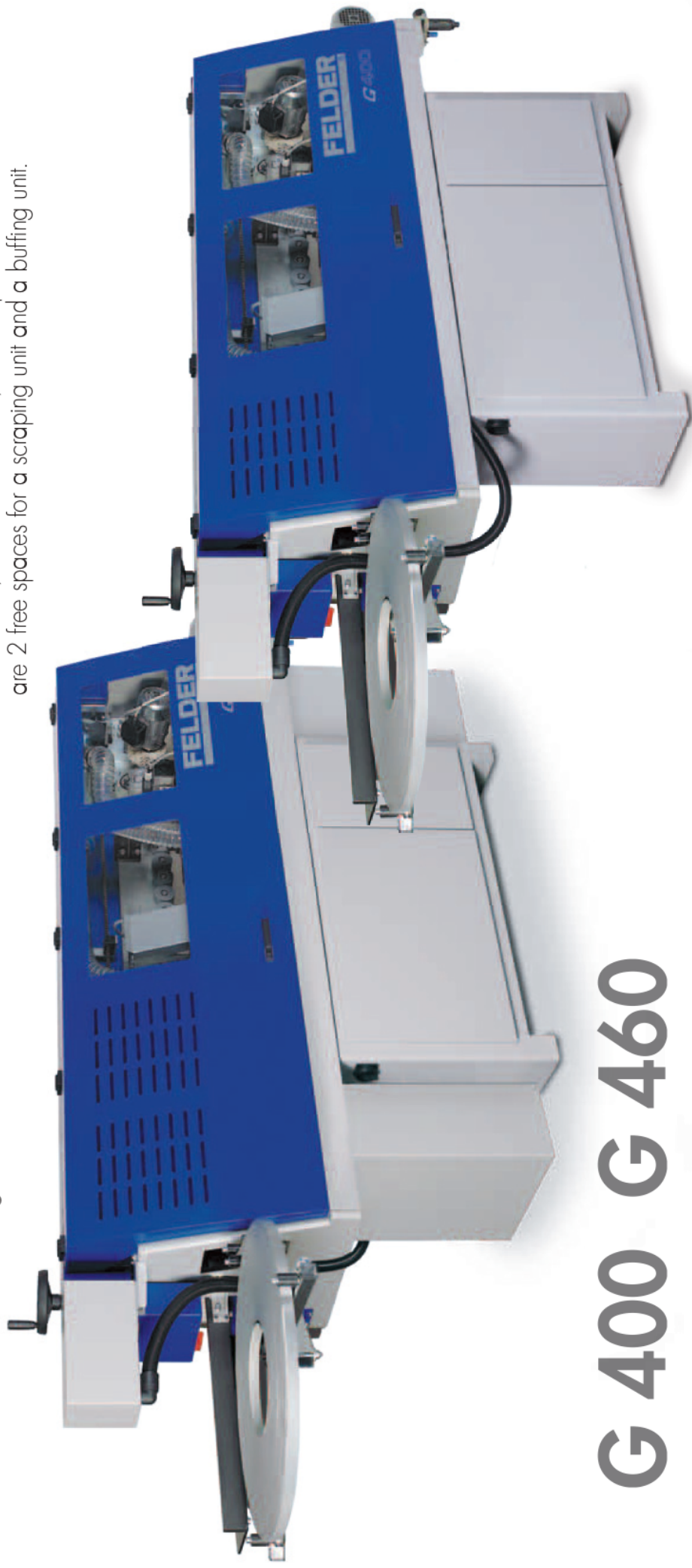


"UNIVERSAL" edgebander with optional scraping and buffing unit

The Felder "UNIVERSAL" class is the right choice when you're looking for an edgebander with chain feed and universal compatibility with coiled material made of ABS, PVC and heavy-duty veneer, from 0.4 to 3 mm with an edge width of 45 mm.

The Felder 400 Series combines top-notch performance and perfect results with a minimal footprint, all at an unbeatable price.

Decide for yourself about how your workpiece is finished: there are 2 free spaces for a scraping unit and a buffing unit.



G 400 G 460

A compact machine, delivering perfect gluing results

G 400/460

G 400 Edgebender

- Operating panel with LCD display and keypad
- Manual unit adjustment
- Tape thickness 0.4–3.0 mm
- Workpiece height 8–45 mm
- 9 m/min feed speed
- 2 available slots for additional finishing units
(radius or flush scraping unit or buffing unit)

G 460 Edgebender

- Operating panel with LCD display and keypad
- Premilling unit with 2 diamond spindles rotating in opposite directions
- Manual unit adjustment
- Tape thickness 0.4–3.0 mm
- Workpiece height 8–45 mm
- 9 m/min feed speed
- 2 available slots for additional finishing units
(radius or flush scraping unit or buffing unit)



MODEL	STANDARD EQUIPMENT	OPTIONS 2 AVAILABLE SLOTS
 G 400	 Edging feed for coiled and strip material  Glue roller and glue pot  Guillotine shears - Pneumatic pie-sizing  Pressure roller unit  End cutting unit  Flush and radius trimming unit	 Radius scraping unit  Flush scraping unit  Buffing unit
 G 460	 Premilling unit  Edging feed for coiled and strip material  Glue roller and glue pot  Guillotine shears - Pneumatic pie-sizing  Pressure roller unit  End cutting unit  Flush and radius trimming unit	 Radius scraping unit  Flush scraping unit  Buffing unit



G 460: Operating panel with LCD display and keypad

Functions:

- Glue temperature settings
- Automatic glue temperature decrease
- Units can be selected and disengaged
- Odometer for total meters of material used
- Display of the maintenance intervals
- Plain text error messages

Units

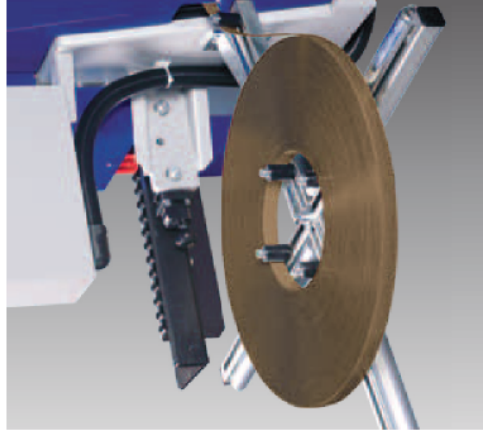
Edging feed for coiled material

Automatic edge feed for coiled material 0.4 to 3 mm.



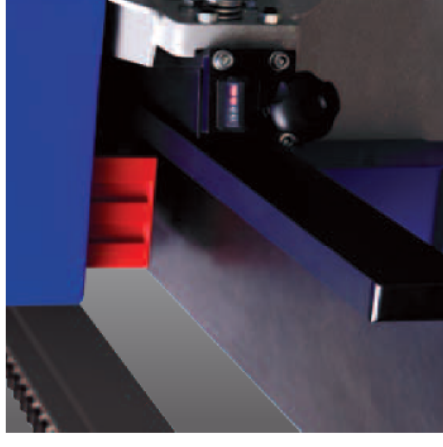
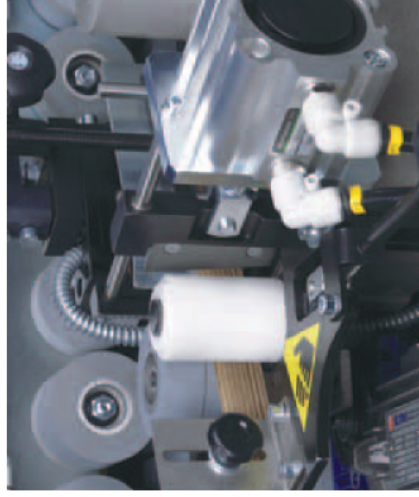
Guillotine shears for edge material measuring up to 45 mm in height

To cut ABS and PVC up to 3 mm thick.



Premilling unit (G 460)

The two diamond tipped spindle heads rotate in opposing directions, ensuring a perfectly straight workpiece edge, to which before the edge material can be glued. The premilling unit guarantees that chipped or torn edges are a thing of the past, each and every time. Depth of cut is continuously adjustable from 0 to 2 mm using the digital counter.



G 400/460

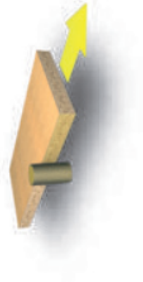


Units

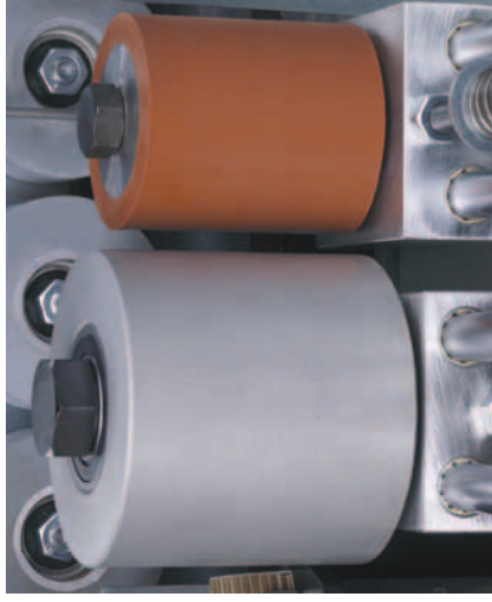
Glue roller and glue pot



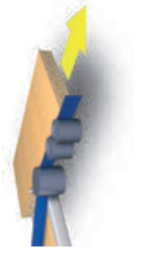
The Teflon-coated glue pot holds up to 1.2 kg of EVA hot melt glue granulate (Ethylene-Vinyl Acetate copolymer). The machine is ready to use after only a short heating time. The adjustable glue roller ensures that the hot melt adhesive is dispensed correctly and gives a perfect finish to every kind of edging material. PUR (Polyurethane) hot melt glue granulate can also be used - please note manufacturer's guidelines.



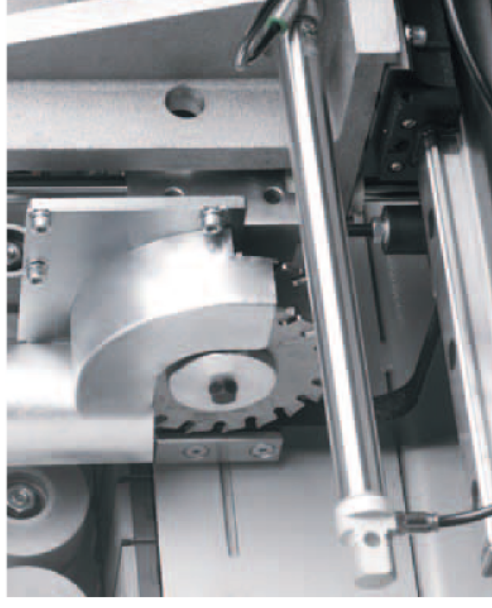
Pressure unit for well-executed glued joints



The first roller presses the edging onto the workpiece. The main pressure roller is mechanically preloaded using springs and seals the glue joint from above and below. Edge thickness is set simply by inserting a piece of edging.



End trimming unit; the perfect cut

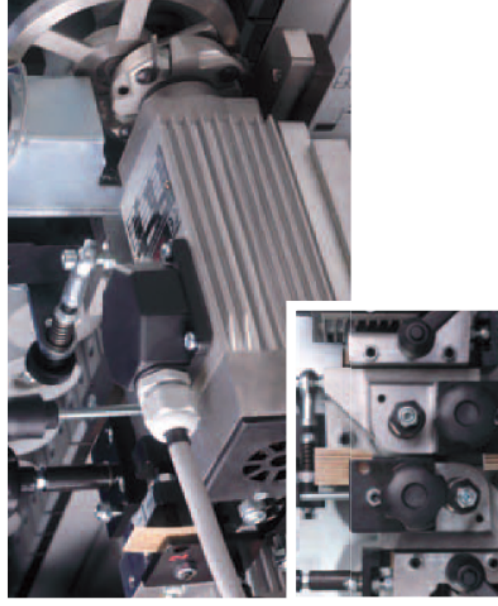


High-precision vertical movements ensure that the end trimming unit makes perfect cuts. A 12,000 rpm, 0.27 kW motor guarantees that the machine can meet any challenge and process any material. The end trimming unit can be selected or disengaged via the control panel.



Units + Options

Flush and radius trimming unit for perfect results



It is quick and easy to switch between flush trimming, radius trimming and bevelled cuts for thin edges. The newly developed setup system ensures balanced edge tolerances and prevents setup mistakes. Two independent high-frequency motors with special spindles ensure perfect results with any edging material. The machine is equipped with tools 2 mm in radius as a standard. The machine can be equipped with tools 3 mm in radius upon request.



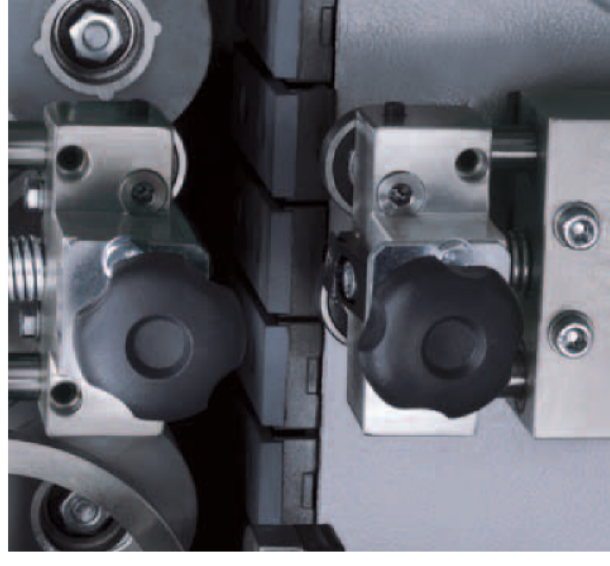
Radius scraping unit
Perfect edging



The top surface of the edge radius is removed by the light scraping of the radius blade.



Flush scraping unit
Perfect workpiece



The scraping unit can be engaged manually and ensure a perfect workpiece surface "finish".



Units + Options

Buffing unit Perfect "finish"

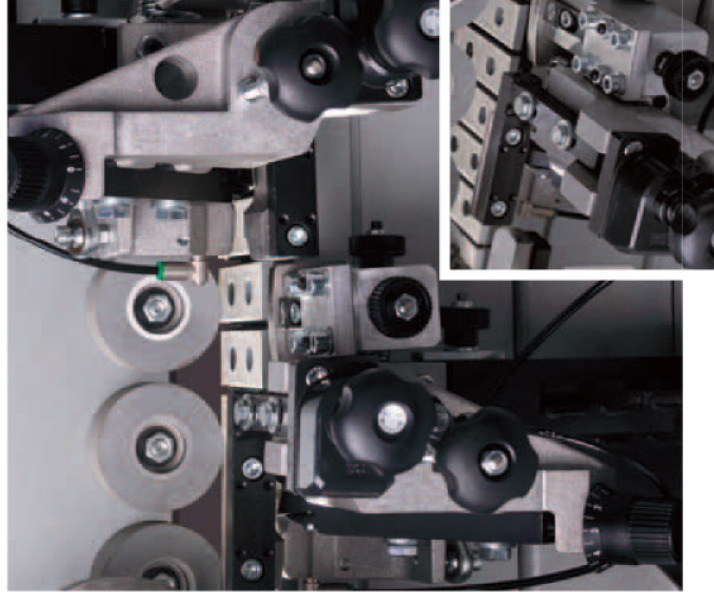


Super "finish" for ABS and PVC edging material.



New: Combination radius trimming unit and glue scraping unit

Smooths the edging radius and removes any marks made by the spindle. Together with the builtin glue scraping unit, cleans the glue joints. This gives high-quality results without the need for post-processing.



Infrared lamp and heating element

The panel edges are heated up before glue application, which ensures optimum process dependability and guarantees optimum edge adhesion, particularly for cold workpieces.



Technical data, Equipment options to suit your personal needs:

G 400/460

		G 400	G 460
POS	Electrical setup		
	001 3x 400 V	S	S
	004 50 Hz	S	S
	Premilling Unit		
	Premilling unit centrally controlled – can be disengaged	-	S
	Adjustable cutting depth (mm)	-	0-2
	Tool diameter (mm)	-	60
	Max. processing height (mm)	-	45
	No. of asymmetrical diamond tipped V-cut milling units	-	2+2
	Rpm	-	12,000
	Power (kW) of each motor	-	1,1
	Working dimensions		
	Edge thickness min.–max. (mm)	0.4–3.0	0.4–3.0
	Work piece thickness min.–max. (mm)	8–45	8–45
	Min. workpiece width (mm)	70	70
	Min. workpiece length (mm)	210	210
	Units		
	Coiled edge band feed support plate Ø 800 mm, for PVC/ABS	S	S
	Edge feeding is automatic for roller materials with a thickness of 0.4–3 mm, strip glue in separate feed	S	S
	Guillotine shears for cutting coiled edge bands up to 3 mm in thickness in Hard-PVC/ABS	S	S
	Glue unit for glue granulate from the teflon coated glue pot	S	S
	Spring loaded pressure unit with 1 pressure roller and 1 free moving roller	S	S
	12,000 rpm, 0.27 kW end trimming unit, with Ø 100 mm 24 tooth HW-Saw blades	S	S
	12,000 rpm, 0.37 kW Flush trimming, radius trimming and bevel trimming	S	S
	Tooling for 2 mm radius	S	S
	Tooling for 3 mm radius	O	O
40	Radius scraping unit for R= 2 mm, mechanically controlled	O	O
20	Glue scraping unit, mechanically controlled (not possible in combination with the radius scraping unit)	O	O
25	Combined radius trimming unit and glue scraping unit (not available in combination with Pos. 30)	O	O

		G 400	G 460
30	Buffing unit with 2 motors at 1400 rpm and 900 W (not possible in combination with the radius scraping unit)	O	O
45	Infrared heat lamp for pre-heating board edges	-	O
50	Heated entry ruler	O	-
	Operation		
	Operating panel with LCD display and keypad	S	S
	Through feed		
	Workpiece chain feeder	S	S
	9 m/ min feed speed	S	S
	Extensible workpiece support	S	S
	General		
	Extraction connector Ø in mm	120	120 + 2x 80
	Weight, kg (with standard equipment)	450	560
	Length in mm	2800	3200



	G 400	G 460
A mm	1550	1550
B mm	2800	3200
C mm (Shipping width)	770	770
	1100	1100

S ... Standard equipment, W ... Optional equipment at no extra cost, - ... Not available, O ... Option