

Your gluing
solutions partner

MELER 

RAPTOR EDGE

AUTOMATIC
ADJUSTMENT
SOLUTION FOR
EDGE BANDING



RAPTOR
by meler

RAPTOR EDGE

TO OPTIMIZE YOUR PRODUCTIVITY

The application of adhesive in edgebanding processes is carried out intermittently with alternating series of boards of different thicknesses. Versatility and speed are key in this production process.

Raptor Edge is Meler's automatic adjustment solution for edgebanding that improves productivity thanks to its agility to adapt precisely to the change of format.

APPLICATOR

> RAPTOR EDGE

FOR GREATER AGILITY & QUALITY

Raptor Edge is a slot nozzle applicator, designed to work with PUR adhesives, with a compact motorization system.

- **Accuracy:** motorized opening-closing with decimal adjustment. Fast cutting module (no adhesive overflow).
- **Format:** configurable on customer's request: left/right, module positioning (vertical, inclined).
- **Integration:** the applicator support bracket is designed to ensure quick adjustment and removal for daily cleaning and maintenance.
- **Models available** depending on the lamination width :

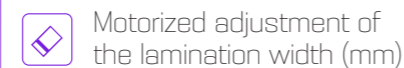
0-60 mm

0-100 mm

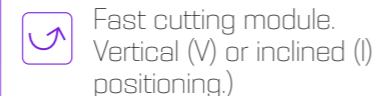
0-150 mm



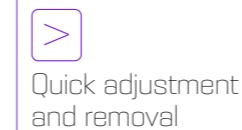
Protective casing



Motorized adjustment of the lamination width (mm)



Fast cutting module. Vertical (V) or inclined (I) positioning.



Quick adjustment and removal



CONTROLLER

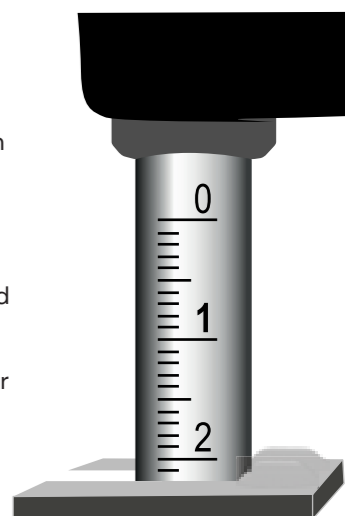
> MOTION SYSTEM

FOR A DYNAMIC PRODUCTION

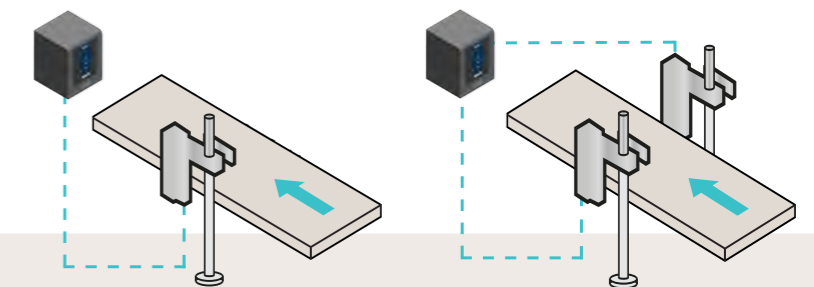
Raptor Edge integrates the Motion touch control system that allows automatic adjustment of the application width with total accuracy.

- **Ergonomics:** immediate adjustment and reading of the lamination width through a 7" touch screen.
- **Dual control:** automatic regulation of the lamination width of up to 2 applicators simultaneously.
- **Recipes** and working patterns (up to 30 products).
- **Automatic homming:** which automatically positions the applicator on the "0".
- **Safety:** automatic closing at the end of the day. Lockout until set temperature is reached. Automatic reset to the last used position.
- **Options:** integrated application controller and industrial communications.

PROGRAMMING TOLERANCE
± 0,1 mm



Examples of installation on single or double edgebanding line:



KEY ASPECTS



PROCESS AUTOMATION



EASY INTEGRATION



EASY MAINTENANCE



ADHESIVE FLOW ACCURACY

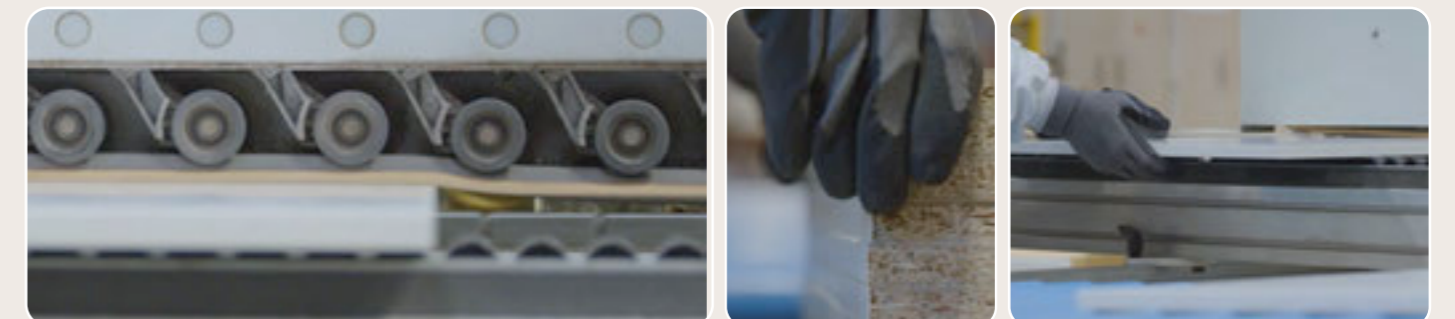


REDUCTION OF LINE STOPPAGES

ADVANTAGES

- Closed system for the application of **PUR adhesives** that prevents crosslinking
- **Tactile control** of the lamination width
- Multiple **recipes**
- **Ergonomic and easy to use**
- Compatible with **EVA, PUR or polyolefins** adhesives

APPLICATIONS



Raptor Edge: the solution for total edgebanding control



TECHNICAL FEATURES

RAPTOR EDGE

Coating width (mm)	0-60/0-100/0-150
Sensor type	MO1:Pt100; NO1:Ni120; RO1:NTC; DO1:Pt100 ITW
Max. operating temperature	200 °C (392°F)
Heating power	350 W
Max. air pressure	6 bar
Max. hydraulic pressure	90 bar (1305 psi)
Supply voltage	24 VDC
motor from the melter	230 VAC, 50/60 Hz

MOTION SYSTEM

Supply voltage	100-264 V / 47-63 Hz
Power	Up to 25 W/channel (per output pair)
Channel output voltage	24 VDC
Screen	7"
Output 0-10 V (without insulation)	24 VDC (supply) 0 - 10 VDC (signal)
Output 0-10 V (insulated)	0 - 10 VDC (signal)
Photocell/encoder	24 VDC (supply) 24 VDC salida PNP (signal)
Number of channels	1 or 2
Number of applicators per channel	1
Number of photocells	1 or 2
Number of Encoder/Input 0-10 V	1
Number of channel inhibitors	1
Languages	English, French, German, Italian, Spanish
Optional systems	Integrated application controller Communication protocols
USB Connection	For backup and software update (Windows App)

FINISHED PRODUCT



CERTIFICATIONS

