

## The “PROFESSIONAL” category edgebander

There are four Felder models available in the “PROFESSIONAL” category to process coiled edge material and solid strips up to 5 mm thick and a maximum height 60 mm.

The G 500 base model is extremely compact and combines outstanding performance and quality at an unbeatable price.

The G 560 and its additional “Premilling” function is a great investment if your panel saw is not giving you a perfect edge on your workpieces.

The corner rounding module is the top feature of the G 570. Professional finishing of corner edges of straight, post formed or soft formed workpieces up to a height of 45 mm.

The G 580 is the top of the line model of the Felder quartet and is equipped with a premilling unit and a corner rounding unit.

Individual tailored solutions to further improve the quality of the final workpiece are also available on each of the four Felder models, including a glue scraper or buffing unit.



# G 500   G 560   G 570   G 580

# FELDER®



# 4 Machines for perfectly applicated glue results



## G 500 Edgebander

- Operating panel with LCD display and keypad
- Manual unit adjustment
- Edging thickness 0.4–5.0 mm (8 mm Option)
- Workpiece height 8–60 mm
- 11 m/min feed speed
- 3 spaces for finishing units

Option: x-motion-plus PACKAGE

- + 5.7" colour touchscreen
- + Pneumatic adjustment of the units
- + End position damping of the glue pot, and many more



## G 560 Edgebander with premilling unit

- Operating panel with LCD display and keypad
- Premilling unit with 2 diamond spindles rotating in opposite directions
- Manual unit adjustment
- Edging thickness 0.4–5.0 mm (8 mm Option)
- Workpiece height 8–60 mm
- 11 m/min feed speed
- 3 spaces for finishing units

Option: x-motion-plus PACKAGE

- + 5.7" colour touchscreen
- + Pneumatic adjustment of the units
- + End position damping of the glue pot, and many more



## G 570

### Edgebander with corner rounding unit

- Operating panel with LCD display and keypad
- Corner rounding unit for front edges
- Manual unit adjustment
- Edging thickness 0.4–5.0 mm (8 mm Option)
- Workpiece height 8–60 mm
- 11 m/min feed speed
- 3 spaces for finishing units

Option: x-motion-plus PACKAGE

- + 5.7" colour touchscreen
- + Pneumatic adjustment of the units
- + End position damping of the glue pot, and many more



## G 580

### Edgebander with premilling unit and corner rounding unit

- Operating panel with LCD display and keypad
- Premilling unit with 2 diamond spindles rotating in opposite directions
- Corner rounding unit for front edges
- Manual unit adjustment
- Edging thickness 0.4–5.0 mm (8 mm Option)
- Workpiece height 8–60 mm
- 11 m/min feed speed
- 3 spaces for finishing units

Option: x-motion-plus PACKAGE

- + 5.7" colour touchscreen
- + Pneumatic adjustment of the units
- + End position damping of the glue pot, and many more

MODEL

CONTROL SYSTEM

STANDARD EQUIPMENT



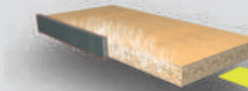
G 500



Operating panel with LCD display and keypad



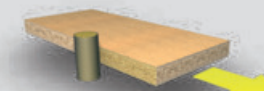
x-motion-plus Control



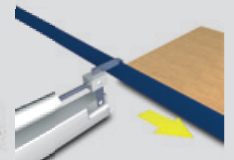
Heated guide ruler (Option)



Edging feed for coiled and strip material



Glue roller and glue pot



Guillotine shears - Pneumatic pre-sizing



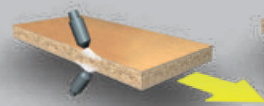
G 560



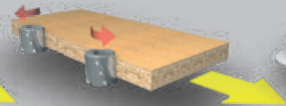
Operating panel with LCD display and keypad



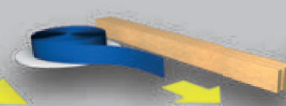
x-motion-plus Control



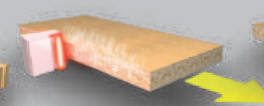
Spraying equipment release agent for PUR glue (Option x-motion-plus PACKAGE)



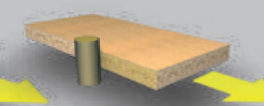
Premilling unit



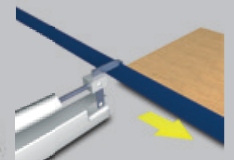
Edging feed for coiled and strip material



Infrared heater lamp (Option)



Glue roller and glue pot



Guillotine shears - Pneumatic pre-sizing



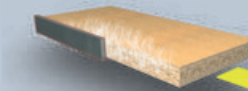
G 570



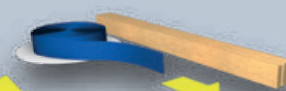
Operating panel with LCD display and keypad



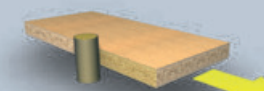
x-motion-plus Control



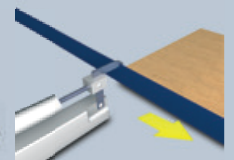
Heated guide ruler (Option)



Edging feed for coiled and strip material



Glue roller and glue pot



Guillotine shears - Pneumatic pre-sizing



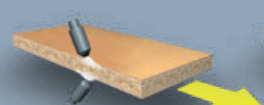
G 580



Operating panel with LCD display and keypad



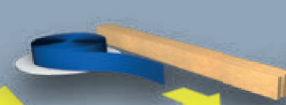
x-motion-plus Control



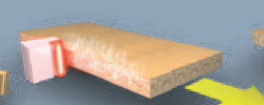
Spraying equipment release agent for PUR glue (Option x-motion-plus PACKAGE)



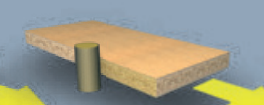
Premilling unit



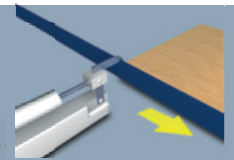
Edging feed for coiled and strip material



Infrared heater lamp (Option)

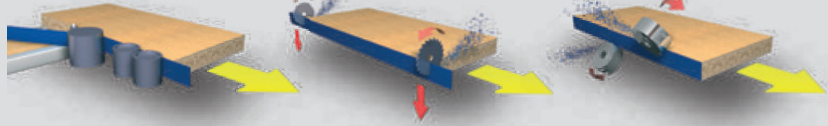


Glue roller and glue pot



Guillotine shears - Pneumatic pre-sizing

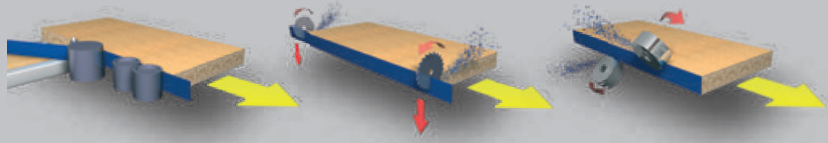
OPTIONS FOR THE PERFECT "FINISH"



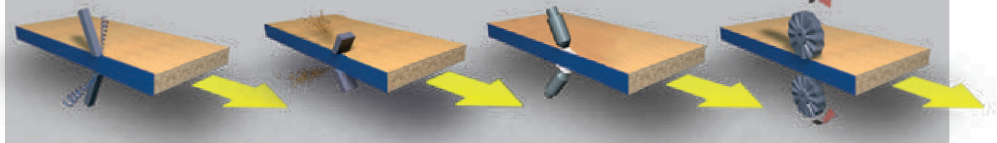
Pressure roller unit      End cutting unit      Flush and radius trimming unit



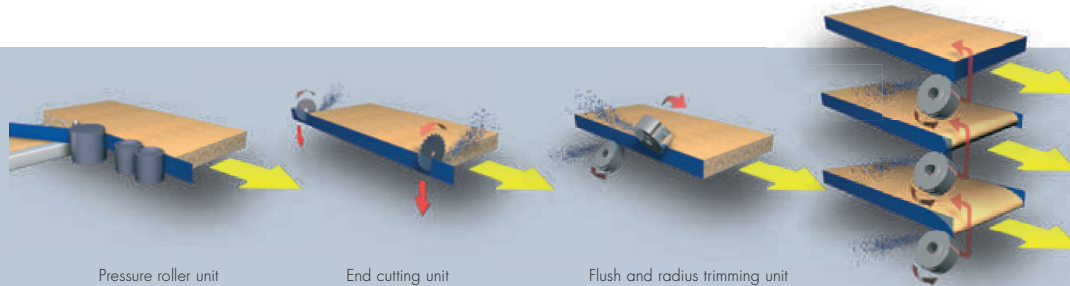
Radius scraping unit      Flush scraping unit      Spraying equipment for cleaning and polishing agents (Option x-motion-plus PACKAGE)      Buffing unit



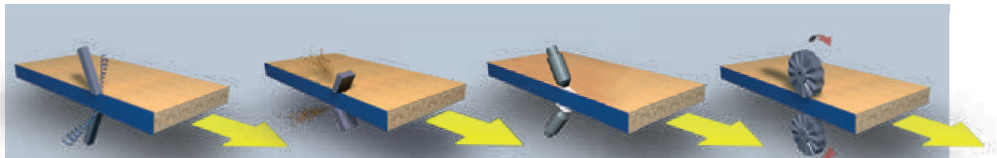
Pressure roller unit      End cutting unit      Flush and radius trimming unit



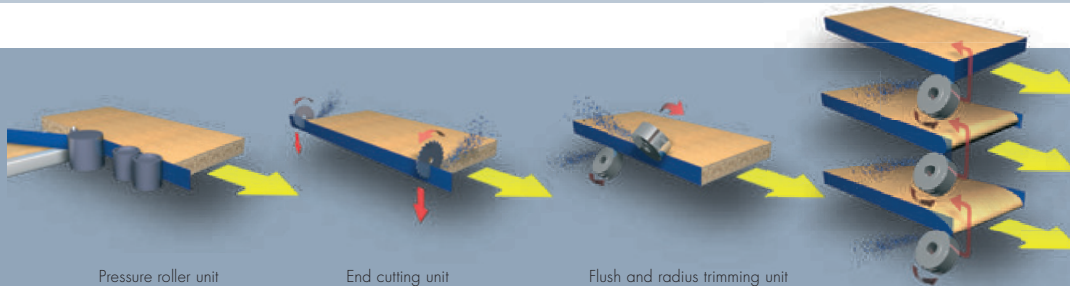
Radius scraping unit      Flush scraping unit      Spraying equipment for cleaning and polishing agents (Option x-motion-plus PACKAGE)      Buffing unit



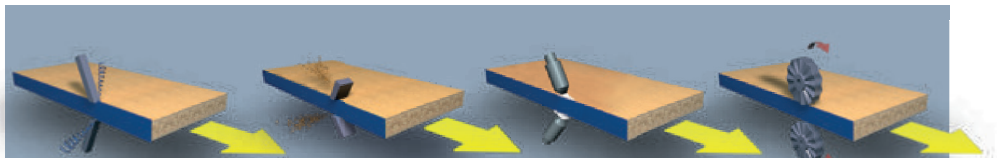
Pressure roller unit      End cutting unit      Flush and radius trimming unit      Corner rounding unit



Radius scraping unit      Flush scraping unit      Spraying equipment for cleaning and polishing agents (Option x-motion-plus PACKAGE)      Buffing unit

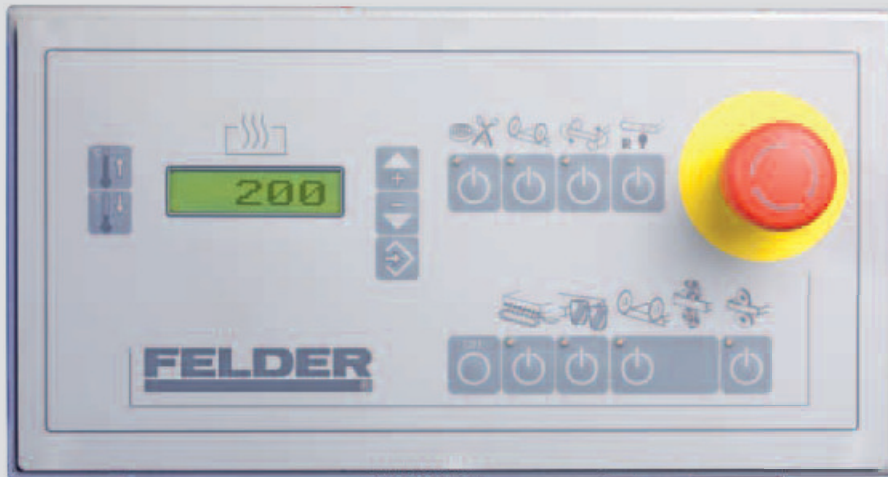


Pressure roller unit      End cutting unit      Flush and radius trimming unit      Corner rounding unit



Radius scraping unit      Flush scraping unit      Spraying equipment for cleaning and polishing agents (Option x-motion-plus PACKAGE)      Buffing unit

# Control system



## G 500/560/570/580: 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

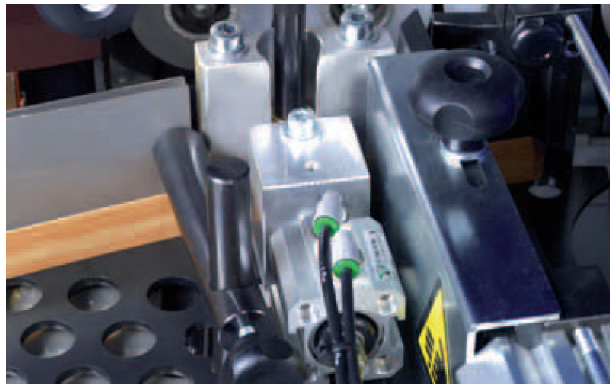


# Units

G 500/560/570/580

## Tape feed for coiled and strip material

Automatic feeding of coiled material from 0.4 to 3 mm in thickness; single feed of strip material also possible.

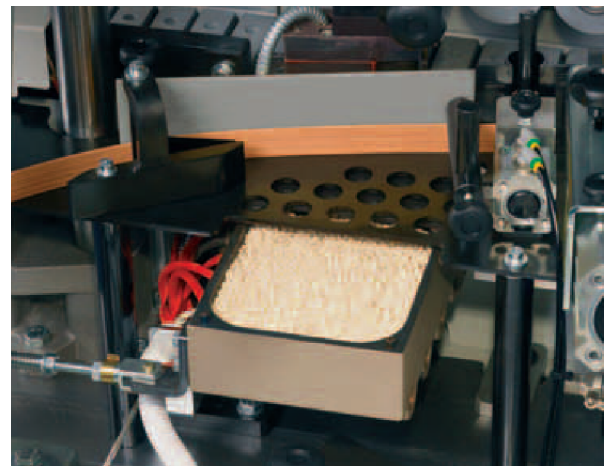


Option: 8 mm package including strip magazine with a 140 mm capacity for automatic feeding of fixed-length materials. In conjunction with the increased contact zone, where the first roller is active, it enables edgebanding using strip materials up to 8 mm in thickness.



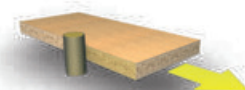
## Glue roller and glue pot Short warming up time

The Teflon-coated glue pot holds up to 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.



## Guillotine unit of material up to a height of 64 mm

Pre-cutting of ABS and PVC edge material up to a thickness of 3 mm.



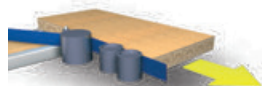


# Units

## Pressure rollers Perfectly glued edging



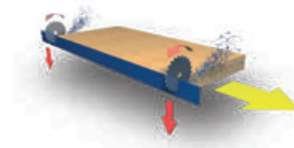
High-pressure contact zone with 3 mechanically preloaded pressure rollers. A large pressure roller presses the edging material onto the workpiece and the two conical main pressure rollers perfectly seal the glue joint from above and below. Setting the edge thickness is quick and easy: you simply insert a piece of edging. In connection with the "8 mm Package" option, the unit is supplied with a motor-driven first contact zone.



## End cutting unit with a 45° cut

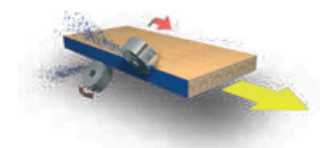
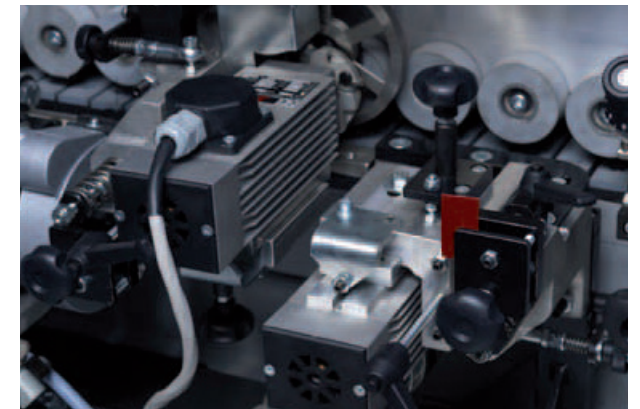


The highly precise linear guides ensure that the twin saw blade cutting unit executes perfect cuts. The end cutting saw blades traverse at 45°, ensuring that the cut is tear free. It is possible to set a 20° bevel cut to trim thin edges.



## 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 milling 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.



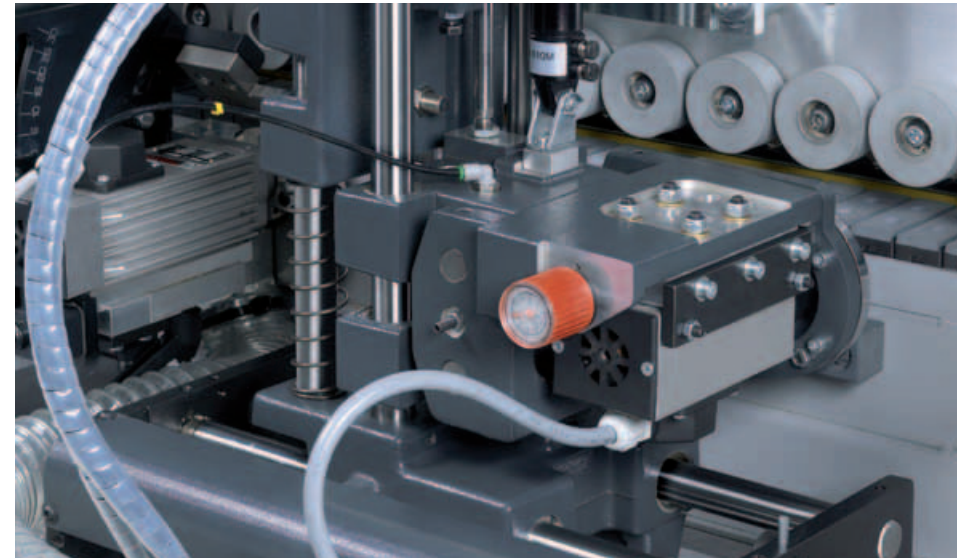
## Premilling unit (G 560/580) Ensures a perfect "finish"



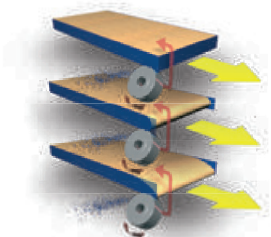
The two diamond tipped spindle heads rotate in opposing directions, ensuring a perfectly straight workpiece edge, to which before the edge material can be glued. The premilling unit guarantees that chipped or torn edges are a thing of the past, each and every time.



## Corner rounding unit (G 570/580) An indispensable level of productivity

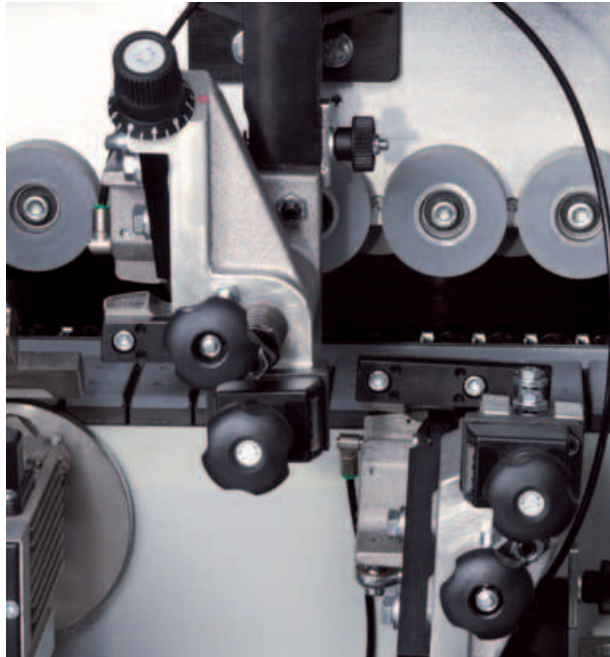


No need for troublesome post-processing of the workpiece! The Felder corner rounding unit finishes off workpiece corners (for both soffforming and postforming materials) for edging from 0.4 mm to 3.0 mm and a processing height of 45 mm. The solid cast iron construction, vertical movement and DIA spindle moulder with start-up coupling ensures long-lasting precision. The corner rounding unit is managed from the control panel.

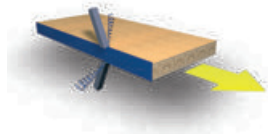


# Options for the perfect "finish"

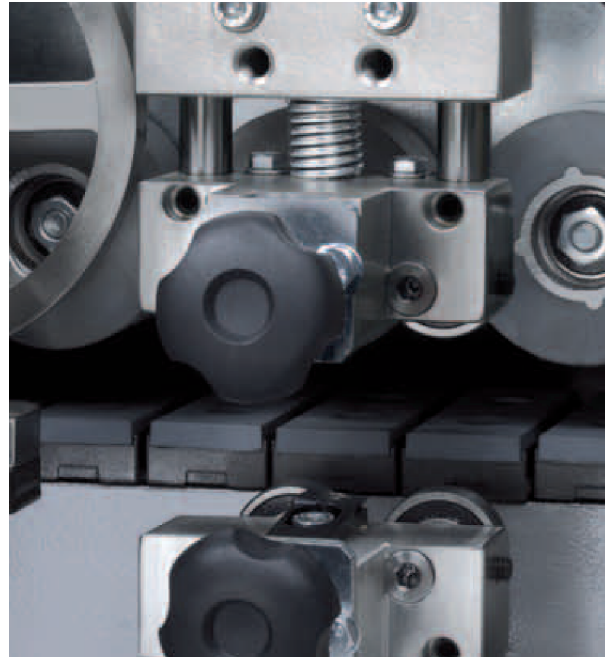
Radius scraping unit  
Perfect edging



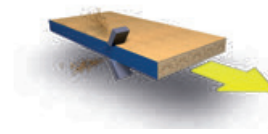
The top surface of the edge radius is removed by the light scraping of the radius blade.



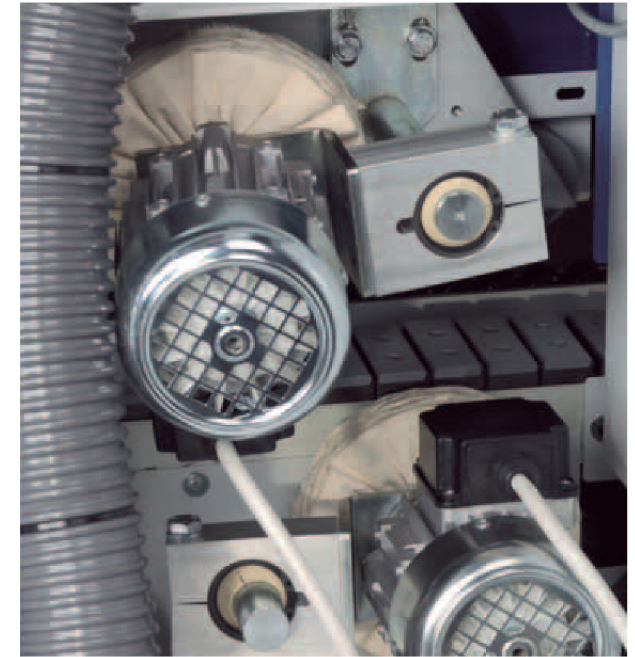
Flush scraping unit  
Perfect workpiece



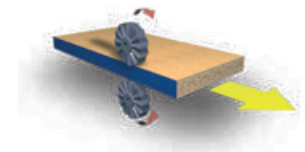
The manually adjustable glue scraper ensures a perfect "finish" on the workpiece by removing any remaining glue residue.



Buffing unit  
Perfect "finish"



Super "finish" for ABS and PVC edging material.



# x-motion-plus PACKAGE

G 500/560/570/580



## x-motion-plus PACKAGE Touch screen control panel

### Functions:

- Storage space for user-defined work programmes
- Pneumatic engaging and disengaging of the units
- Pneumatic adjustment of radius trimming, flush trimming and bevelled cuts for thin edges
- Glue temperature adjustment
- Automatic glue temperature decrease
- Odometer for total meters of material used
- Display of the maintenance intervals
- Clear error messages
- and many more.

Automatic adjustment for flush, radius and bevel trimming via the convenient touchscreen = x-motion-plus!



Flush trimming



Radius trimming



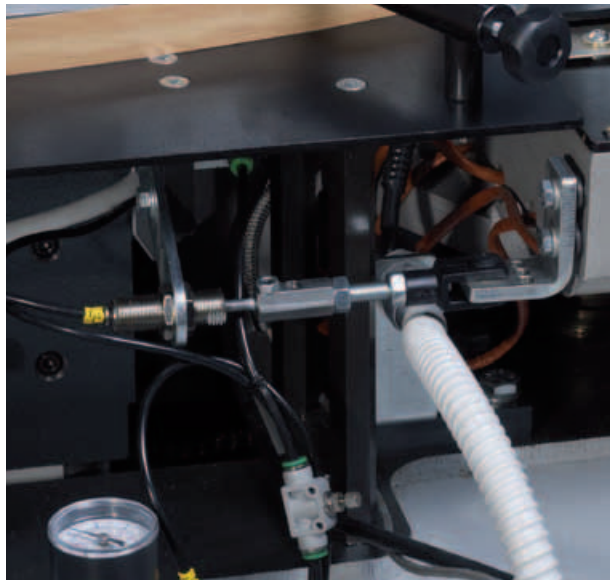
Bevel trimming



# x-motion-plus PACKAGE

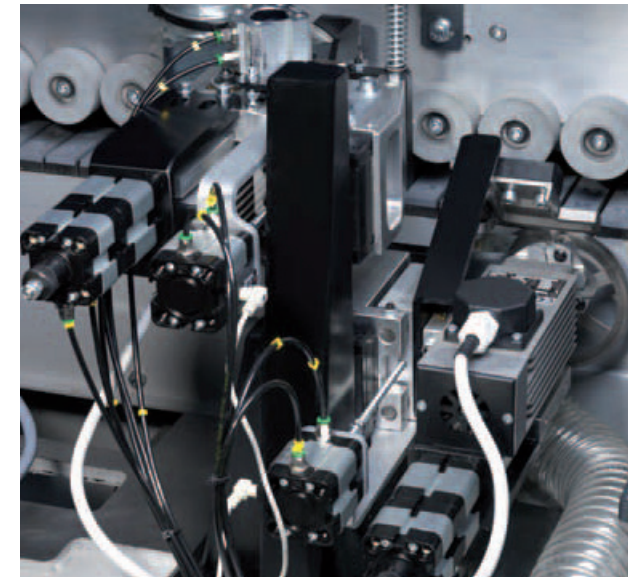
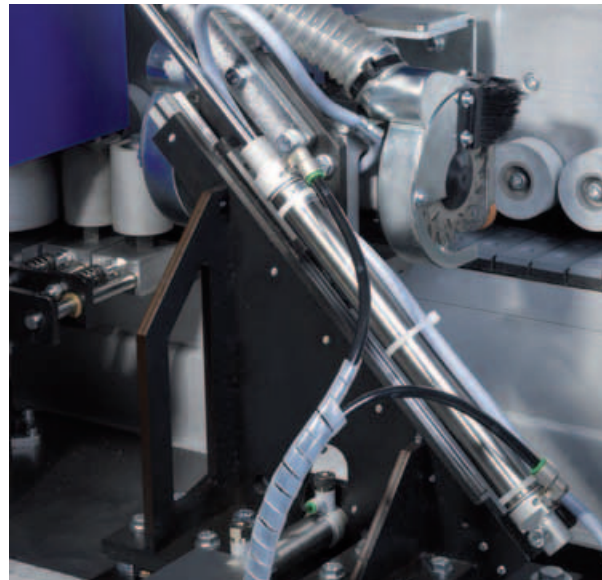
## Pneumatic end position damping of glue pot

The pneumatically preloaded glue pot which is deployed only when required prevents glue residue from sticking to the front edge; thus, there is no longer any need to clean the front edge. In addition, the glue pot can easily be engaged and disengaged using the control panel.



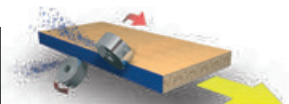
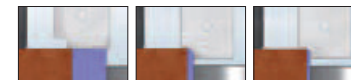
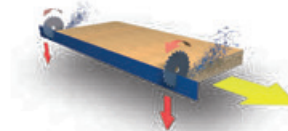
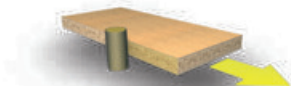
## End cutting unit x-motion-plus

Pneumatic adjustment from flush trimming to 20° cutter capping using the control panel.

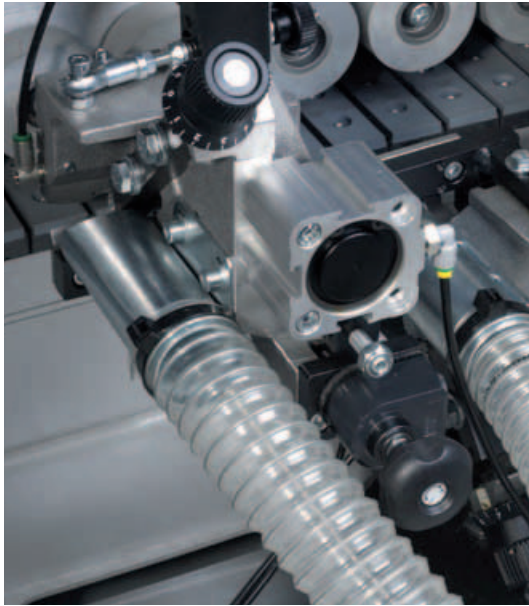


## Multifunction spindle moulder unit for perfect results

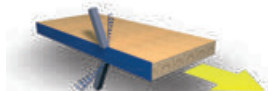
Automatic adjustment of the flush trimming unit to set points using the control panel enables radius trimming, flush trimming and bevelled cuts for thin edges. Independent controls for the upper and lower flush trimming unit.



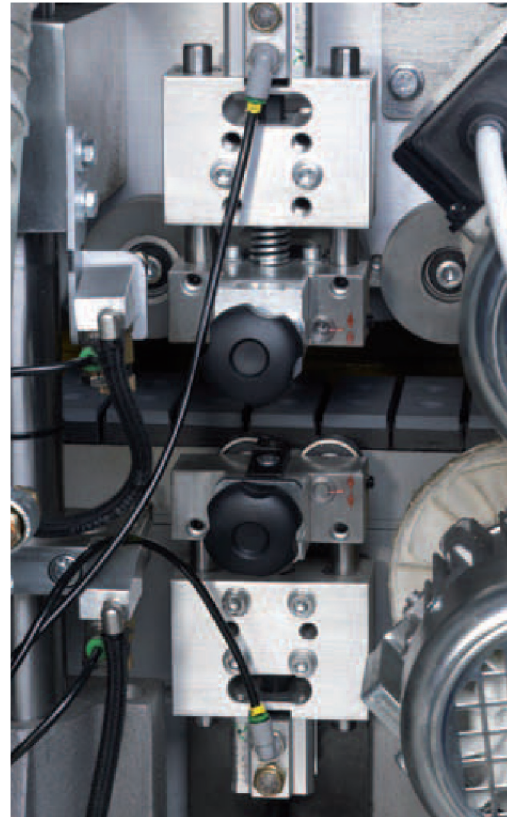
## Radius scraping unit Perfect edging



The top surface of the edge radius is removed by the light scraping of the radius blade. Pneumatic selection from the control panel, including a chip collection box for offcuts from the glue scraping unit.



## Glue scraping unit Perfect workpiece



Glue scraping unit with pneumatic on/off function for the workpiece. Engaged and disengaged using the control panel.



## Spraying equipment and spray for out- standing quality in industrial production



Reduced consumption due to spray nozzles deployed only when required. You have the option of applying separation solution especially for PUR glue and/or cleaning/buffing solution to get a clean workpiece and achieve a perfect end result.



# Technical data, Equipment options to suit your personal needs:

		G 500	G 560	G 570	G 580	G 500 x-motion plus	G 560 x-motion plus	G 570 x-motion plus	G 580 x-motion plus
<b>POS</b>	<b>Electrical setup</b>								
001	3x 400 V	S	S	S	S	S	S	S	S
004	50 Hz	S	S	S	S	S	S	S	S
	<b>Premilling Unit</b>								
	Premilling unit centrally controlled – can be disengaged	-	S	-	S	-	S	-	S
	Adjustable cutting depth (mm)	-	0-2	-	0-2	-	2	-	2
	Tool diameter (mm)	-	60	-	60	-	60	-	60
	Max. processing height (mm)	-	60	-	60	-	60	-	60
	No. of asymmetrical diamond tipped V-cut milling units	-	2+2	-	2+2	-	2+2	-	2+2
	Rpm	-	12.000	-	12.000	-	12.000	-	12.000
	Power (kW) of each motor	-	1,1	-	1,1	-	1,1	-	1,1
	<b>Working dimensions</b>								
	Edge thickness min.–max. (mm)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)	0.4–5.0 (8)
	Work piece thickness min.–max. (mm)	8–60	8–60	8–60	8–60	8–60	8–60	8–60	8–60
	Min. workpiece width (mm)	70	70	70	70	70	70	70	70
	Min. workpiece length (mm)	140	140	140	140	140	140	140	140
	<b>Units</b>								
	Coiled edge band feed support plate Ø 800 mm, for PVC/ABS	S	S	S	S	S	S	S	S
	Edge feeding is automatic for roller materials with a thickness of 0.4–5 mm, strip glue in separate feed	-	-	-	-	S	S	S	S
	Edge feeding is automatic for edge materials with a thickness of 0.4–5 mm, strip glue in separate feed	S	S	S	S	-	-	-	-
	Guillotine shears for cutting coiled edge bands up to 3 mm in thickness in Hard-PVC/ABS	S	S	S	S	S	S	S	S
	Glue unit for glue granulate from the teflon coated glue pot	S	S	S	S	-	-	-	-
	Pasting unit “x-motion-plus”, with Teflon coating, 2 kg for thermoplastic glue granulate, including pneumatic end position damping	-	-	-	-	S	S	S	S
	Pressing unit is mechanically pre-stressed, 1 straight pressure roller and 2 conic additional pressure rollers, adjustment by means of an edge portion	S	S	S	S	S	S	S	S
	Cross-cut saw unit “x-motion-plus”, 12,000 rpm, 0.27 kW, HWV saw blades Z 24, Ø 100 mm, 45° working angle; cutter capping 0°/20° pneumatic	-	-	-	-	S	S	S	S
	Cross-cut saw unit, 12,000 rpm, 0.27 kW, HWV saw blades Z 24, Ø 100 mm, 45° working angle; cutter capping 0°/20° manual	S	S	S	S	-	-	-	-
	Flush milling unit “x-motion-plus”, 12,000 rpm, 0.50 kW, pneumatic adjustment of the radius, flush, chamfer milling for thin edges from the control panel	-	-	-	-	S	S	S	S
	Flush milling unit, 12,000 rpm, 0.50 kW, radius milling, flush milling, chamfer milling for thin edges, adjustment by means of edge section	S	S	S	S	-	-	-	-
	Corner processing unit for soft and post-forming workpieces for processing front edges (edge thickness min.–max. 0.4–3.0 mm, max. workpiece height 45 mm, min., workpiece length 270 mm)	-	-	S	S	-	-	S	S
	Tooling for 2 mm radius	S	S	S	S	S	S	S	S
40	Tooling for 3 mm radius	O	O	O	O	O	O	O	O
10	Radius scraping unit for R= 2 mm, mechanically controlled	O	O	O	O	-	-	-	-

	G 500	G 560	G 570	G 580	G 500 x-motion plus	G 560 x-motion plus	G 570 x-motion plus	G 580 x-motion plus
15 Chipping collection box for scraper cuttings	○	○	○	○	-	-	-	-
20 Glue scraping unit, mechanically controlled	○	○	○	○	-	-	-	-
11 Radial scraping unit "x-motion-plus", switched pneumatically from the control panel for R= 2 mm; including chipping collection box for scraper cuttings	-	-	-	-	○	○	○	○
21 Surface scraper "x-motion-plus", switched pneumatically from the control panel; including insertion and stop functions on the workpiece	-	-	-	-	○	○	○	○
30 Buffing unit with 2x 900 W motors at 1400 rpm	○	○	○	○	○	○	○	○
32 Cleaning agent spraying unit for polishing unit (only with pos. 30)	-	-	-	-	○	○	○	○
42 Release agent spraying unit, machine infeed side	-	-	-	-	-	○	-	○
45 Infrared heat lamp for pre-heating board edges	-	○	-	○	-	○	-	○
50 Heated entry ruler	○	-	○	-	○	-	○	-
55 8 mm package, including strip hoppers with needle bearings for automatic feeding of solid timber edges, including a driven pressure roller. Edge dimensions (W / H) 5x 64 mm/5x 45 mm/8x 23 mm	○	○	○	○	○	○	○	○
<b>Operation</b>								
Control panel with 5.7" colour touch screen	-	-	-	-	S	S	S	S
Operating panel with LCD display and keypad	S	S	S	S	-	-	-	-
<b>Through feed</b>								
Workpiece chain feeder	S	S	S	S	S	S	S	S
11 m/min feed speed	S	S	S	S	S	S	S	S
Extensible workpiece support	S	S	S	S	S	S	S	S
<b>General</b>								
Extraction connector Ø in mm	120	120 + 2x 80	120	120 + 2x 80	120	120 + 2x 80	120	120 + 2x 80
Weight, kg (with standard equipment)	750	880	900	990	750	750	750	750
Length in mm	3200	3600	4550	4550	3200	3200	3200	3200



	G 500 x-motion-plus	G 560 x-motion-plus	G 570 x-motion-plus	G 580 x-motion-plus
A mm	1550	1550	1550	1550
B mm	3200	3600	4550	4550
C mm (Shipping width)	770	770	770	770
C mm	1100	1100	1100	1100

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