

Hammer®



F3

Maximum user comfort!

The tilting spindle moulder with incredible performance and ease of use!



Solid wood



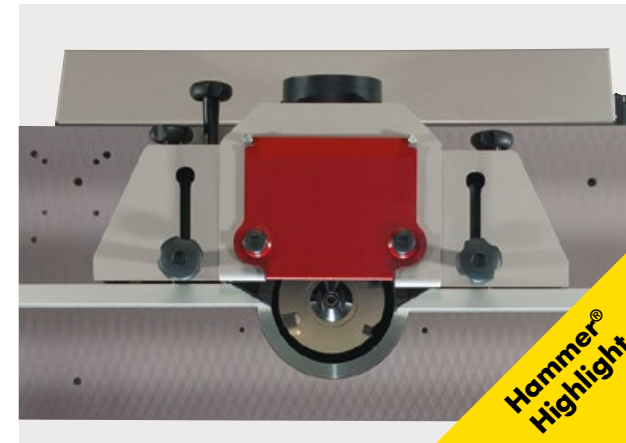
Panel material



The quick change between the 4 rotating speeds, the precise and time-saving adjustments, the professional spindle fence, the tilting spindle and the integrated slot and tenoning table: in addition to a precise machine construction, the F3 also offers a machine concept for the highest demands at the lowest price!

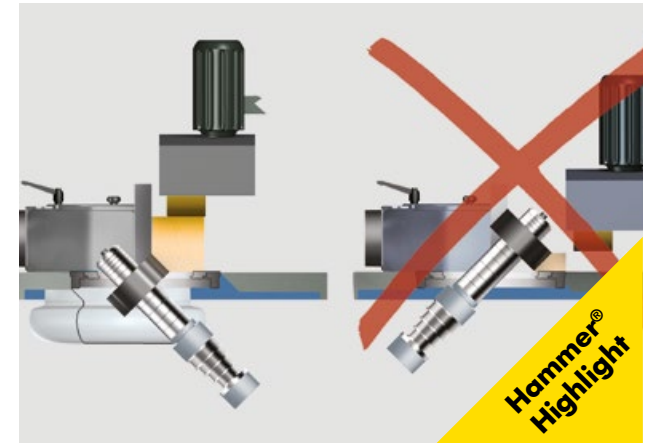
Hammer®

The most important highlights at a glance



The Hammer spindle table, made from solid cast iron

Totally vibration-free and therefore reliably precise when sawing and moulding - the saw/spindle table made from solid cast iron has strong ribbing and is completely torsion-resistant. The table opening of 180 mm diameter makes it possible to use large diameter tools below the table surface level. Predrilled tapped mounting holes make it possible to quickly equip the machine with a power feeder.



The Felder rearward tilting Spindle is the correct way for easy and safe operation:

- » Working safely
- » Suitable for any workpiece size
- » Problem-free power feeder application
- » Impeccable workpiece finish
- » Optimal chip removal



MF Spindle shaft quick change system

Without losing any settings, just a few turns of your hand allows you to swap spindles of varying diameters.



Details that convince



Stability and operating smoothness - the Hammer spindle moulder unit
 High precision with standard moulding work or use of heavy tools - The Hammer spindle moulder unit guarantees extreme smoothness and precision. The spindle diameter is 30 mm. The ergonomically laid out operating elements and the smooth tool change convinces with every application, day after day. Four well spaced, selectable speeds, 3000/6000/8000 and 10,000 rpm, cover the optimum speeds of various different spindle tool diameters. An important detail is standard with Hammer: the forward and reverse run of the spindle for your safety when moulding.

Hammer - Decision making reliability for many years to come

Durability, functionality and reliability made in Austria – Hammer woodworking machines are top-quality products from Felder. Since 1997, Hammer has been producing high-quality yet affordable woodworking machines for the skilled trades and crafts. The models have been specifically designed for this customer group and are available in the basic, winner and perform configuration, offering price optimised solutions for every

requirement. Decades of experience building machines, Austrian craftsmanship, strict quality standards and tried and tested Felder system solutions, guarantee excellent woodworking machines, the best operating results and customer satisfaction for years to come. From the passionate woodworker to the business user with high demands, with machines from Hammer you are guaranteed reliability and precise woodworking.

... why you should decide on a Hammer machine now:

- » Excellent value for money
- » Decision making reliability for many years to come
- » State of the art machine technology
- » Solid cast iron tables and units
- » High quality, unique detail solutions as part of the standard package
- » Top quality manufacturing with strict quality guidelines
- » User friendly
- » Classic design
- » Quality and precision from AUSTRIA
- » Compact functionality
- » Mobile as an option
- » Minimal space requirement
- » Quickest changeover times

As and when required: Adapt the table size to the workpiece dimensions

Processing long and heavy workpieces without assistance - no problem with a Hammer! The Hammer table extension system, which has been tried and tested worldwide a thousand times over, allows you to assemble table extensions without tools in just a few steps. The support surface can be extended by 400 or 800 mm on each side of the working table. This means an extension of your table length by up to 1600 mm!





moulder spindle

The standard spindle moulder -Ø 30 mm for standard moulding tools. Ideal for all "classic" moulding work. The high-performance milling spindle guarantees excellent results at every angle regardless of the material.

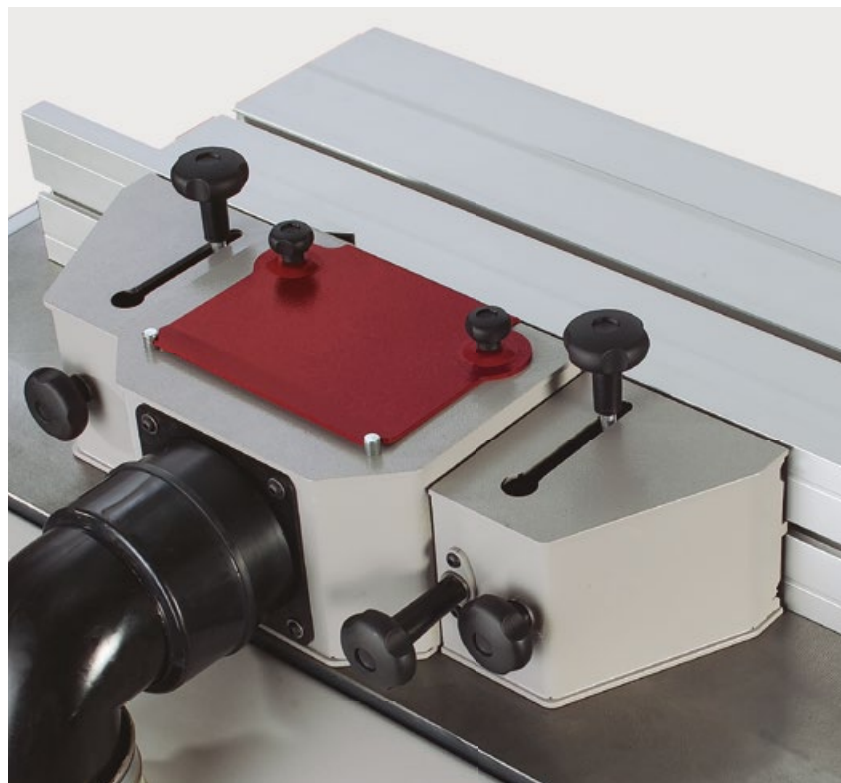


MF Spindle shaft quick change system

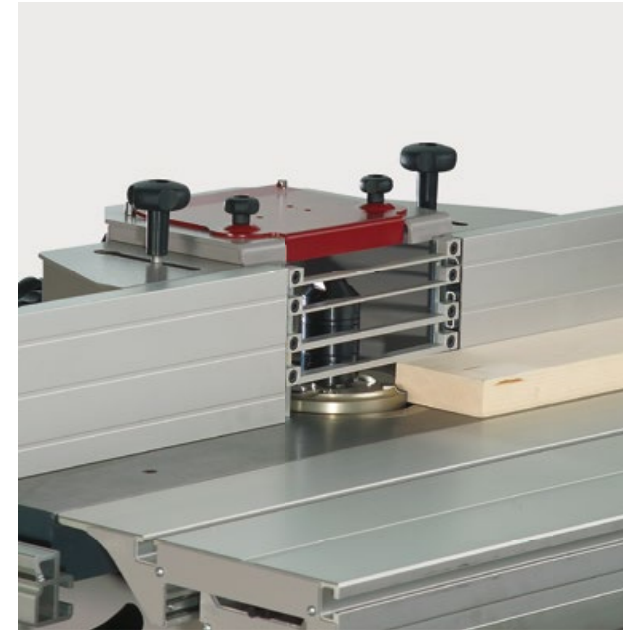
Without losing any settings, just a few turns of your hand allows you to swap spindles of varying diameters.

Spindle fence: simple handling, maximum safety and precision

The Hammer spindle fence is suitable for tools with a diameter up to 220 mm. Both of the anodised aluminium fences can be easily set to the spindle moulder tool diameter being used. The adjustment for the depth of cut when moulding can be made on the outfeed fence plate with a range of -5 mm to +25 mm. The extraction connection diameter for the chip extraction on the fence is 120 mm. As an option, safety bars can be fitted into the aluminium fence for a continuous surface support and offer even more safety when moulding.



EUK



Safety Bar Guides

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



The MULTI-fine adjustment system

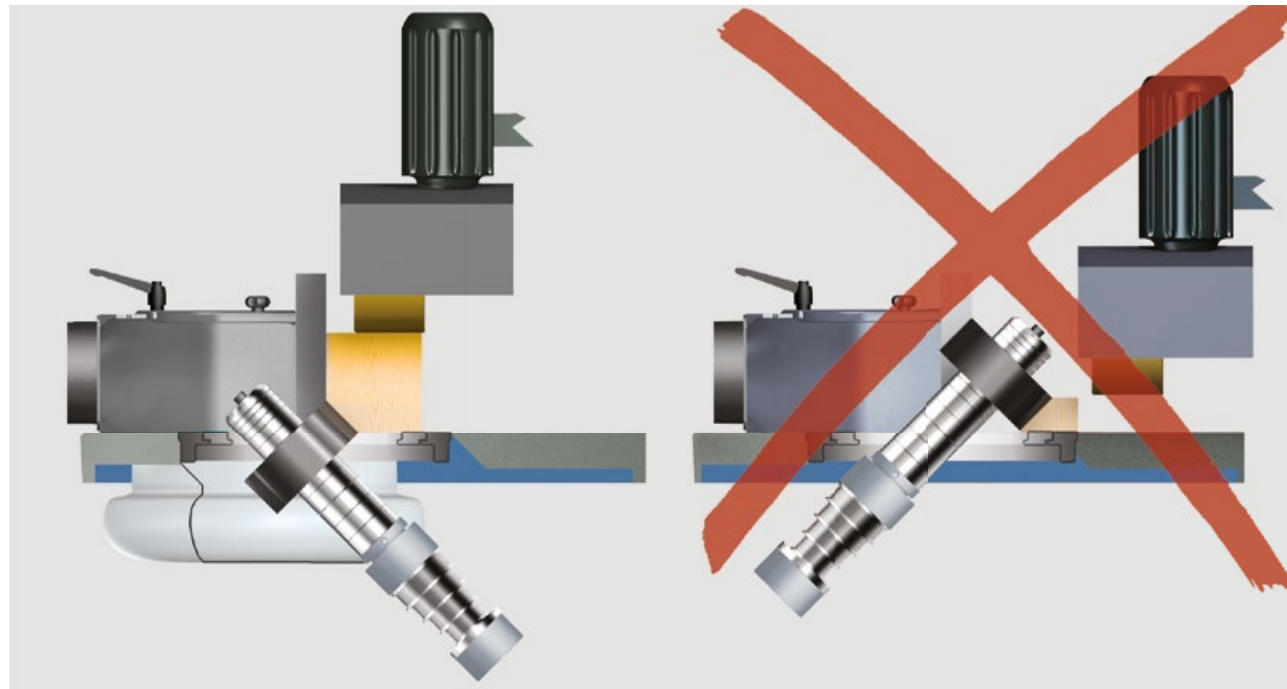
Professional equipment: spindle fence "220" for max. tool Ø of 220 mm, MULTI adjustment system for spindle fence "220" for parallel alignment and quick adjustment



Strong motors - Optimal power transmission

The power transmission of the motor power to the saw arbour or moulder spindle is achieved using large dimensioned Poly-V belts and counter surface. The surface area which is increased due to the V shape of the drive belt on the pulley increases the grip and ensures an almost perfect transmission of power from the motor to the saw arbour and moulder spindle.

EUK



The Felder rearward tilting Spindle is the correct way for easy and safe operation:

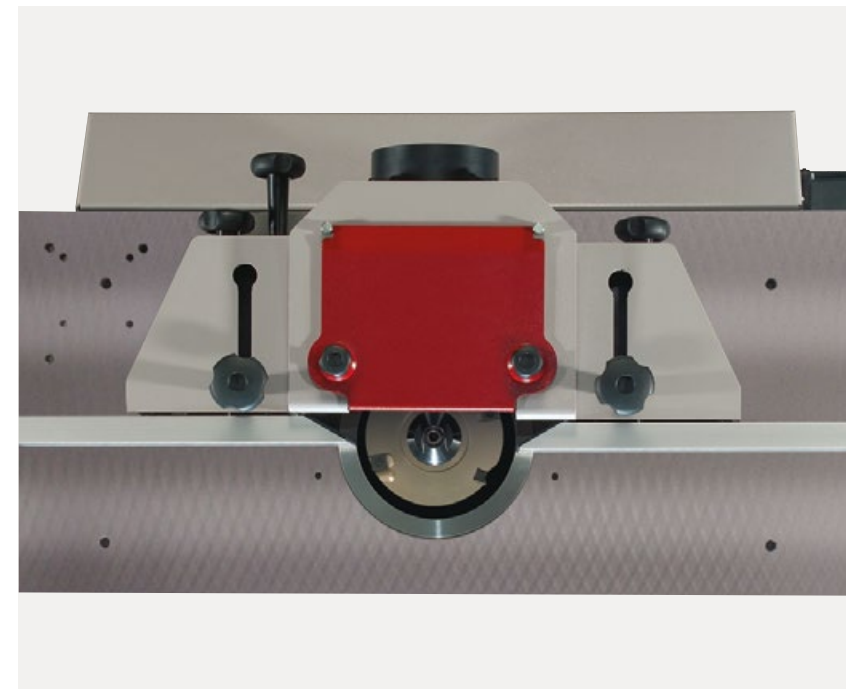
- » Working safely
- » Suitable for any workpiece size
- » Problem-free power feeder application
- » Impeccable workpiece finish
- » Optimal chip removal



Power feeder

The use of a power feeder ensures that standard work when moulding can be carried out cleanly and precisely

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The Hammer spindle table, made from solid cast iron

Totally vibration-free and therefore reliably precise when sawing and moulding - the saw/spindle table made from solid cast iron has strong ribbing and is completely torsion-resistant. The table opening of 180 mm diameter makes it possible to use large diameter tools below the table surface level. Predrilled tapped mounting holes make it possible to quickly equip the machine with a power feeder.

Minimal space requirement - mobile in every workshop

Hammer woodworking machines are an absolute spacial wonder. The efficient machine design of a Hammer means that space can be found in even the smallest of workshops. As an option a rolling carriage can be fitted to every Hammer, offering mobility and freeing up additional space.



Technical specifications

Electrics		F3
001	3x 400 V motor voltage	S
002	3x 230 V motor voltage	W
003	1x 230 V motor voltage, motor power 4.0 HP (3.0 kW) S6/40%	O
004	50 Hz motor frequency	S
005	60 Hz motor frequency	W
007	Motor power 4.0 HP (3.0 kW) S6/40%	S
008	Motor power 5.5 HP (4.0 kW) S6/40 %;	O
11	Forward and reverse run	O
28	Additional emergency stop	O
Spindle moulder unit and spindle fence		
100	Standard spindle moulder - Ø 30 mm, 100 mm Nutzhöhe100 mm maximum above table operating height	S
101	MF spindle system - Changeable Ø 30 mm spindle shaft, 100 mm useable height	O
102	MF spindle system - Changeable Ø 32 mm spindle shaft, 100 mm useable height	O
103	MF spindle system - Changeable Ø 35 mm spindle shaft, 100 mm useable height	O
104	MF spindle system - Changeable Ø 1¼" spindle shaft, 100 mm useable height	O
105	MF spindle system - Changeable Ø 50 mm spindle shaft, 100 mm useable height	O
108	MF spindle system - Changeable spindle shaft with collet chuck	O
113	MULTI fine adjustment system with 450 mm fence plates	O
-	Speed 3000/6000/8000/10,000 rpm	S
-	Spindle fence 220 for tool Ø max. 220 mm	S
-	Spindle moulder tiltable 90°-45°, with scale	S
-	Max. tool diameter that can be lowered below the table at 90°	7" (180 mm)
Anodised slot and tenoning table		
130	Slot and tenoning table 800 mm	S
131	Slot and tenoning table 1250 mm	O
132	Slot and tenoning table 2000 mm	O
Outrigger tables and crosscut fences		
160	1100 outrigger table	O
163	Mitre index system for the outrigger table (#160/161)	O
164	900 mm crosscut fence for all sliding table lengths	O
165	750 mm telescopic extension for the crosscut fence (#164)	O
166	1300 mm crosscut fence for the 1100 outrigger table (#160)	O
General		
-	Gross weight in kg (with standard configuration)	350
-	Table size in mm	950 x 730 mm
Important accessories		
210	Rolling carriage without lifting bar	O
211	Lifting bar	O
221	Transport preparation for overseas transport	O

Product range

Combination Machines C3 31

Combination Machines C3 41

Saw-Spindle Moulders B3

Planer-Thicknessers A2, A3

Saws & Sliding Table Panel Saws K2, K3, K4

F3 Spindle Moulder

CNC Portal Milling Machines HNC

Edge sanders

Bandsaws

Air filter dust extractor