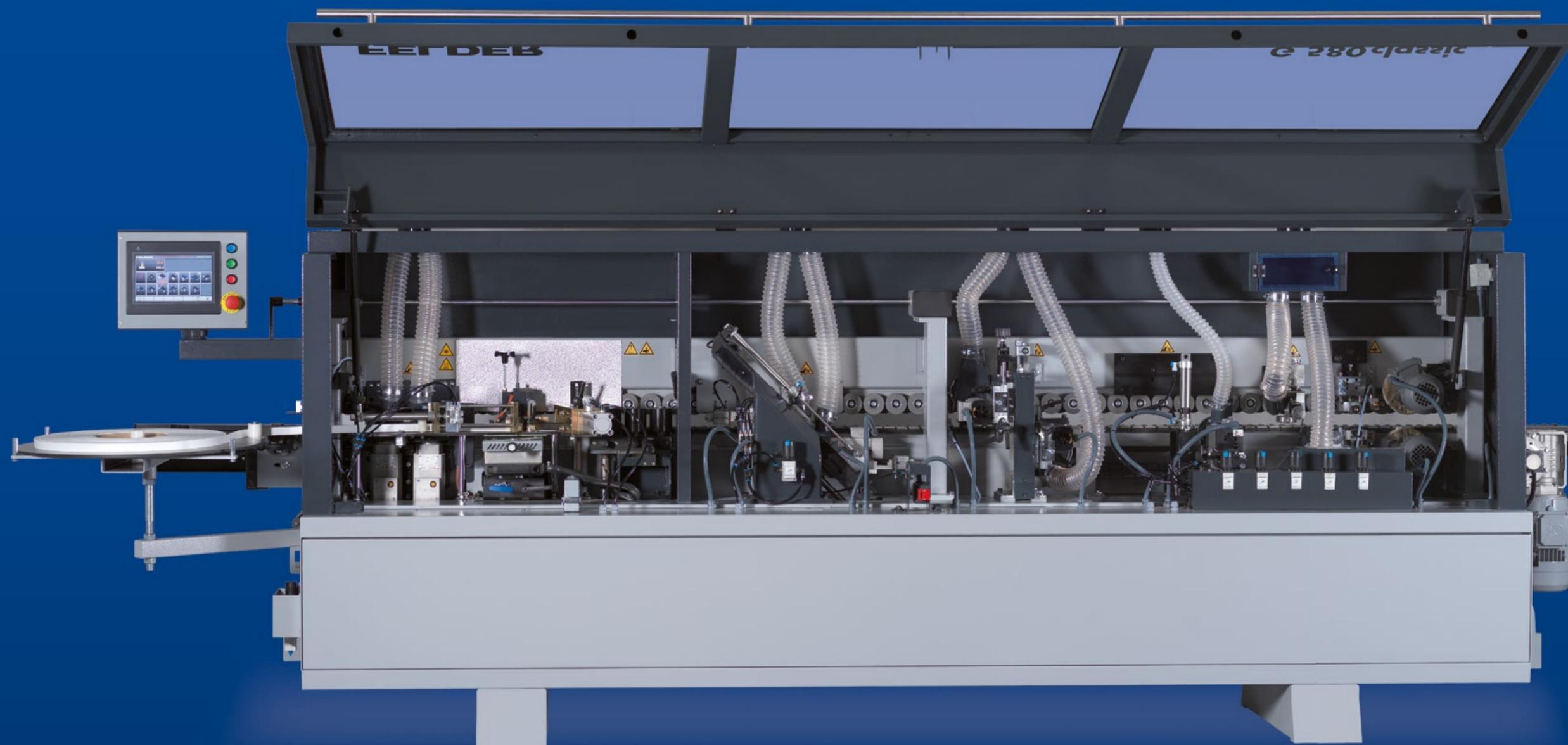


FELDER®

G 500 classic series
PERFECT WORKPIECES IN
JUST ONE WORK STEP



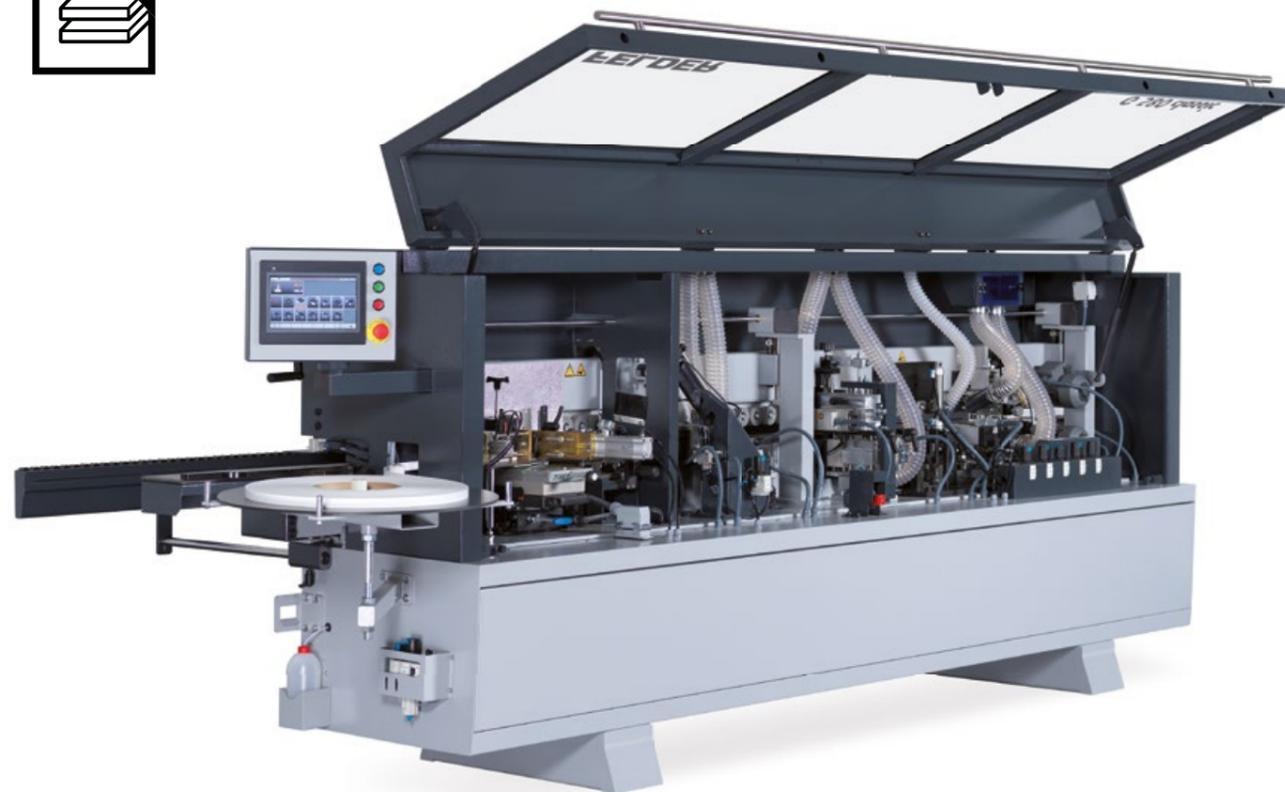


G 500 classic series

Perfect workpieces in
just one work step



Panel material



Intuitive operation via touchscreen, greater flexibility and productivity with the new interchangeable glue pots, and ultimately a perfect finish - both Felder edgebanders, G 560 classic and G 580 classic, boost the quality of production when it comes to processing a wide variety of coiled and strip materials for edge thicknesses of up to $1\frac{3}{64}$ " (5 mm).

Perfect workpieces in a single work step - the two Felder classic models are machines of high quality engineering. In addition to the standard equipment, the G 580 classic features a premilling and a corner rounding unit to satisfy the most demanding requirements of professional woodworkers.

Variations

Models & Your Advantages



G 560 classic

- » Quick changeover times: Exchangeable gluepot for EVA and PUR glues
- » Fastest settings with the Felder „Quick-Set“ system
- » Edge thickness from $\frac{1}{64}$ " - $\frac{13}{64}$ " (0.4–5 mm)
- » Workpiece height $\frac{5}{16}$ " - $1\frac{31}{32}$ " (8–50 mm)
- » Tear-free in any case: premilling unit with two diamond-tipped spiral jointing cutters
- » up to 3 finishing units for the best finish



G 580 classic

- » Quick changeover times: Exchangeable gluepot for EVA and PUR glues
- » Fastest settings with the Felder „Quick-Set“ system
- » Edge thickness from $\frac{1}{64}$ " - $\frac{13}{64}$ " (0.4–5 mm)
- » Workpiece height $\frac{5}{16}$ " - $1\frac{31}{32}$ " (8–50 mm)
- » Tear-free in any case: premilling unit with two diamond-tipped spiral jointing cutters
- » No more time consuming post processing thanks to the corner rounding unit

... 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



Teflon-coated changeable gluepot

The Teflon-coated changeable gluepot can be quickly and easily replaced and holds 3 lbs of adhesive granulate. The machine is ready for use after a brief heat-up time. The micro adjustable glue roller ensures the correct dosage of the hot-melt adhesive and allows perfect matching to different edge materials.

The quick and easy change to other adhesive colors and the use of PUR glue guarantee productive procedures and excellent edges for all areas of application.



Very easy operation using the touchscreen control system

The individual machine units can be switched on and off easily from the clearly laid out control panel.

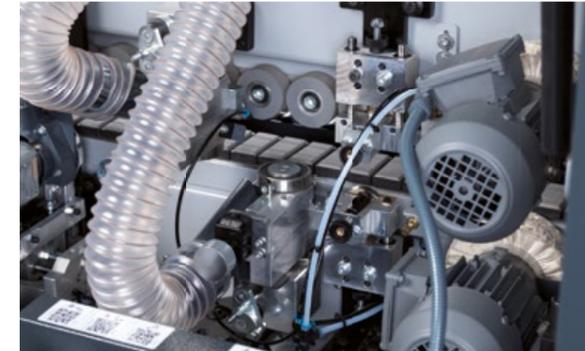
- » Glue temperature settings
- » Automatic glue temperature reduction
- » The units can be switched on and off
- » Odometer for amount of material used
- » Display of the maintenance intervals
- » Plain text error messages



Don't miss out on the productivity of the corner rounding unit

No time consuming post processing of the workpiece! The G 580 classic corner rounding unit handles the "finish" of workpiece corners (including soft-forming or post-forming materials) for edge material from $1/64"$ - $1/8"$ (0.4–3.0 mm) and a processing height of $1^{31/32}"$ (50 mm) at an infeed rate of 29.6 ft./min (9 m/min). The solid construction as well as the linear guides and TC routers with start-up coupling ensure long-lasting precision. Control of the corner rounding unit via touchscreen.

Details



Radius scraper unit

A gentle pulling cut removes any traces of radius milling, creating a perfectly smooth "finish". Fine adjustment is done manually.



Premilling unit

Two counter rotating, activation controlled premillers with diamond tipped spiral cutters ensure first class edges to which the material is to be applied. With the premilling unit you will achieve splinter-free edges when processing laminated material. Depth of cut is continuously adjustable from 0" to $5/64"$ (2 mm).



Multifunction trimming unit with Felder „Quick-Set“

Adjustment of the settings for flush, radius and bevel trimming of thin edges is quick and easy. The newly developed adjustment system removes edge thickness tolerances and prevents any wrong adjustments. Two independent high frequency motors with special cutters ensure a perfect finish on all types of edge material. By default, the machine is equipped with $5/64"$ (2 mm) radius tools. Optionally, the unit can be equipped with a universal router, which allows the processing of $3/64"$ (1 mm) and $5/64"$ (2 mm) radii as well as flush trimming up to $1^{3/64}"$ (5 mm) edge thickness.



End trimming unit

The end trimming unit consists of two independent saw trimming units with high frequency motors (12,000 rpm). Linear guides ensure maximum precision. The trimming units can be manually tilted from 0° – 10°.



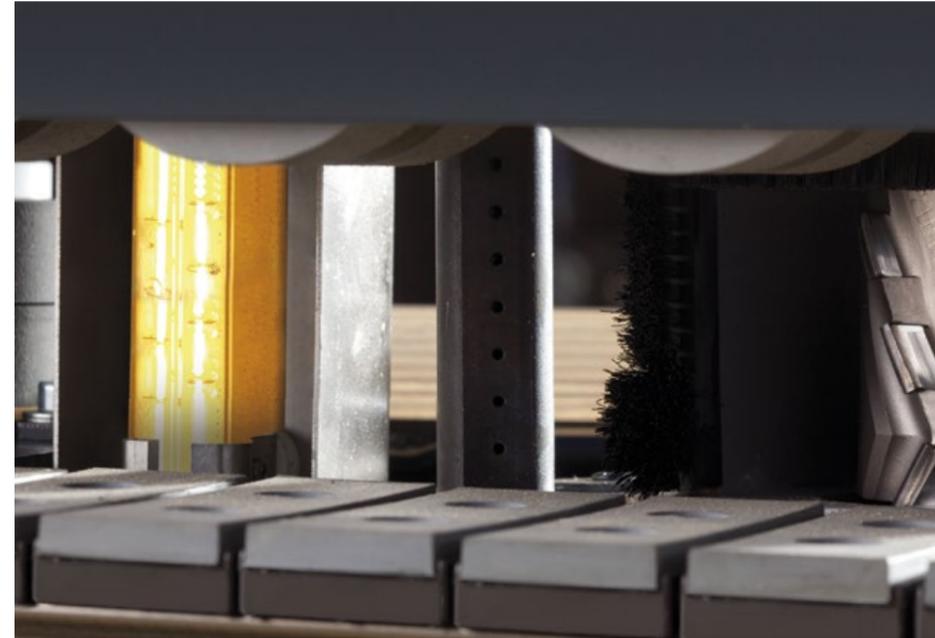
Edge feed

Coiled materials of $1/64'' - 1/8''$ (0.4–3mm) in thickness and solid wood edge strips of $13/64''$ (5mm) thickness can be processed in single feed with an edge height of $35/64'' - 131/32''$ (14 to 50mm). The processing of strip materials is possible in single feed. The synchronized, mechanical edge feed ensures an optimal feed of the material.



Pressure rollers

The edging material is pressed cleanly, perfectly evenly and precisely onto the workpiece by the large, power-driven first roller. The two subsequent conical pressure rollers provide additional pressure on the top and bottom of the workpiece, creating a perfectly even bond between the edging material and the workpiece.



Infrared heating lamp for better edge adhesion on cold workpieces (optional)

The activation controlled, high-quality infrared quartz heating lamp heats the edge surface before the panel reaches the glueing unit ensuring maximum process reliability of the edge adhesion, especially with cold workpieces.



Buffing unit

The unit is made up of two independent electric motors, which are equipped with cotton buffers. The task of the buffing unit is to clean and polish the top and bottom part of the edge. Super finish for ABS and PVC edging material. The machine can, on request, be equipped with spraying equipment to apply polish onto the workpiece.



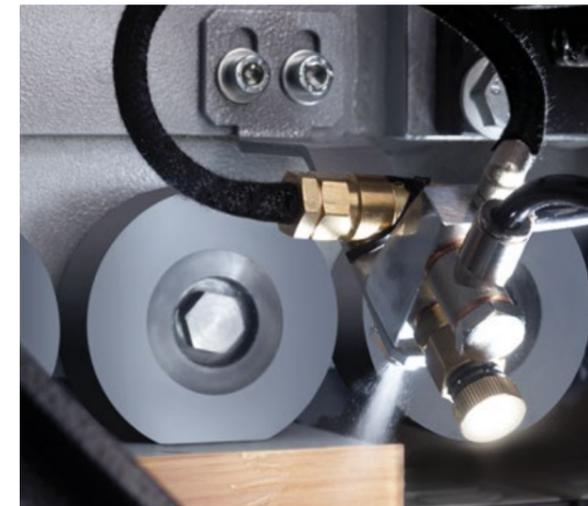
Pressure bar provides best possible workpiece hold

Adjustment to the respective panel thickness of $5/16'' - 131/32''$ (8–50 mm) is done quickly and precisely using the handwheel and the readout display. The diagonally arranged ball-bearing pressure rollers guarantee optimum hold and precise guiding of the workpieces.



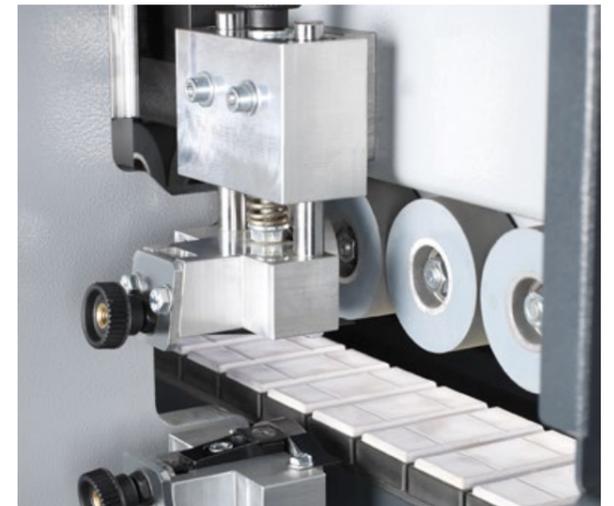
Chain conveyor feed system

Solid chain feed equipped with click pads. A round and a flat guide system move the workpieces through the machining units precisely and without tipping. A feed speed of 29 ft/min (9 m/min) (35 ft/min (10.8 m/min) with 60Hz) ensures short working cycles and maximum productivity.



Spraying units (optional)

Low consumption in the case of fragile edging materials thanks to controlled spray jets and the application of release agents for PUR adhesives and lubricants. Cleaning and buffing agents keep workpieces clean and ensure a perfect finish without the need for any refinishing.



Flush scraping unit (optional)

For a perfect workpiece surface "finish". The light scraping function of the surface scraper knives removes all glue residue from the glue joint on the workpiece surface. One more step towards the perfect and completely finished workpiece.

Technical specifications

Electrical setup		G 560 classic	G 580 classic
001	3x 400 V motor voltage	S	S
004	50 Hz	S	S
005	60 Hz	W	W
25	Multi-voltage input 3x190V / 208V / 230V / 400V / 415V / 440V / 480V	O	O
Working dimensions			
	Edge thickness min.-max. (mm)	0,4-5,0	0,4-5,0
	Work piece thickness min.-max. (mm)	8-50	8-50
	Min. workpiece width (mm) The minimal workpiece width varies depending on the workpiece length, height and type of surface	70	70
	Min. workpiece length (mm)	140	140
Units			
	3 free spaces for additional processing units	S	S
	Control with 10.4" Touch Screen display	S	S
	Chain feed with 9 m /min (10.8m /min at 60hz) feed speed and rubberized support pads for optimal hold on the workpiece	S	S
	Container packing	S	S
	Pull-out workpiece support of 17 ²³ / ₃₂ " – facilitates working with large workpieces	S	S
	Pneumatic disengaging mechanism of the radius scraping unit	S	S
	Coiled edge band feed support plate Ø 28 ¹¹ / ₃₂ ", for PVC/ABS	S	S
	Processing of coiled material in thick PVC/ABS from 0.4 to 3.0 mm in thickness; single feed of strip material up to 5mm is also possible	S	S
	Guillotine shears for cutting coiled edge bands up to 3 mm in thickness in Hard-PVC/ABS	S	S
	Joining unit with application-controlled diamond milling cutters and 2 independent motors, each with 0.75 kW, 12,000 rpm, chip removal manually adjustable from 0&2 mm, incl. 2 diamond milling cutters (Ø 70 mm, H 54 mm, Z 2 2)	S	S
47	Joining cutter with interchangeable cutters	O	O
43	Infrared heating lamp for preheating the panel edge	O	O
	Teflon coated gluepot with 3 lbs capacity, glue applied using a glue roller as well as monitoring of the heating cartridge (approx. 250 running metres per 1 kg glue granulate on a 19mm panel)	S	S
66	Changeable gluepot F400 instead of the standard application unit	O	O
	Pressing unit is mechanically pre-stressed, 1 straight pressure roller and 2 additional pressure rollers	S	S
	End trimming unit with 2 independant motors, each with 0.55 kW and 12,000 rpm, both manually tiltable between 0°-10°	S	S
	Multifunctional milling unit, 12,000 rpm, 2x 0.55 kW, radius milling, flush milling, chamfer milling for thin edges, adjustment by means of edge section	S	S
90	Multiradius R1 R2mm on the multifunction milling unit	O	O
	Single motor corner rounding unit for post and soft form profiles up to 50mm	-	S

Finishing units		G 560 classic	G 580 classic
	Radius scraping unit for R= 2 mm, manual activation, mechanical setup	S	S
20	Glue scraping unit, mechanically controlled	O	O
	Buffing unit with 2 motors	S	S
32	Spraying unit for cleaning agent positioned before buffing unit (only in combination with the buffing unit)	O	O
42	Spraying unit of releasing agent on the machine infeed side (PUR glue) (L44)	O	O
53	Spraying unit for lubrication agent	O	O
Important Accessories			
	220-100 – Additional interchangeable glue pot	O	O
	200-106 – Mobile cleaning unit for the glue pot including a temperature regulator initiator for the glue rollers, including a pre-melting function	O	O
	200-107 – Storage bins for the glue pot, including an air condenser for PUR glue	O	O
	202-122 – storEdge edge storage including support plate	O	O
	202-123 – storEdge edge storage without support plate	O	O
	202-129 – puReady nitrogen container	O	O
	220-128 – Silicon gluepot insert F600 / F400	O	O
Transport			
221	Preparation for container	W	W

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

Shapers

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

Heated Veneer Presses

MVP 31.14 flex

Wide Belt Sanding Machines

FW 1102 perform FW 1102 classic FW 950 classic FW 850 classic

Brushing Machine

structura 60.02 structura 40.02

Belt and Edge Sanders

FS 722 FS 900 KF FS 900 K FS 700 K

Edgebanders

G 560 / G 580 classic G 500 EX G 480 G 380 G 360 G 330 G 263 G 220 ForKa 300 S eco KV 925

Vertical panel saw

KV 925

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.

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