

FORMAT[®]



Edgebanders

tempora F800 60.08/60.12

tempora F600 60.06/L

tempora F400 45.03/L

PRODUCTIVITY,
FLEXIBILITY AND
USER COMFORT

“The Format-4 tempora was a real stroke of luck for us. The gain in quality is incredible, we produce great results without having to do any rework and it saves us annoying, time-consuming cleaning.”

*Construction and Cabinetmaking
Bernd Spazierer, Germany*



FOR EVERY WORKSHOP THERE IS THE PERFECT TEMPORA

Edge- and panel thickness

What are the maximum edge and board thickness that can be processed?
(page 20)

Automation

What degree of automation is needed?
(page 20–23)

- manual “m-motion”
- semi-automated “x-motion PLUS”
- automated “e-motion”

Finish

What are the requirements for a perfect “finish”? (page 16)

Budget

What level of investment is planned?

Space requirement

How much space is available?



Manuel Herzog, Germany

Processing edges needs to be as quick, easy, and efficient as possible. To achieve this, the tempora models combine the core skills of speed, productivity, flexibility and ease of use in a convincing overall package.

Solid edge-processing aggregates and an optimised machine chassis guarantee absolute stability even when running at maximum speed. The user-friendly control options "m-motion", "x-motion PLUS" and "e-motion" ensure absolute repeatability and allow shortest set-up times and fastest material changes with individually configurable machining programs.

Edgebanders

- tempora F800 60.08/60.12
- tempora F600 60.06/L
- tempora F400 45.03/L



tempora-models
available with
10,4", 15" & 21"
screen size

PRECISION AT YOUR FINGERTIP

The new generation of edge banders
with smartouch technology.

The Format-4 control systems offer
a compact overview of all possible
processing steps and allow an intuitive
and above all fast control of the machine.

"m-motion"

- Store and retrieve custom work programs
- Setting of the glue parameters (EVA or PUR)
- Order specific selection of the aggregates
- Fine adjustment of distance parameters, maintenance plan, plain text error messages, linear meter counter

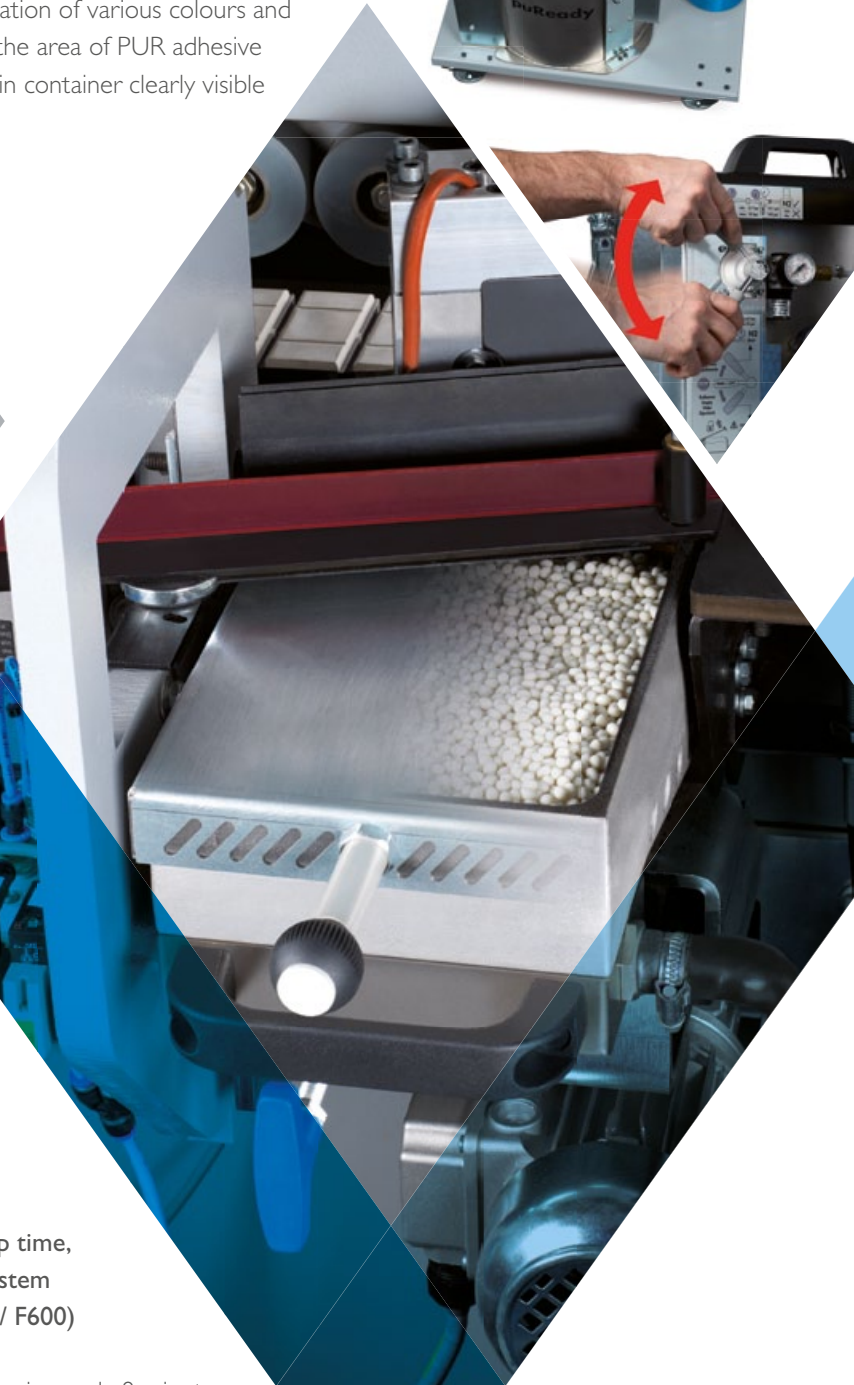
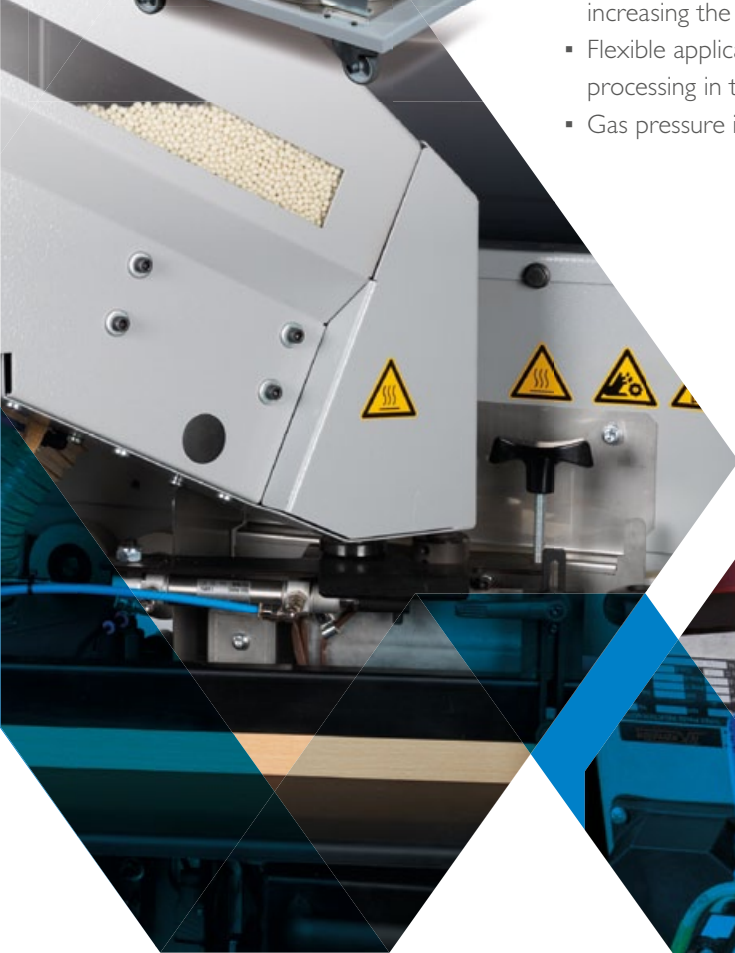
"x-motion PLUS" / "e-motion"

- Easy, self-explanatory representation of the units and their functions
- Aggregate selection and exact fine adjustment of the motor positionable aggregates (accuracy of up to 1/100 mm) all from the main control panel
- Self-explanatory symbols and status display
- Intelligent software with plain text error messages
- Unlimited memory space for custom edge banding programs
- Glue temperature setting and automatic temperature reduction of the glue whilst in standby mode
- Integrated maintenance software
- Network connection, linear meter counter



puReady: nitrogen box for PUR adhesive

- Prolonging the processing time of the PUR adhesive without reaction; For storing 2 glue pots
- Facilitate or avoid the cleaning process by increasing the reaction time
- Flexible application of various colours and processing in the area of PUR adhesive
- Gas pressure in container clearly visible



GLUE & GLUE COLOUR CHANGE IN JUST 55 SECONDS

Premelting unit EVA hot-melt adhesive

The granulate is pressed pneumatically through a high performance heating plate and flows in liquid form into the gluepot. By using the new Format-4 premelting unit, there is always fresh, colour-fast glue in the gluepot. No more unproductive interruptions for additional heating up of the glue. Both the granulate container and gluepot are equipped with quick-change system.

Short heating up time, quick-change system (tempora F800 / F600)

The tempora requires only 8 minutes to reach operating temperature. The Teflon-coated gluepot and its tool-free quick change system is suitable for EVA (ethylene vinyl acetate copolymers) and PUR (Polyurethane resin) hot melt adhesive granulates. The finely adjustable glue roller ensures the correct dosage of the adhesive used and allows perfect matching to different edge materials.

easy-clean (tempora F600 / F400)

The cleaning is additionally facilitated by the newly developed easy-clean device.



advantEdge

ADVANTEDGE

Zero-joint with PUR glue or now available with the new advantEdge

The patented advantEdge unit from Format-4 enables the optical zero-gap when processing co-extruded edge and laser edge materials. The aggregate can be activated and deactivated directly from the control unit.

AdvantEdge offers the homogenised appearance of the panel and edge material, in particular with high gloss material. Edging matched exactly to the material being processed ensures zero glue line and without

time-consuming glue changes for various colours being required, you profit from considerably reduced changeover times.



“The value for money is unbeatable and the controls really are a breeze. After a short briefing, every employee can operate the machine completely independently and efficiently, and the results are always perfect.”

*Cabinetmaking Weiß,
Germany*

PREMILLING

Absolutely tear-free for excellent edge results

With the premilling unit you will achieve splinter-free edges when processing laminated material. With exact dimensioning of the blanks, the side trimming unit takes care of the dimensionally accurate formatting of your work-pieces. On the e-motion models, the adjustment of the depth of cut is done through motorised positioning control.

Feed guide
Depth of cut
0–2/3 mm

“e-motion”

Convenient input of the chip removal on the smarttouch colour screen. The feed guide positions itself automatically and electromotively to the settings you have entered.

“x-motion PLUS” / “m-motion”

The setting of the chip removal is done manually via digital counter.



FEED SPEED

Workpiece transport

Gentle workpiece transport,
optimized feed rates

tempora-models:

tempora F800 60.12	12 m/min (20 m/min)
tempora F800 60.08	12 m/min
tempora F600 60.06/L	10 m/min (18 m/min)
tempora F400 45.03/L	9 m/min

Infrared heating lamp

The edge area is heated in an
application-controlled manner
in front of the glue unit,
ensuring better edge adhesion
on cold workpieces.

Pressure beam

Setting the workpiece height

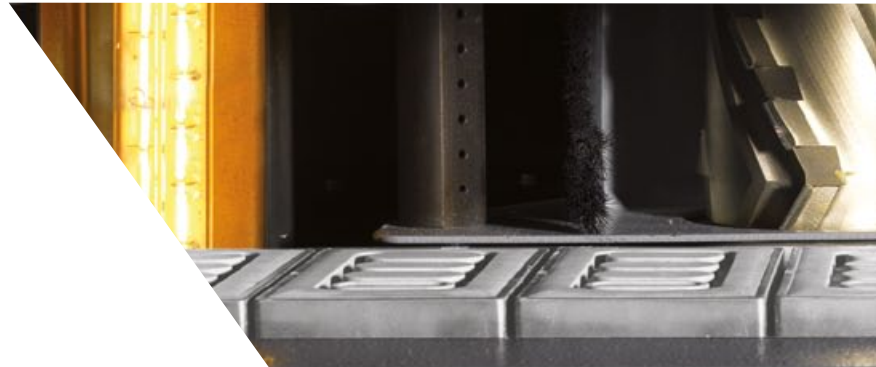
“e-motion”

Convenient input of workpiece height
on the smarttouch colour screen.

The pressure beam positions itself
automatically to the settings you
have entered.

“x-motion PLUS” / “m-motion”

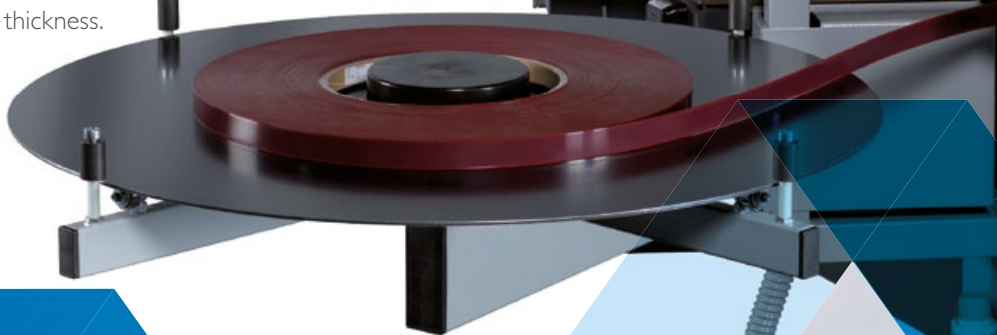
The adjustment of the workpiece height
is done manually via digital counter.



DETAILS THAT CONVINCE

Tape feed and guillotine scissors for coiled and strip material up to a thickness of 60 mm


Depending on the field of application, coiled material from 0.4 to 3.0 mm and strip material of up to 12 mm thickness can be processed for board materials up to 60 mm thickness.



The edge magazine

for the automatic feeding of strip materials (depending on equipment up to 120 mm) increases flexibility of the operator for all tempora models.





Pressure rollers Virtually invisible glue joints

The solid and operation controlled first roller presses the edging material on to the work-piece. The application control ensures that there can be no smearing of glue or movement of the edge material whilst processing. The two conical pressure rollers close the glue joint above and below.

Via the control panel (tempora F800 "e-motion" models) the two pneumatic contact pressure settings can be selected: Striped products with less pressure, coiled material with more pressure. All e-motion models have an electronically positionable pressure roller unit.

For "x-motion PLUS" and "m-motion" the settings are made via the clamping of the edging material.

Spray on lubricant: Spray unit and spray for a perfect finish without rework

Operation-controlled spray jets apply antistatic cooling agents or lubricants as and when required. These spraying agents ensure a clean processing of edges on sensitive material surfaces.

Spraying unit for cleaning agent just before the polishing unit

Spraying unit for release agent at the machine infeed side (PUR adhesive)

QUALITY GAIN WITH FORMAT-4



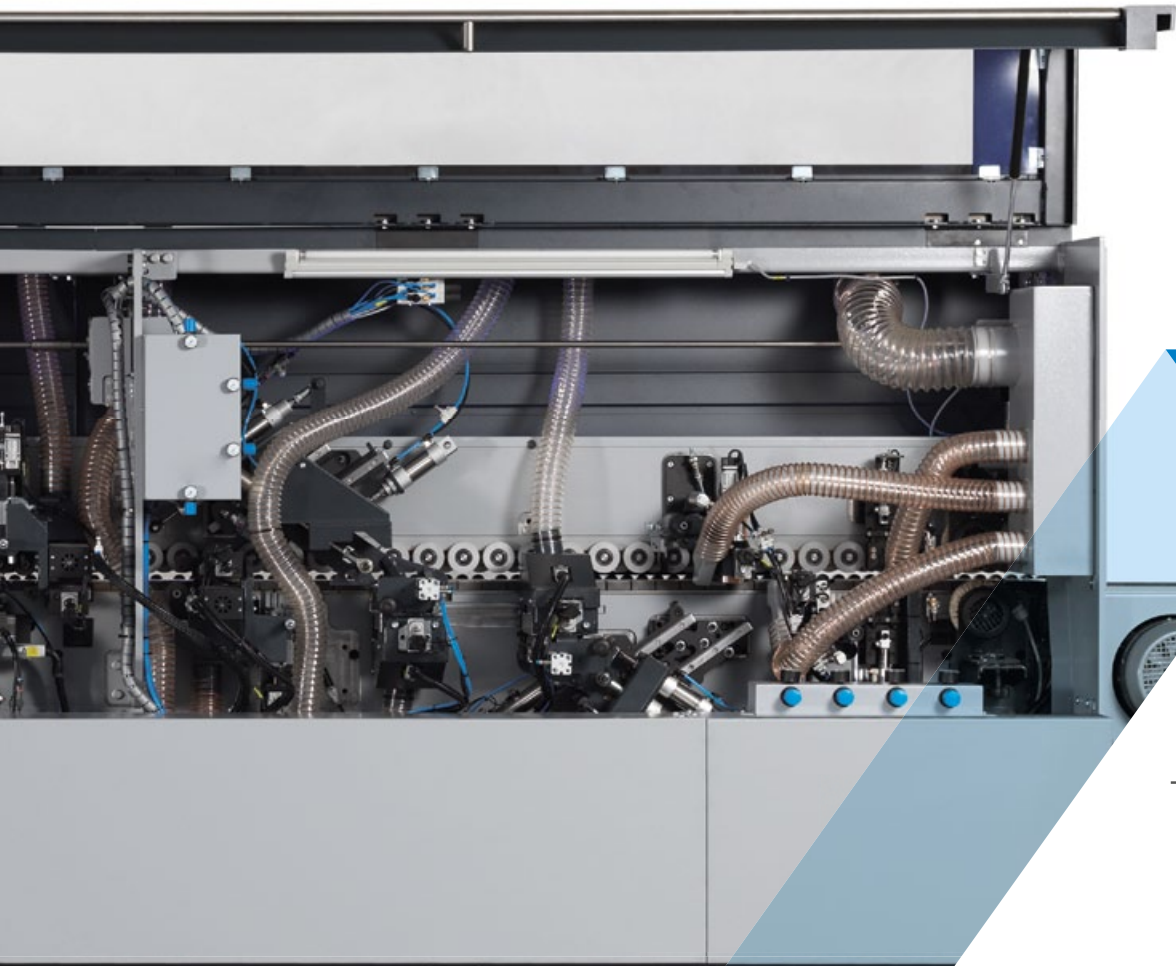
tempora F800 60.12



Linear end trimming unit

Precise final cuts thanks to optimized unit design for smoother running and best extraction results.

tempora F400
Linear end trimming unit



END TRIMMING SAWS

Precise cuts for every application repeated

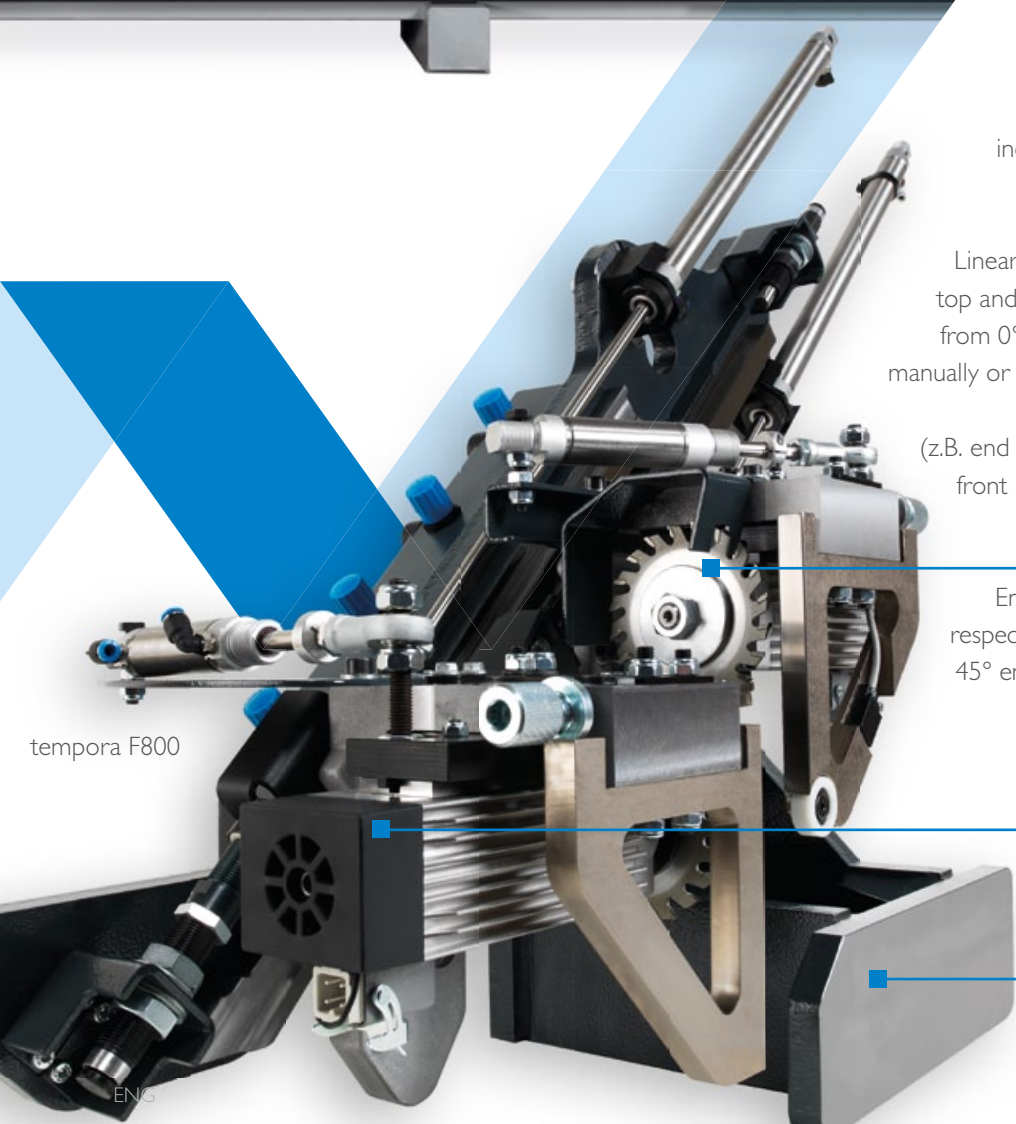
The end trimming unit consists of two independent saw trimming units with high frequency motors (12,000 rpm).

Linear guides ensure maximum precision. The top and bottom shaper cutters can be swiveled from 0° to 15° – depending on the equipment, manually or pneumatically, controlled via the control panel (z.B. end trimming 15°, end trimming only on the front of the workpiece, trimming only on the back or front and back).

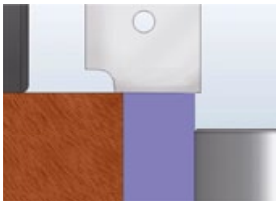
End trimming saws from 0°–10° or 0°–15° respectively; manually or pneumatically pivoted; 45° end trimming unit / with radius equipment

High frequency motors
12,000 rpm

Heavy, solid construction



tempora F800



Flush trimming of ABS/PVC-, thin edges and coiled material



Bevel trimming of thin edges and coiled material (veneer)



Radius trimming (R = 2 mm) from ABS/PVC- and veneer edges



RADIUS-, FLUSH- & BEVEL TRIMMING

Innovative precision with quick settings

The multifunctional unit for flush and radius trimming as well as bevel trimming of thin edges consists of two independent spindle moulder units with high frequency motors (12000 rpm).

Linear guides ensure highest precision and lowest maintenance. The structural optimisation of the adjustment axes for edge strength and profile ensures quickest adjustment. The multifunction aggregate is moved pneumatically into the position, controlled from the control panel.

To process thin edges, the 15" / 21" colour touch screen on the "e-motion" and "x-motion plus" models enables the settings for radius, flush and bevel trimming using an electric motor.

"m-motion"

- Absolute accuracy in repeatability thanks to "m-motion" adjustment system
- Fast conversion to different edging materials and machining operations (radius, bevel, flush)
- Compensates for dimensional tolerances of edging material

PRODUCTIVITY, WHICH YOU SHOULDN'T DO WITHOUT

Single-motor corner rounding unit

The Format-4 corner rounding unit provides the perfect "finish" of workpiece corners (for both softforming and postforming materials) for edge materials from 0.4 mm to 3.0 mm and a processing height of 60 mm at a feed speed of 12 m/min. The solid cast iron construction, linear guides and diamond

cutters with centrifugal clutch ensure long-lasting precision. The control of the corner rounding unit is done via the control panel - with the choice as to which corners are to be rounded (only on the front side of the workpiece, only the rear, or the front and rear).

NO TIME CONSUMING POST PROCESSING OF THE WORKPIECE!

Two-motor double corner rounding unit

Especially in the post and softforming sector, the tempora F800 60.12 / F600 60.06 with double corner rounding unit offers a new dimension in edgebanding. Workpieces can be manufactured in just one work step with different profiles and the perfect "finish" completely eliminates complex rework.

BEFORE

AFTER

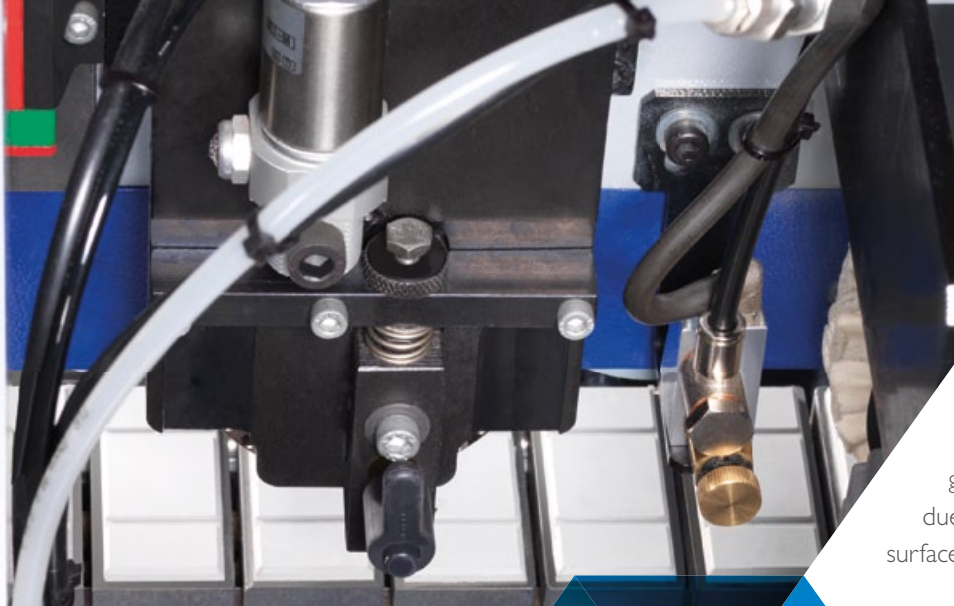
THE PERFECT "FINISH" – A QUALITY CRITERION

Radius scraping unit

The easy-pulling cut removes any radius-milling marks and creates a perfect, smooth "finish". Depending on the equipment, the radius glue scraper unit is controlled manually or by 2-axis motorized position control via the smarttouch colour screen.




Grooving unit



Operation controlled glue scraping unit

For a perfect workpiece surface "finish". The easy-pulling cut of the glue scraping unit removes all glue residue from the glue joint on the workpiece surface. The standard chip extraction system guarantees a high quality "finish".



Grooving unit for horizontal and vertical grooves

Used in a vertical position for rear wall grooves and horizontally for tongue and groove connections, it reduces post processing steps on the spindle moulder. The change of position (vertical or horizontal), is carried out manually and can be done in seconds. The settings for the position and depth (0-15 mm) of the groove can be easily selected on the colour touch screen and set with 1/100 millimetre precision. Depending on desired groove thickness, (4-7.5 mm) special grooving saw blades can be used.



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, as an option, be equipped with spraying equipment to apply polish onto the workpiece.

PRODUCTION MAXIMISATION FOR SINGLE PERSON OPERATION ALSO FOR YOUR WORKSHOP

Return system

U-motion classic / U-motion professional

The new edgebander return systems bring production maximisation for single person operation also to your workshop: The adjustable feed speed of the material-friendly conveyor belt ensures a constant material flow, free from interruption with minimum distances between the workpieces. Regardless of whether it is equipped with a transverse conveyor or a rotatable head, the impressive rate of 14 workpieces per minute ensures that optimum efficiency is guaranteed and you maximise the production output of your edgebander.



	U-motion classic	U-motion professional
Rotation function	x	S
Length of cycle	14 components/minute	14 components/minute
max. panel size	2,800 x 1,300 mm	3,000 x 1,500 mm
Max. load	60 kg	60 kg



PERFECTLY STOWED - FAST AT HAND

storEdge edge storage

Ten storage compartments and a roller support tray for storing, processing and fast feeding of edge materials to the machine. For different edge thicknesses and heights.



U-motion classic

Your advantages at a glance:

- Maximum productivity & reduced production costs through one-man feeding
- The healthy workshop: fatigue-free, disc-sparing work – fewer days lost
- Perfect handling of materials – no more scratches!
- Numerous configuration options make it individually configurable



U-motion professional

EQUIPMENT & TECHNICAL DATA



		tempora F800 60.12 "e-motion" / "x-motion PLUS"	tempora F800 60.08 "e-motion" / "x-motion PLUS"
Edge- & panel thickness	Workpiece height	0.3–2.36 " (8–60 mm)	0.3–2.36 " (8–60 mm)
	Tape thickness	0.4–3 (12) mm	0.4–3 (8) mm
	Min. workpiece length	5½ " (140 mm)	5½ " (140 mm)
Chain feeder	Feed rate	12/20 m/min.	12 m/min.
Operation	smartouch control unit	10.4 " Touchscreen	10.4 " Touchscreen
	smartouch "x-motion PLUS" control unit	21 " Touchscreen	21 " Touchscreen
	smartouch "e-motion PLUS" control unit	21 " Touchscreen	21 " Touchscreen
Control modules	"m-motion"	x	x
	"x-motion PLUS"	S	S
	"e-motion"	O	O

PACKAGES

Many customers find it a challenge to decide which individual units, processing possibilities and which equipment their future machine should have. For this reason, we offer unique customer orientated packages on the tempora series, which meet the general requirements of the majority of our customers. Working closely together with wood-workers, we have gathered experience and information and implemented it. This then makes it possible to meet the requirements of the customer professionally and above all quickly.

The x-motion plus and the e-motion packages vary slightly.

Your sales advisor would be happy to provide you with more details.

tempora F800 60.12
"e-motion" / "x-motion PLUS"

Professional package

- Pneumatic / mechanical barrier prevents premature feeding
- Premillers with replaceable cutters 60 mm in height instead of 49 mm
- Reverse function for the glue applicator roller
- Motorised adjustment and positioning of the corner rounding cutters
- Flush scraping unit, pneumatically controlled
- Spraying unit for cleaning agent before buffing unit
- LED lighting

tempora F800 60.12
"e-motion" / "x-motion PLUS"

Performance package 1

- Chain feeder with 12 and 20 m/min. feed speed
- Preparation for retrofitting of a premelter
- Pneumatic / mechanical barrier prevents premature feeding
- Motorised adjustment and positioning of the corner rounding cutters
- Premillers with replaceable cutters 60 mm in height instead of 49 mm
- Reverse function for the glue applicator roller
- Flush scraping unit, pneumatically controlled
- LED lighting
- Spraying unit of releasing agent on the machine infeed side
- Spraying unit of lubrication agent
- Spraying unit for cleaning agent before buffing unit

tempora F800 60.12
"e-motion" / "x-motion PLUS"

Performance package 2

- Chain feeder with 12 and 20 m/min. feed speed
- Preparation for retrofitting of a premelter
- Pneumatic / mechanical barrier prevents premature feeding
- Corner rounding unit with 2 independent motors for soft and postforming workpieces for machining the front and long edges with 0.4-3 mm Edge thickness and 10-60 mm workpiece height
- Premillers with replaceable cutters 60 mm in height instead of 49 mm
- Reverse function for the glue applicator roller
- Flush scraping unit, pneumatically controlled
- LED lighting
- Spraying unit for release agent on the machine output side
- Spraying unit of lubrication agent
- Spraying unit for cleaning agent before buffing unit



tempora F600 60.06/L “m-motion” / “x-motion PLUS”	tempora F400 45.03/L “m-motion” / “x-motion PLUS”
0.3–2.36 " (8–60 mm)	3/8–1 3/4 " (10–45 mm)
0.4–3 " (6) mm	0.016–1/8 " (0.4–3 mm)
5 1/2 " (140 mm)	140 mm
10/18 m/min.	9 m/min.
10.4 " Touchscreen	10.4 " Touchscreen
15 " Touchscreen	15 " Touchscreen
x	x
S	S
O	O
x	x

tempora F800 60.12
“e-motion” / “x-motion PLUS”

Complete package

- Chain feeder with 12 and 20 m/min. feed speed
- Preparation for retrofitting of a premelter
- Pneumatic / mechanical barrier prevents premature feeding- Grooving unit for horizontal or vertical machining, motorized adjustment X + Y axis
- Motorised adjustment and positioning of the corner rounding cutters
- Premillers with replaceable cutters 60 mm in height instead of 49 mm
- Reverse function for the glue applicator roller
- Flush scraping unit, pneumatically controlled
- LED lighting
- Spraying unit for release agent on the machine output side
- Spraying unit of lubrication agent
- Spraying unit for cleaning agent before buffing unit

tempora F800 60.08
“e-motion” / “x-motion PLUS”

Professional package

- Pneumatic / mechanical barrier prevents premature feeding
- Premillers with replaceable cutters 60 mm in height instead of 49 mm
- Reverse function for the glue applicator roller
- Flush scraping unit, pneumatically controlled
- LED lighting

tempora F600 60.06
tempora F600 60.06 L

“x-motion PLUS” package

- “x-motion PLUS” control with 15" smartouch display and integrated maintenance software as well as available network connection
- “x-motion PLUS” end trimming unit with 2 pneumatically swiveling motors
- “X-motion PLUS” Multi-function trimming unit for flush, radius and bevel trimming on thin edges with 2 independent motors, motor-positioned edge adjustment from the control panel
- 1 or 2 motor corner rounding unit, depending on the equipment for soft- and postforming profiles
- 2-axis motor-positioning-controlled radius scraper incl. pneumatic release function

tempora F 400 45.03
tempora F400 45.03 L

“x-motion PLUS” package

- “x-motion PLUS” control with 15" smartouch display and integrated maintenance software as well as available network connection
- “X-motion PLUS” Multi-function trimming unit for flush, radius and bevel trimming on thin edges with 2 independent motors, motor-positioned edge adjustment from the control panel

EQUIPMENT & TECHNICAL DATA



		tempora F800 60.12 “e-motion” / “x-motion PLUS”	tempora F800 60.08 “e-motion” / “x-motion PLUS”
Edge feed	Rollers and strip material	S	S
	Strip magazine	S	S
Rough trimming unit	Side trimming unit up to 45 mm processing height	45 mm, D 80	45 mm, D 80
	Side trimming unit up to 60 mm processing height	60 mm, D 80 with insertable cutter knives	60 mm, D 80 with insertable cutter knives
adhesive application	Gluepot	Capacity of 1.5 kg, 375 mm on a 19 mm panel	Capacity of 1.5 kg, 375 mm on a 19 mm panel
	advantEdge	×	×
	Bag premelter	○	○
	air-motion	○	○
	Cleaning unit easy-clean	×	×
End trimming unit	Linear end trimming unit	×	×
	45° end trimming unit / with radius equipment	×	×
	End trimming unit with 2 independent motors	pneumatically swiveling 0–15°	pneumatically swiveling 0–15°
Multifunction milling aggregate	for flush, radius and bevel milling at thin edges	motor-positioning-controlled edge adjustment	motor-positioning-controlled edge adjustment
Corner rounding unit	1 motor corner rounding processing unit	60 mm height	60 mm height
	2 motor corner processing unit	motor-positioning-controlled corner processing unit	×
	Grooving unit	○	×
Finishing aggregates	Radius scraper	2-axis motor-position-controlled	2-axis motor-position-controlled
	Glue scraper	pneumatically operated	pneumatically operated
	Nesting package glue scarping unit	○	○
	Buffing unit	S	S
Spraying units	Spraying unit for releasing agent	○	○
	Spraying unit for antistatic coolant	○*	○*
	Spraying unit for lubrication agent	○*	○*
	Spraying equipment for cleaning and polishing agents	○	○
Equipment	Nesting package	○	○
	LED lighting	○	○
	Infrared heating lamp	○	○
	Guillotine shears	S	S
	Pressure unit	S	S
Return systems	u-motion classic	○	○
	u-motion professional	○	○



tempora F600 60.06 L "x-motion PLUS"	tempora F600 60.06 "x-motion PLUS"	tempora F400 45.03 L "x-motion PLUS"	tempora F400 45.03 "x-motion PLUS"
S	S	S	S
120 mm capacity	120 mm capacity	x	x
45 mm, D 80	45 mm, D 80	45 mm, D 80	45 mm, D 80
60 mm, D 80 with insertable cutter knives	60 mm, D 80 with insertable cutter knives	60 mm, D 80 with insertable cutter knives	60 mm, D 80 with insertable cutter knives
Capacity of 1.5 kg, 375 mm on a 19 mm panel	Capacity of 1.5 kg, 375 mm on a 19 mm panel	Capacity of 1.5 kg, 375 mm on a 19 mm panel	Capacity of 1.5 kg, 375 mm on a 19 mm panel
advantEdge	advantEdge	x	x
x	x	x	x
x	x	x	x
O	O	O	O
x	x	S	S
x	x	O	O
pneumatically swiveling 0–10°	pneumatically swiveling 0–10°	x	x
S	S	S	S
60 mm height	x	45 mm height	x
60 mm height	x	x	x
x	x	x	x
m-motion execution	m-motion execution	m-motion execution	m-motion execution
pneumatically operated	pneumatically operated	O	O
O	O	x	x
S	S	S	S
O	O	O	O
x	x	x	x
O*	O*	O*	O*
O	O	O	O
O	O	O	O
O	O	O	O
S	S	S	S
S	S	S	S
O	O	x	x
O	O	x	x



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VIDEO

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