieces during thicknessing.

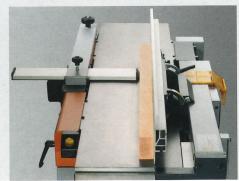


Dust extraction hood.
Due to its extremely good design and large dimension, the chip extraction hood is very efficient.

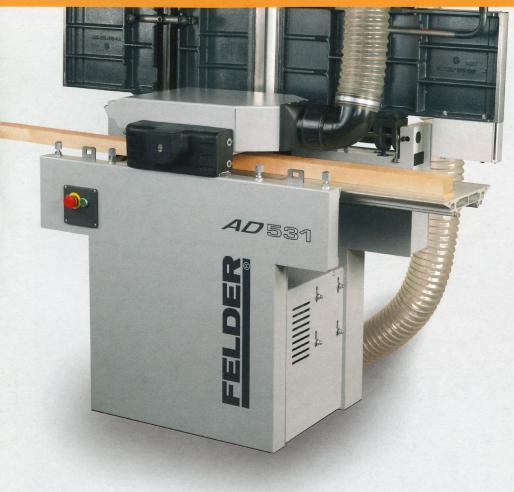




The planer fence may be tilted to any degree between 90° to  $45^\circ$ . There are end stops in the positions of 90° and  $45^\circ$ .



# **AD 531**



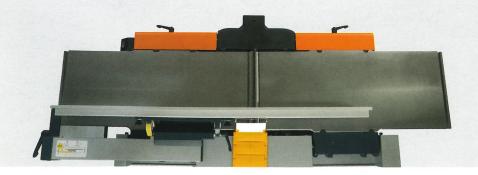
#### Thicknessing

The maximum thicknessing height of 220 mm permits the processing of large and heavy work-pieces. If desired, the digital handwheel can be used to adjust the height of the thicknessing table with an accuracy of 1/10 of a millimeter.



The horizontal mortiser is mounted on the planer side. The mortiser carriage may have a dowelling device or not, depending on what you require.

The exceptional space-saving design of the planer fence makes it possible to place your surface – thickness planer directly against the workshop wall and still use the full planing width.

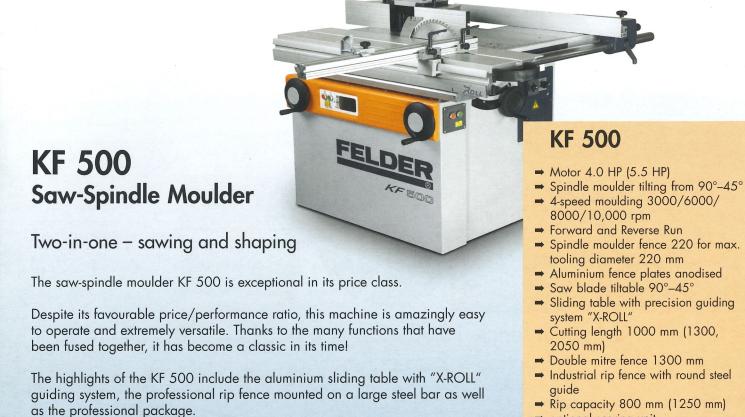


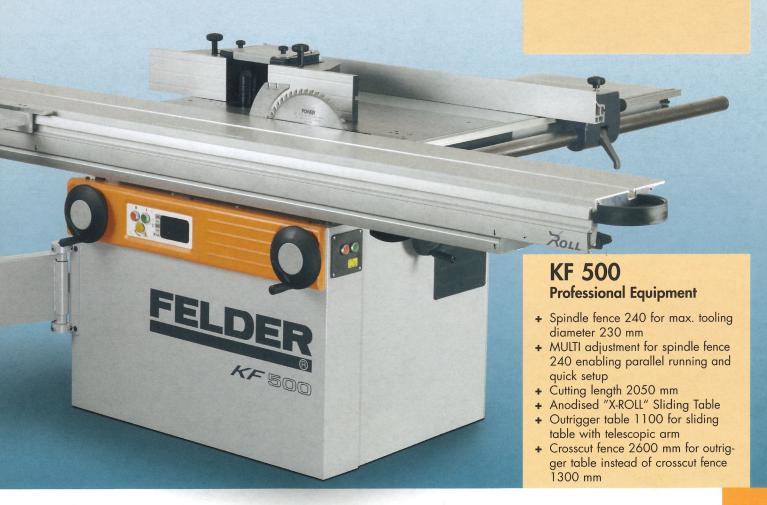




## **KF 500**

optional scoring unit





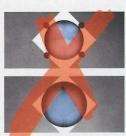
#### SERIE |



# Precision sliding table – With "X-ROLL" Guiding system This is what makes the difference: - Extremely smooth running and durable guiding system! Due to the use of roller bearings there is no "single point of contact" between bearing and guide track. - "Dust resistant" the construction of the guiding system

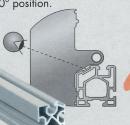
ensures dust free, clean guiding.
- Hardened and ground-bearing tracks.





## The Cross-cut fence 1300 mm Perfect construction – Perfect function!

The Cross-cut fence 1300 mm for crosscuts between +45° and -45°. The fence can be attached to the sliding table without the use of tools. The end stop provides you with the exact 90° position.







The scale on the crosscut fence is bevelled towards the operator, this is to assist you when setting the crosscut-stop position improving accuracy by preventing readout errors. The crosscut-stop position-indicator is perfectly integrated into the body of the crosscut-stop.

The double mitre system on the outrigger table with telescopic stop 2600 mm is standard for professional type machines.

#### The rip fence

The single handed adjustment system ensures quick and accurate setting of the rip fence. A fine adjustment facility is included.

The rip capacity amounts to 800 mm or optionally 1250 mm. The easy to read rip scale is perfectly intergrated into the saw table. The aluminium rip fence plate can be moved backwards to optimise the feed of workpieces.



## **KF 500**



Professional Equipment: Spindle fence 240 for max. tooling diameter 230 mm, MULTI adjustment for spindle fence 240 enabling parallel running and quick setup

#### Massive spindle unit, tiltable 90°-45°

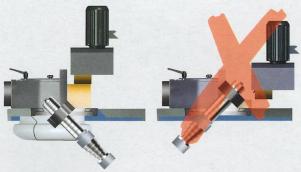
The heavy, double sided cast iron suspension of the spindle moulder unit provides stability and superbly quiet running. Spindle fence 220 for tools up to max. Ø 220 mm. Anodised spindle fences, of which the outfeed fence can be adjusted from −5 to +25 mm.

#### With your Felder the spindle tilts "rearwards", for the following reasons:

- Safe operation
- suitable for any workpiece size
- power feeders may be used without access problems.
- impeccably machined surface
- optimal chip removal

### Forward tilting of the spindle moulder is dangerous and has serious handling disadvantages:

- increased risk of accidents
- limited height of workpiece
- power feeders can not be used
- poor machined surface
- chip removal, bad or even impossible



#### Tenoning and slotting

The heavy duty Felder spindle unit ensures high precision when moulding and tennoning with heavy tooling.



The Felder device for tilting the feeder away means the power feeder always remains on the machine and can be used at any moment without problems.





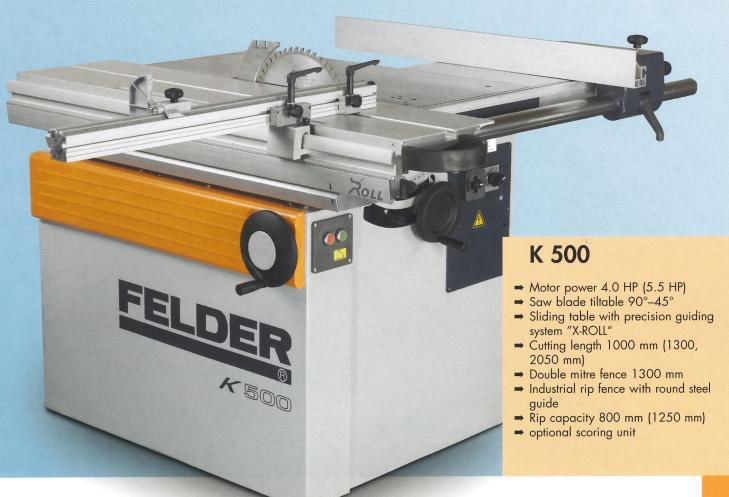
## FELDER SERIE 500





## K 500







#### "X-ROLL": A Masterpiece of Engineering The ultimate in precision and guiding smoothness

This precision guiding system will accept maximum loads without compromising the smooth and accurate stroke of the sliding table. The X configuration of the roller bearings optimally distributes work-piece weight to all sides. With a roller bearing system the full width of the bearing is in contact with the guiding track. With no single point of contact between the bearing and the guiding track as found on conventional ball bearing systems, the roller bearing will never wear a groove into the guiding track. This ensures play-free guiding for the lifetime of the machine. The "X-ROLL" system is backed with a 6 year factory warranty.

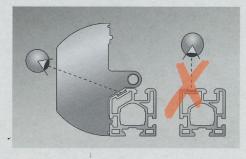
This is what makes the difference:

- Extremely smooth running and durable guiding system! Due to the use of roller bearings there is no "single point of contact" between bearing and guide track.
- "Dust resistant" the 3 way dust protection system ensures dust free, clean guiding.
- Hardened and ground-bearing tracks.

#### The Cross-cut fence 1300 mm Perfect construction - Perfect function!









The Cross-cut fence 1300 mm for crosscuts between +45° and -45°. The fence can be attached to the sliding table without the use of tools. The end stop provides you with the exact 90° position.

The scale on the crosscut fence is bevelled towards the operator, this is to assist you when setting the crosscut-stop position improving accuracy by preventing readout errors. The crosscutstop position-indicator is perfectly integrated into the body of the crosscut-stop.

## K 500



The single handed adjustment system ensures quick and accurate setting of the rip fence. A fine adjustment facility is included.

The rip capacity amounts to 800 mm or optionally 1250 mm. The easy to read rip scale is perfectly intergrated into the saw table. The aluminium rip fence plate can be moved backwards to optimise the feed of workpieces.

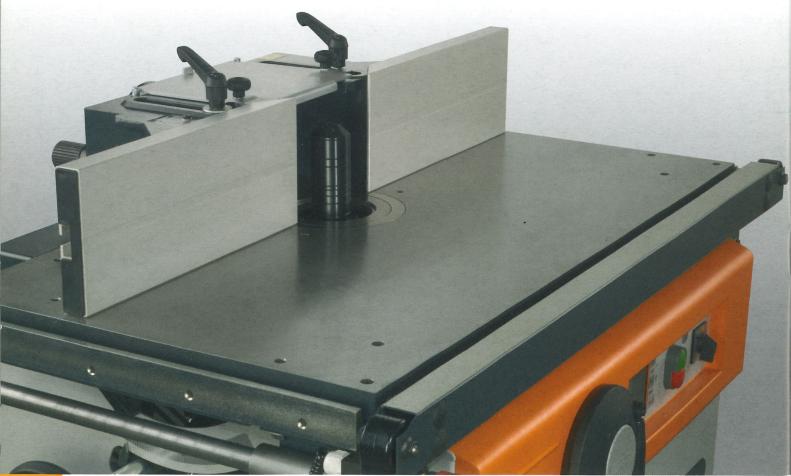


#### Precision mitre index system: Accuracy of angles to a degree



## FELDER SERIE 500





## F 500

#### F 500 Tilting Spindle Moulder

#### Quality that's affordable

The Felder tilting spindle moulder offers you extraordinary performance and optimal ease of use at a very low price; in other words, this Felder moulder provides quality that is unmatched in this price class!

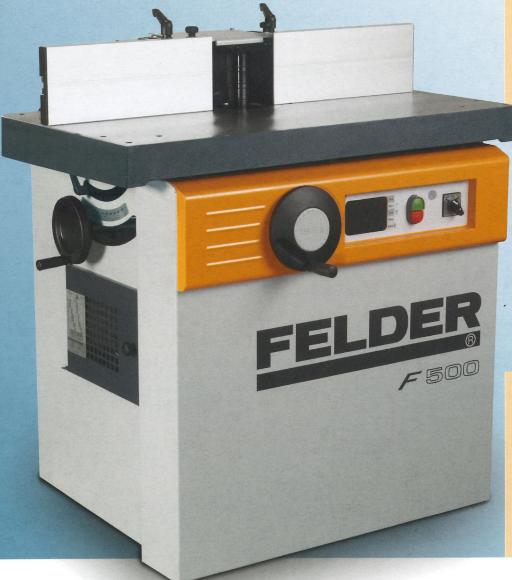
The F 500 scores points in all disciplines: a moulder fence that measures 220, a moulder spindle that tilts  $90^{\circ}$ – $45^{\circ}$  and the capability to switch quickly among the 4 speed settings.

These are features that impress even the most discerning woodworker.



#### F 500

- → Motor power 4.0 HP (5.5 HP)
- → Spindle moulder tilting from 90°-45°
- → 4-speed moulding 3000/6000/ 8000/10,000 rpm
- → Spindle moulder fence 220 for max. tooling diameter 220 mm
- → Aluminium fence plates anodised
- → Solid cast iron tables and units



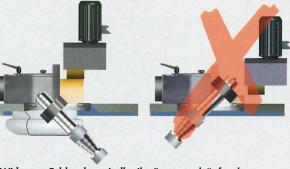
#### F 500 Professional Equipment

- + Motor power 5.5 HP
- + Forward and Reverse Run
- + Spindle fence 240 for max. tooling diameter 230 mm
- MULTI adjustment for spindle fence 240 enabling parallel running and quick setup

#### The Spindle Unit: Precision down to the smallest detail.

The heavy, double sided cast iron suspension of the spindle moulder unit provides stability and superb quiet running. Spindle fence 220 for tools up to max. Ø 220 mm. Anodised spindle fences, of which the outfeed fence can be adjusted from -5 to +25 mm.





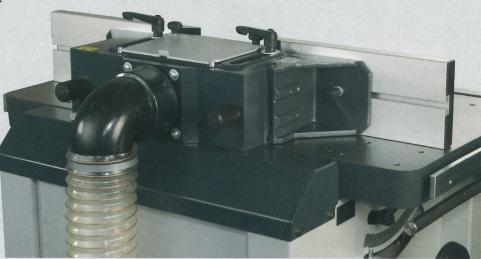
With your Felder the spindle tilts "rearwards", for the following reasons:

- Safe operationsuitable for any workpiece size
- power feeders may be used without access problems.
- impeccably machined surface
- optimal chip removal

#### Professional Equipment

Spindle fence 240 for max. tooling diameter 230 mm, MULTI adjustment for spindle fence 240 enabling parallel running and quick set-up



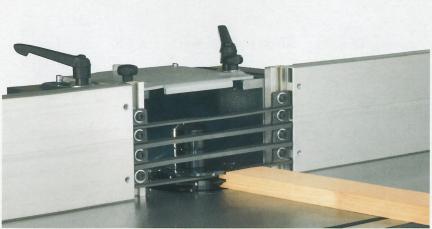


#### Spindle Moulder Fence "240"

The "240" fence will accept cutterblocks up to 230 mm dia. The smooth inside profile of the fence ensures optimum dust extraction. The outfeed fence plate is easily adjustable to compensate for any stock removal which reduces the overall width of the work piece. Together with the MULTI-fine adjustment feature, the "240" fence is a highly engineered piece of equipment, quick to set-up and very easy to make accurate fine adjustments. Max. tool  $\varnothing$  230 mm, max. tool height over table 100 mm,  $\varnothing$ of extraction fitting 120 mm, "BG-dust tested".

> The Outfeed Fence Plate can be adjusted with a handwheel according to a scale -5 to +25 mm.

## F 500



The safety bar guides, great for "end-grain" work (optional).



#### Table extension frame





Standard: Spindle moulder-Ø 30 mm for standard moulding tools.

Optional – instead of the spindle moulder-Ø 30 mm: High speed spindle for router bits with 14,000 rpm (must be orderd before machine is produced).

## FELDER SERIE 500



		CF 531	AD 531	KF 500	K 500	F 500
POS	Electrics					
001	3x 400 V motor voltage	S	S	S	S	S
003	1x 230 V motor voltage	0	0	0	0	0
004	50 Hz motor frequency	S	S	S	S	S
006	4,0 HP (3,0 kW)*	S	S	S	S	S
007	5,5 HP (4,0 kW)*	0	0	0	0	0
011	Switch for forward and reverse run	S		S		0
012	Cable connections to disconnect switch board or separate machine	0				
	Surface Planer and Cutterblock					
030	Surface plaining width in mm	310	310			
033	Surface planer fence anodised	S	S			
034	Additional table for planer fence	S	S			
036	Planer guard EURO "Standard"	S	S			
037	Planer guard EURO "Comfort"	0	0			
038	2-knife Felder-system cutterblock	S	S			
039	4-knife Felder-system cutterblock	0	0			
040	4-knife Standard-knife cutterblock	0	0			
041	3-knife TERSA cutterblock	0	0	-		
	Thicknessplaner and Feed Drive					
050	Thickness planing width in mm	306	306			
051	Digital display for thicknessing height in mm	0	0			-
052	Digital display for thicknessing height in inch	0	0			
056	Synchronized feeder drive 6 m/min.	S	S			
	Saw and Scoring Unit					
070	Saw unit with blade tilt 90°–45°, cutting height max. 102 mm	S		S	S	
084	Micro adjustable rip and planer fence	S		0	0	
082	Preparation for Dado tooling up to 19.5 mm width	0		0	0	
074	Mechanical scoring unit, scoring blade dia. 80 mm	0		0	0	
078	Rip capacity 800 mm			S	S	
076	Cutting width 800 mm with full table	S		0	0	
077	Rip capacity 800 mm			0	0	
085	Digital display for rip fence			0	0	
	Spindle Moulder Unit and Spindle Fence				1.	
109	Spindle moulder tilt 90°-45°, scale	S		S		S
	Speed 3000/6000/8000/10.000 rpm	S		S		S
	Table opening in mm	180		180	<u>.</u>	180
104	Moulder spindle dia. 30 mm, usable height 100 mm	S		S		S
	Router spindle 14,000 rpm instead of dia. 30 mm	0		0		0
	Spindle moulder fence 220 for max. tooling diameter 220 mm, fence plates 350 mm	S		S		S
112	Spindle moulder fence 240 for max. tooling diameter 230 mm, fence plates 450 mm	0		0		0
	EURO – Spindle moulder guard	S		S		S
	MULTI adjustment for spindle fence 240 (only in combination with option 112)	0		0		0
	Aluminium spindle fence plates anodised	S		S		S
	Spindle fence plates anodised with "safety bar guides" (only in combination with option 112)	0		0		0

		CF 531	AD 531	KF 500	K 500	F 500
118	Table extension frame for F 500 table					0
	Sliding Tables					
130	Dimension sliding table K, cutting length 1000 mm**	S		S	S	
131	Dimension sliding table M, cutting length 1300 mm**	0		0	0	
132	Dimension sliding table L, cutting length 2050 mm**	0		0	0	
133	Dimension sliding table F, cutting length 2500 mm, anodised	0				
136	Dimension sliding table anodised	0		0	0	
	Outrigger Tables and Crosscut Fences					
160	Outrigger table 1100 with telescopic arm (up to cutting length 2050 mm)	0		0	0	
161	Outrigger table 1300 with telescopic arm (up to cutting length 2500 mm)	0		0	0	-
164	Crosscut fence 1300 mm for all sliding tables	S		S	S	
165	Telescopic extension for crosscut fence 1300 mm to 2050 mm	0		0	0	
166	Crosscut fence 2600 mm for outrigger table	0		0	0	
168	Crosscut fence 2600 mm for outrigger table instead of crosscut fence 1300 mm	0	-	0	0	
170	Precision mitre unit with pin locating system for outrigger table crosscut fence	0	-	0	0	
	Mortising Unit					
191	Mortising chuck, clamping range 0–16 mm	0	0			
189	Mortising table	0	0		-	
190	Mortising table, heavy professional execution	0	0	-		
194	Transport unit for mortising table heavy (only with Pos. 190)	0	0		-	
	Important Accessories					
210	Rolling carriage	0	0	0	0	0
212	Tilting bracket for power feed	0		0	0	
211	Coupling system for table extension (Thicknessing or spindle moulder table, 1 pcs)	0	0		-	0
221	Preparation for Container Transport	W	W	W	W	W

Professional Equipment Save with the Professional-equipment!	CF 531 Professional	KF 500 Professional	K 500 Professional
7 5.5 HP (4.0 kW)*			
1 Switch for forward and reverse run			
12 Spindle moulder fence 240 for max. tooling diameter 230 mm, fence plates 450 mm	Р	P	
13 MULTI adjustment for spindle fence 240 (only in combination with option 112)	P	- P	
32 Dimension sliding table L, cutting length 2050 mm**	P	Р	P
36 Dimension sliding table anodised	P	P	Р
Outrigger table 1100 with telescopic arm (up to cutting length 2050 mm)	P	Р	P
68 Crosscut fence 2600 mm for outrigger table instead of crosscut fence 1300 mm	Р	Р	Р

\* Power rating S6/40 %

\*\* Cutting length with outrigger at max. cutting height
S Standard equipment
W Optional equipment at no extra cost

Not available
P Professional Standard equipment



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