FORMAT 4®

tempora F400

COMPLEX EDGE PROCESSING HAS NEVER BEEN EASIER



EUK

FORMAT 4®

Complex edge processing has never been easier

Panel material



Time as a resource was the main focus in the development of the Format4 tempora series. With the tried-and-tested high-tech units from the Format4 tempora family in customised configurations and the intuitive smartouch control system, edgebanding has never been so fast, easy and efficient.

Simply convincing: completely revised, solid machining units for the highest demands in a new design, a solid, heavy-duty machine base-frame as well as precise dust extraction. The m-motion and x-motion Plus control systems ensure maximum repeatability and allow customised processing programs to be generated, reducing set-up times for fast processing and material changes.

The Format4 tempora series was created to meet individual customer requirements. This allows you to flexibly choose the units in the models or to add the x-motion Plus package.

Variations

Models & Your Advantages



tempora F400 45.03L

» Installation length: 4230 mm
» Edge thickness: 0.4–3 mm
» Workpiece thickness: 8–45 mm
» Control unit smartouch with 10,4″
» Max. 45 mm corner rounding unit capacity
» Glue applicator unit for processing EVA and PUR adhesives and easy-clean



tempora F400 45.03

» Installation length: 3600 mm
» Edge thickness 0.4–3 mm
» Workpiece thickness: 8–45 mm
» Control unit smartouch with 10,4″
» 3 free spaces for finishing units
» Glue applicator unit for processing EVA and PUR adhesives and easy-clean

VIDEO

FORMAT4 Premium Machines for Premium Requirements

» Constantly high performance in industrial continuous operation
» Customer specific optimised production solutions
» Solid design with premium components
» Wide range of configuration packages with high-tech solutions
» Complete engineering precision
» Premium user comfort
» Award winning design
» Quality and precision from AUSTRIA
» Uncompromising productivity
» Perfect service package before, during and after the purchase
» Tailor made financing solutions

The most important highlights at a glance



Smartouch control unit with “m-motion”

The new Smartouch control unit with 10.4” touch-screen and m-motion control enables a quick and easy selection and control of the aggregates as well as the complete monitoring of all machine functions.

- Storage and loading of user-defined working programs
- Selection of motor-driven positioning units
- Fine-adjustment of the aggregates in the range of 1/100th of a millimetre
- Intuitive adjustable and self-explanatory display of the aggregates
- Setting of the glue parameters (EVA or PUR)
- Order specific selection of the aggregates
- Fine adjustment of the distance parameters
- Maintenance plan, clear text error messages, odometer for total metres of material used

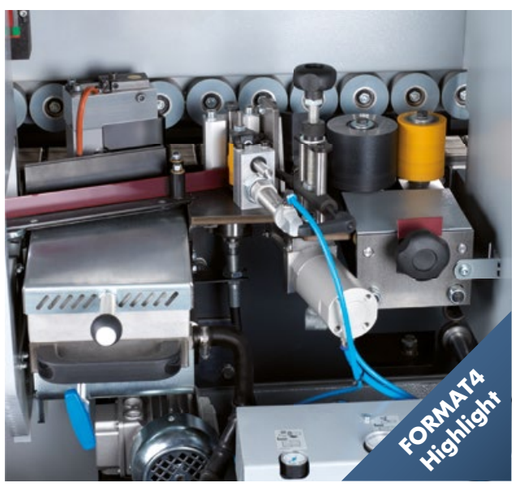
Edge feed for panel material with up to 45 mm thickness

Depending on the application, continuous edging film from 0.4 mm to 3.0 mm can be glued to panel materials up to 60 mm in thickness.



Gluepot – short warm-up time, quick operational readiness

The Teflon coated gluepot for PUR or EVA glue has a 1.5 kg capacity and as such around 375 metres of edge material can be applied to a 19 mm panel. The short warm-up time of only 10 minutes guarantees quick operational readiness. Upon request, the integrated easyclean unit simplifies and speeds up the cleaning and glue replacement process.



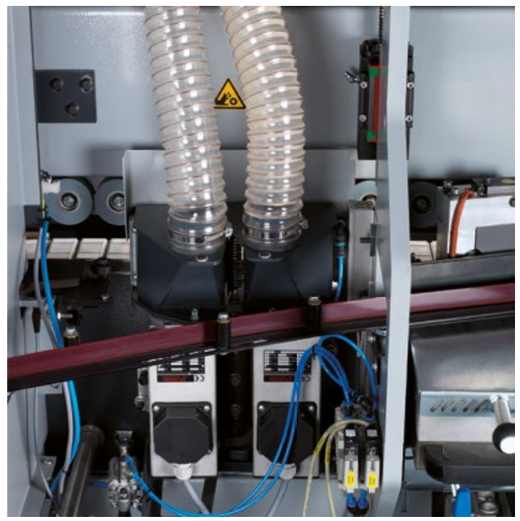
Details

smartouch Control with x-motion plus

The smartouch control unit with network connection reduces the manual settings to a minimum and enables a quick, easy and intuitive selection and control of the aggregates as well as the complete monitoring of all machine functions from the screen. The features of the smartouch include:

- Unlimited memory for user-defined edge processing programs
- Maintenance plan, odometer for total meters of material used
- Easy, self-explanatory representation of the units and their functions
- Selection of the aggregate and exact fine adjustment of the motor positionable aggregates (accuracy of up to 1/100 mm) all from the main control panel
- Glue temperature setting and automatic temperature reduction of the glue whilst in standby mode Now available in two screen sizes: 10.4” and 15”



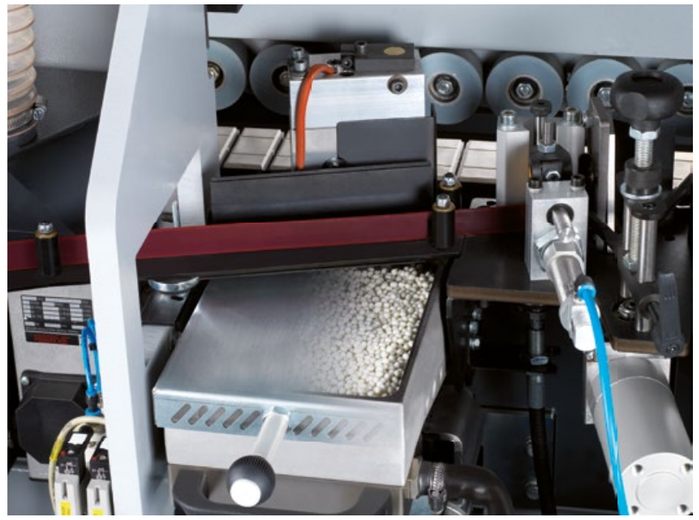


Premilling unit Ensures a perfect “finish”

Two counter rotating, activation controlled and individually adjustable premilling units with diamond laminated spiral cutters ensure first class edge processing before the material is glued to the edge. With the premilling unit you will achieve chip free edges when processing laminated material. With exact dimensional allowance in the raw cut, the premilling unit takes over the dimensionally accurate formatting of your workpieces.

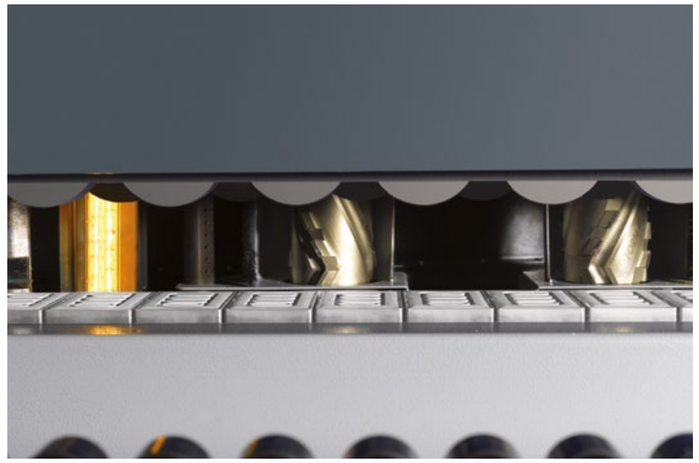
Quick Change gluepot

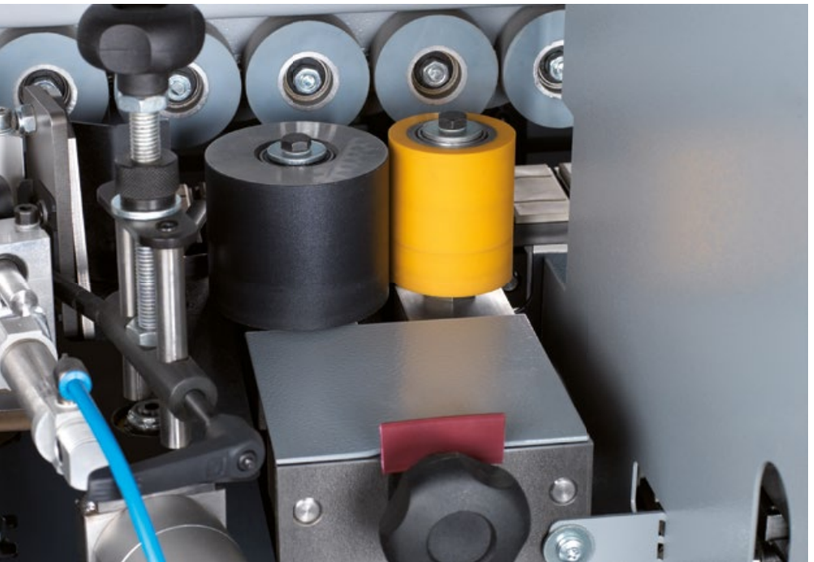
The tool-free quick change system of the glue pot guarantees shortest cleaning and changeover times when changing glue or colours. The synchronised, fine-adjustable glue roller ensures the right glue application amount. The changeable glue pot is also ideal for the processing of PUR glue.



Infrared lamp so the edging adheres better to cold workpieces

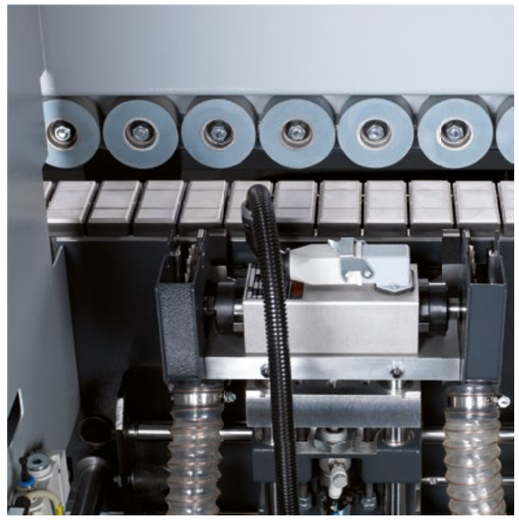
The activation controlled, high quality infrared quartz heating lamp heats the edge surface before the panel reaches the glueing unit, ensuring maximum process reliability with improved adhesion, particularly on cold workpieces.





Pressure zone – Practically invisible glue-joint

A Teflon-coated aluminium roller at 90° and a rubber contact roller form the contact zone. The contact pressure can be adjusted manually by inserting the edge material to set it for the type of edge material to be processed. Adjustment is done manually using the m-motion positioning system.



Linear end trimming unit

The end trimming unit with 90° round guiding bar and a high frequency motor with 0.15kW and a speed of 12,000rpm. guarantees an excellent cut in both, the horizontal and vertical direction. The independent copy shoe settings enable the separate adjustment of the edge overhang at the rear and at the front of the panel. The effortless processing of special shaped panels is possible through the free edge cut selection.

Multi-functional Trimming Unit
Innovative precision with quick setup

Multifunction unit for bevel, flush and radius trimming, as well as the processing of thin edges, consists of two independent routing units with high frequency motors (12,000 rpm). Linear guides ensure highest precision and lowest maintenance. The structural optimisation of the adjustment axes for edge strength and profile ensures quickest adjustment. Depending on the configuration, the multifunction aggregate is brought into position manually or pneumatically via the control panel.

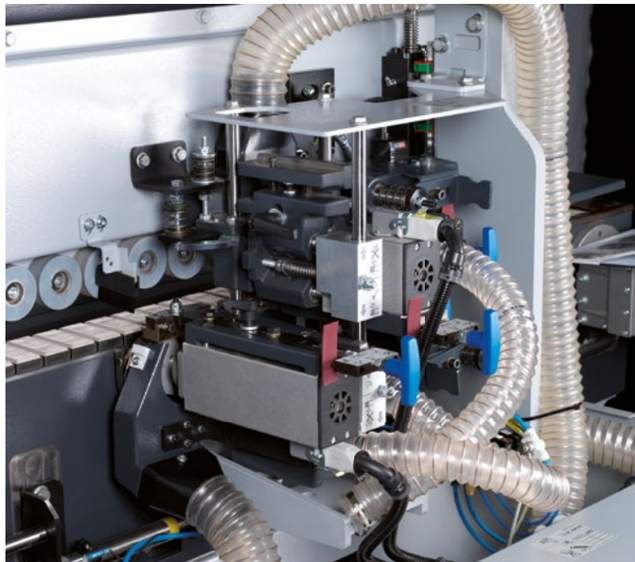


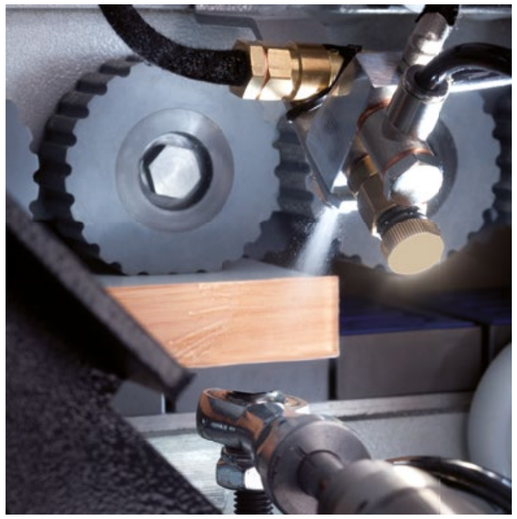
Pressure zone – Practically invisible glue-joint

The end trimming unit consists of two saw units that are powered by a high-frequency motor (12,000 rpm). Vertical movements ensure maximum precision and durability when trimming the edging material. The unit is available for two different processing modes:

Variant 1: Changeover between 90°caps and caps with 20° bevels possible
Variant 2: Changeover between 90°caps and caps with vertical radius possible

You can freely choose here whether only the front, only the back or both sides are to be processed. Working at an oblique angle prevents tearing of edge material made of real wood.

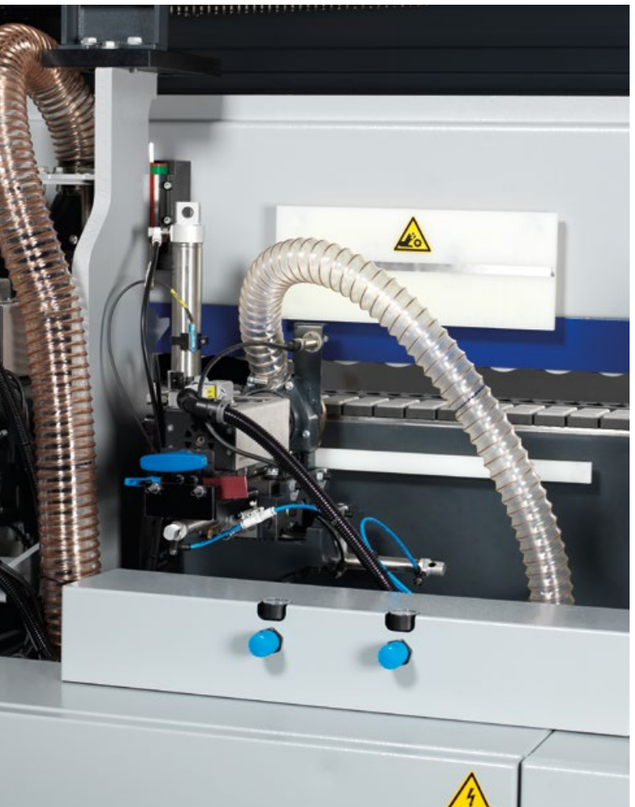




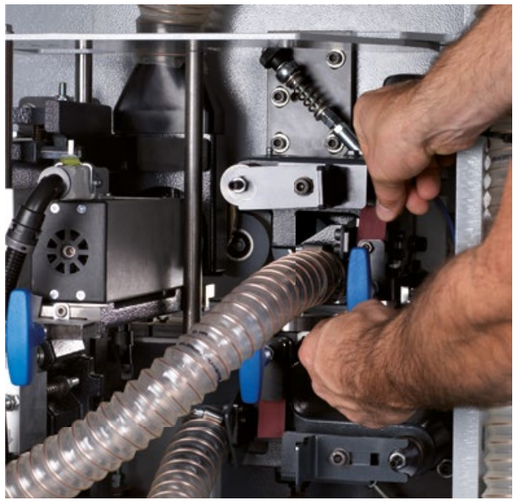
Spray equipment for the application of solutions to leave a finished work-piece that requires no further processing
Low consumption thanks to application-controlled spray nozzles for the application of release agents for PUR adhesives, antistatic coolants and lubricants for sensitive edge materials as well as cleaning and buffing agents for clean components ensure a perfect "finish" without touch-ups.



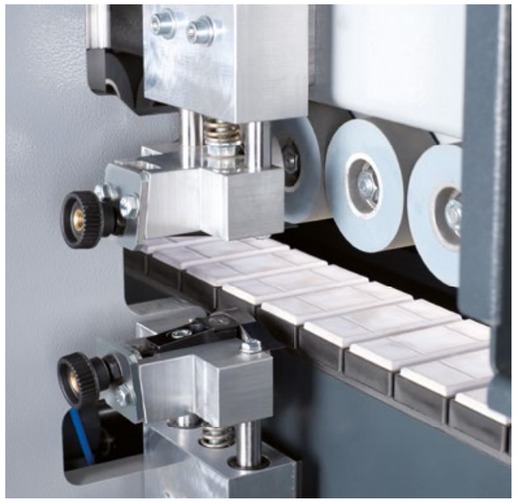
„Nesting" Package
The "Nesting" Package optimizes the processing of workpieces with cup hinge holes or surfaces with acute angles.



Corner Rounding Unit
An indispensable option for increased productivity (tempora F400 45.03L)
No time consuming post processing of the workpiece! The Format4 corner rounding unit provides the perfect "finish" of workpiece corners (including softforming and postforming materials) for edge material from 0.4–3.0 mm and a processing height of 40 mm at a feed speed of 9 m/min. The solid cast iron construction, linear guides and TC cutter with start-up coupling 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).



Radius glue scraper
Radius mill marks are removed using a slight pulling cut resulting in a perfect, smooth "finish". The fine-adjustment is carried out manually



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



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. Superior "finish" for ABS and PVC edging material. The machine can, on request, be equipped with spraying equipment to apply polish onto the workpiece.



Save twice the space. Format4storedge
The Format4 storEdge offers space saving storage of your edge material, replaces the edgebander support plate and can be placed next to the machine as and when required.

Product range



kappa 590 x-motion | kappa 590 e-motion | kappa 550 x-motion/PCS® | kappa 550 e-motion/PCS® | kappa 550/PCS® | kappa 450 x-motion/PCS® | kappa 450/PCS®

Sliding Table Panel Saws



profil 92 M e-motion | profil 45 M x-motion | profil 45 M | profil 45 Z x-motion | profil 45 Z

Spindle Moulders



dual 51 | plan 51L | exact 63 | exact 51

Planer



tempora F1000 classic/professional/performance | tempora F800 60.12 e-motion | tempora F600 60.06L | tempora F600 60.06L glueBox® | tempora F400 45.03/L

Edgebanders



industry 1352/1353/1354 | finish 1352/1353 modular | finebrush 1353/1355 | finebrush 953

Wide Belt Sanding & Brushing Machines



HVP Typ 1/2/3/4

Heated Veneer Presses



creator 1250 | c-express 920 | D-Jet | profit H500R | profit H350R | profit H300R | profit H200R

CNC Machining Centres



profit H150/100 | profit H80I | profit H08 | profit 60N | profit 60NZ

Nesting-CNC Machining Centres



kappa V60 | kappa automatic classic | kappa automatic 85/100 edition

Industrial Panel Saws



v-motion 20:90 classic | u-motion classic | u-motion professional | I-motion | c-motion dynamics | robot-motion

Vacuum panel lifter, Return systems & Feeding Units

FORMAT 4 ®

FORMAT4 Uncompromising expertise for the highest of requirements

The Felder Group premium brand has met the highest standards of professional users since 2001.
The customised high-performance solutions are uncompromisingly innovative, offer maximum operating comfort and complete productivity.

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