



**CEHISA**

**XPERT**  
SERIES

C-Motion Tech. equipped

#Wearetech



# XPERT SERIES

## C-Motion Tech. equipped



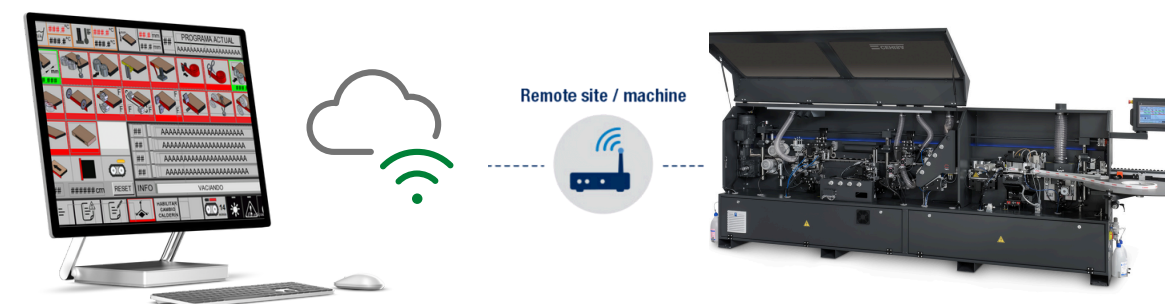
### COMPOSITION



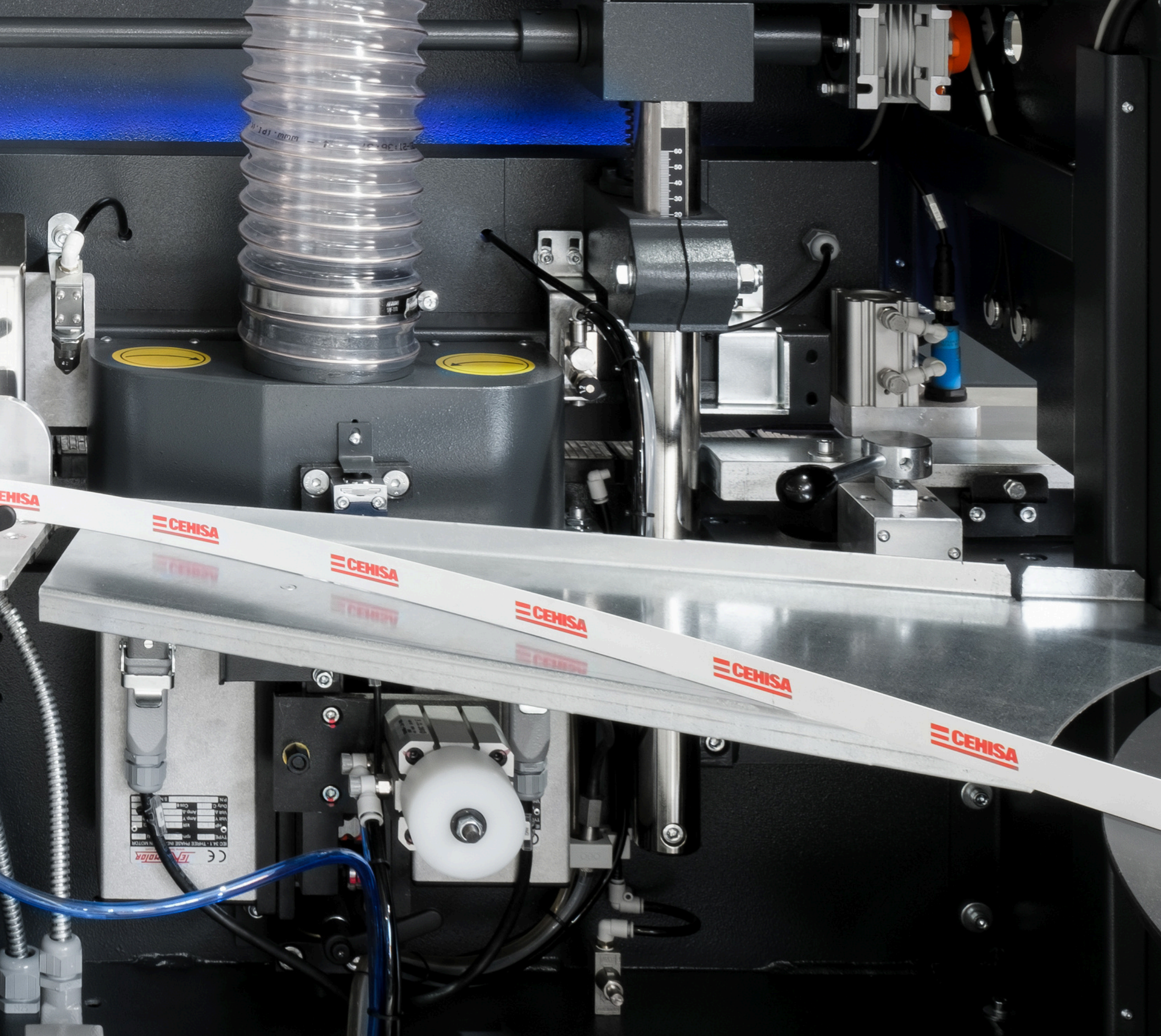
Edge band thickness (Rolls / Wood strips) : 0,4 - 3 / 5 mm  
Panel thickness: 8 - 60 mm  
Working speed: 11m/min  
Motorized axes: Up to 11  
Double blade system on Radius Scraper  
Compressed air connection: 6 - 7 BAR  
Installed power: 10,5 kW  
Dimensions (installed): 4900 x 680 x 1430 mm.



Up to **11 axes** controlled with **C-motion Tech.**  
**Motorized** pressure beam with encoder  
**Double blade** system on Radius Scraper  
**Remote Connectivity Kit**  
Different types of adhesives and invisible joints with **AirFlow System**



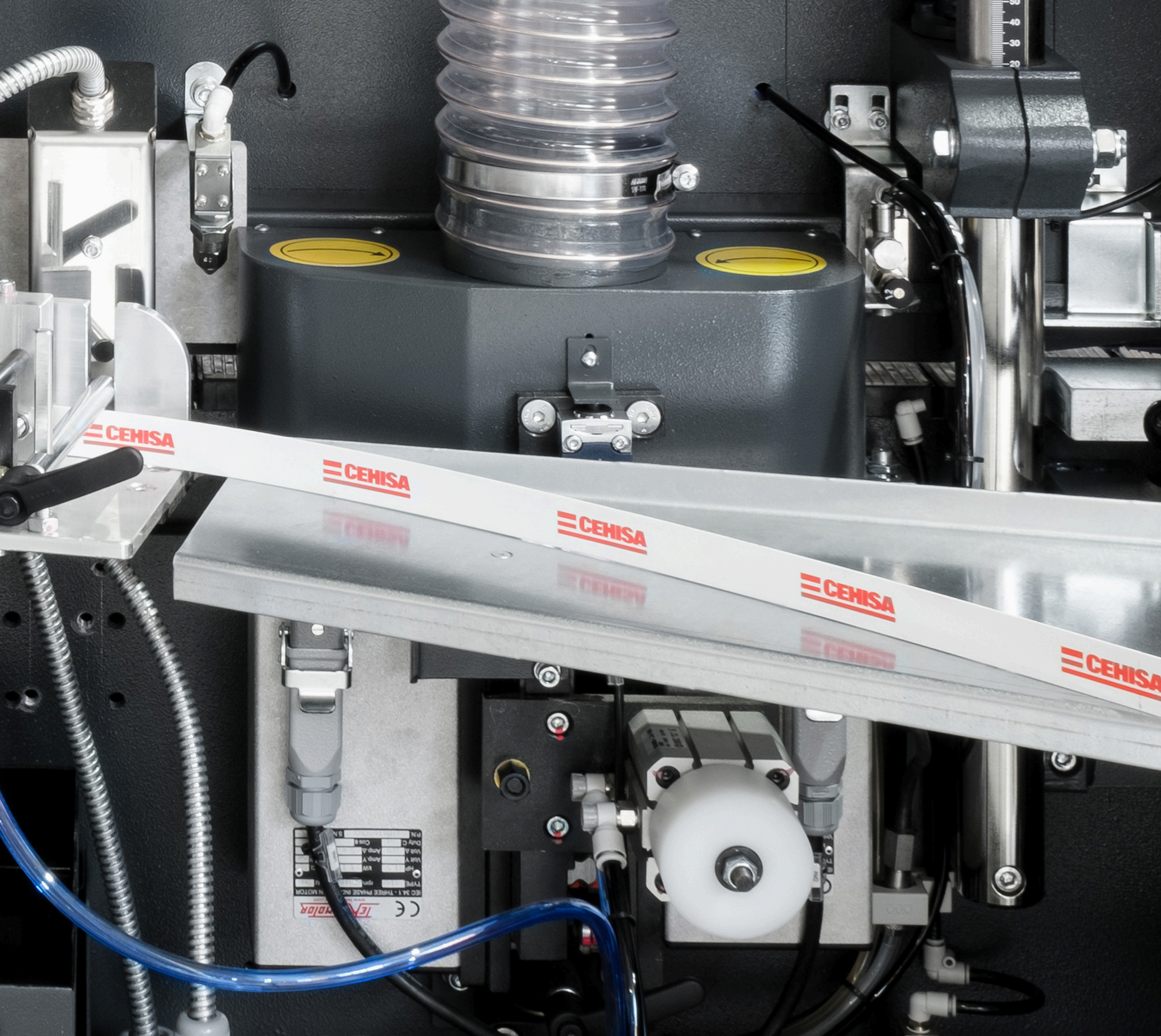




## FEEDING STATION

- Tray for the roll of edging material
- Timer controlled automatic feeding allowing the precise adjustment of the in-feed surplus and minimizing the waste of edging material
- Pneumatic pre-cutting guillotine ( up to 3 mm PVC/ABS edges thickness)
- Longer and reinforced infeed fence
- Feeding tray with non-return tape system
- OPTIONAL : C-Motion motorized axis in infeed fence





## PRE-MILLING STATION **PF-2**

- 2 x HF motors - the first 1,1 kW, rotating CCW and the second 0,75 kW rotating CW, with pneumatic pressure control, providing optimum finish
- New air blow nozzles for removing dust
- Aluminium milling heads with interchangeable DIA cutters
- - Standard tooling spec:  $\varnothing 60 \varnothing 20 H35 Z6$   
**OPTIONAL** tooling spec:  $\varnothing 60 \varnothing 20 H65 Z6$





# GLUE APPLICATION UNIT M2-NS

- New design with improved thermodynamics, granting a shorter heating time with less power consumption (2,5kW)
- Full TEFLON® coating of the whole assembly
- Injection of melted glue at the upper and the lower points of the application roller where heating elements are built in to maintain optimum working temperature
- Automatic temperature control by electronic thermostat preventing the scorching of glue when the machine is idle. 1,5 kg capacity glue tank
- New glue regulating gate
- **OPTIONAL:** New gluepot quick change system

**NEW gluepot quick  
change system**





OPTIONAL

## DUOMELT® GLUEPOT

- **DUOMELT®** upgrade pack, allowing the use of the unit with different type of adhesives. The optional pack includes a simple and efficient draining system for the residual glue in the glue pot and the necessary software to support this feature
- **OPTIONAL:** New gluepot quick change system



**NEW gluepot quick  
change system**



**OPTIONAL**

## AIRFLOW SYSTEM

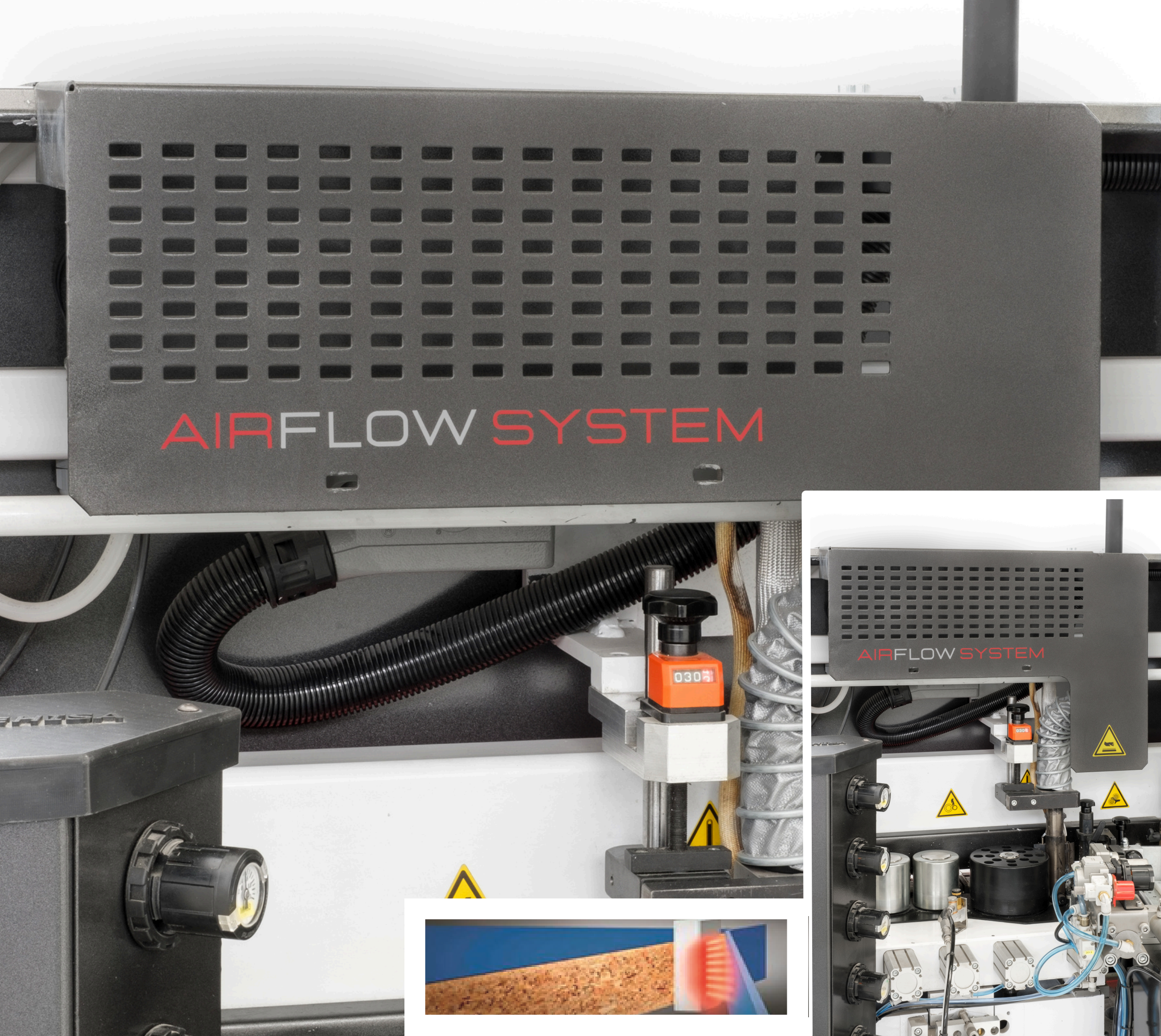
The AirFlow System offers a perfect finish based on the direct fusion of the edge with the panel

In this way, a solid union is achieved with an imperceptible glue line which is incredibly resistant to water, humidity and peeling of the edge

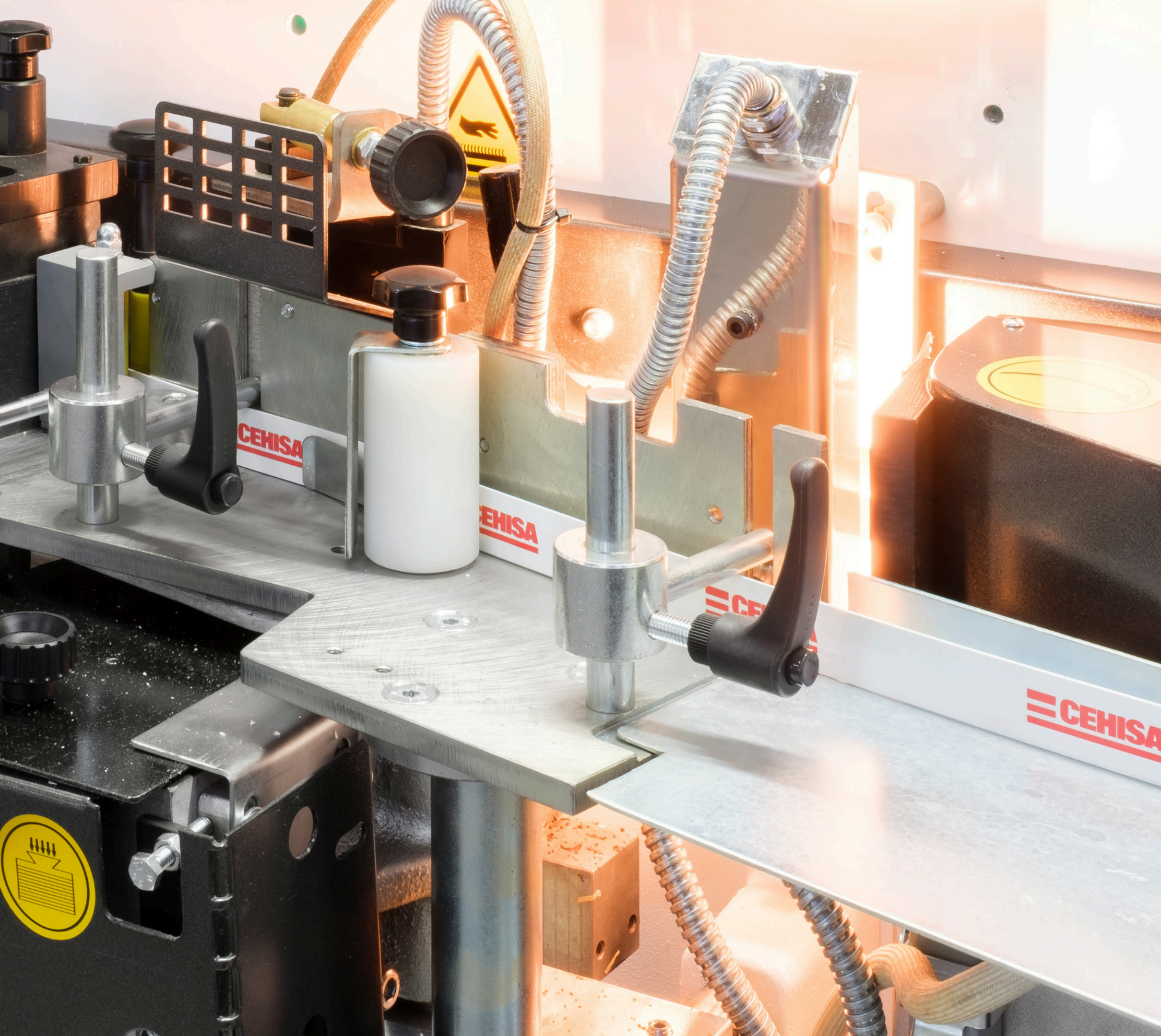
This system requires the use of a special edge band produced through the co-extrusion of different polymers

AirFlow also has the advantage that it can be installed in the entire CEHISA range with an easy change between AirFlow or EVA or PUR glue

- AirFlow System allows a perfect finish using hot air gluing technology
- Compact and efficient solution
- Can be integrated in all our edge banding machines
- High speed response
- Installed electrical Power: 9 kW
- Maintenance-friendly
- Short start-up periods (3 - 5 min)
- Quick change between AirFlow system and glue tank (PUR/EVA)
- Air pressure: 8 BAR
- Dimensions, mm: 400 x 190 x 150
- Weight, kg: 26,5





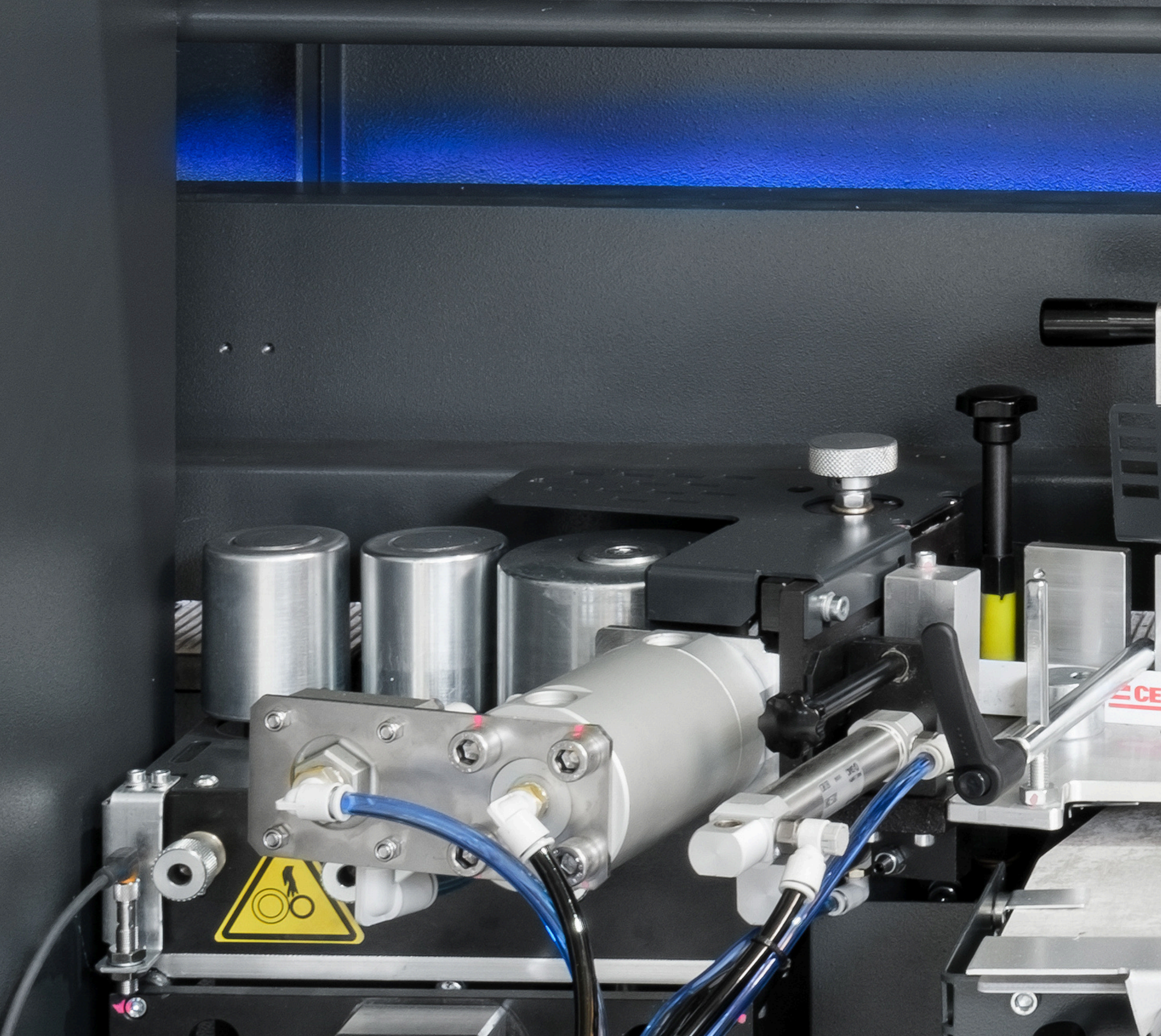


**OPTIONAL**

## **INFRARED LAMP** **AT ENTRANCE**

- Infrared lamp at entrance for panel pre-heating before glue application.
- Improves the adhesion of the edge to the board preventing thermal contrast

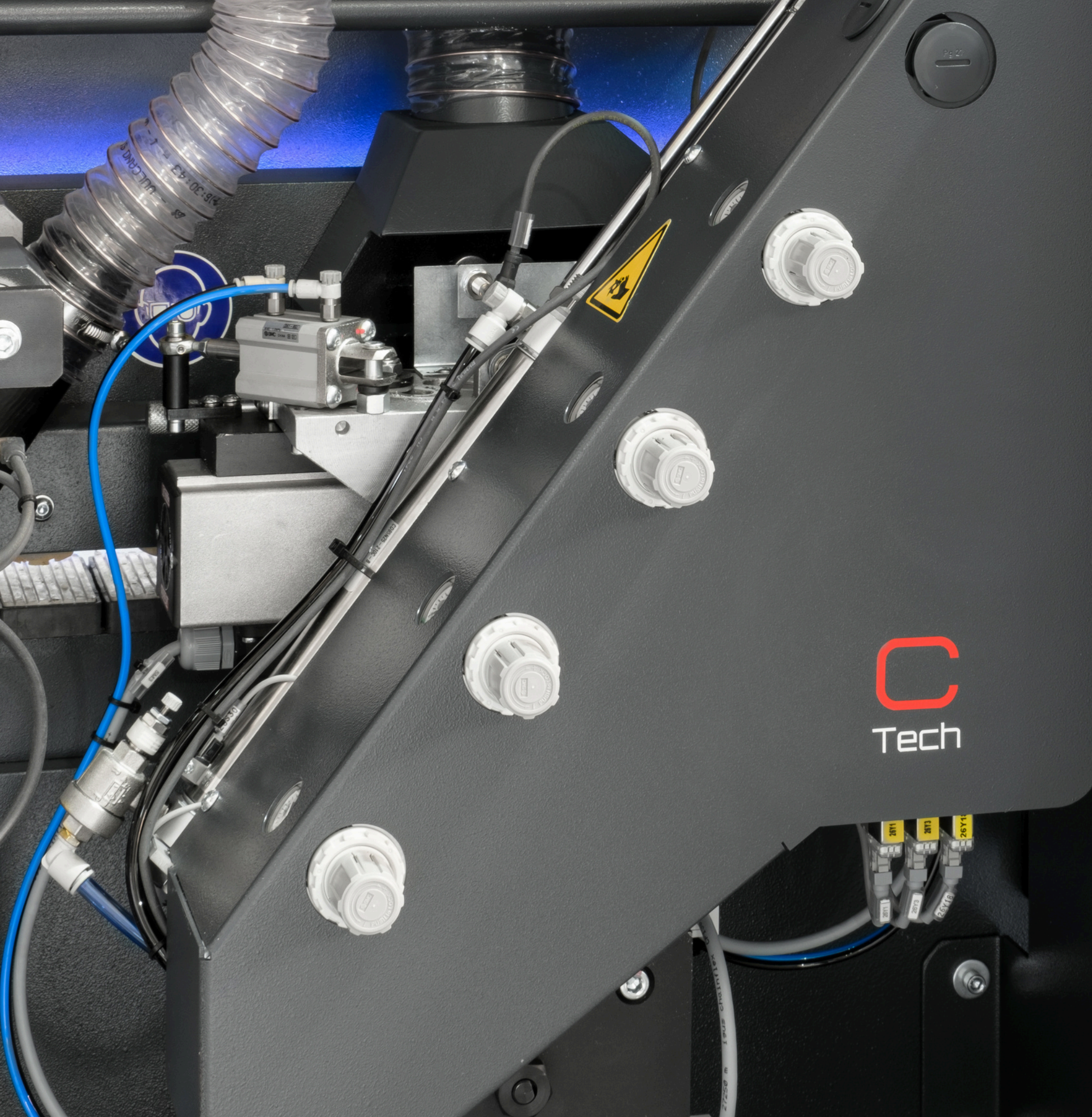




## PRESSURE ROLLERS STATION

- 3 pneumatic pressure rollers exerting pressure on the edge band in order to achieve its adhesion onto the panel edge.
- The first roller is driven and the second and the third ones are of smaller diameter and idle
- **C-Motion 1 motorized** axis in pressure rollers



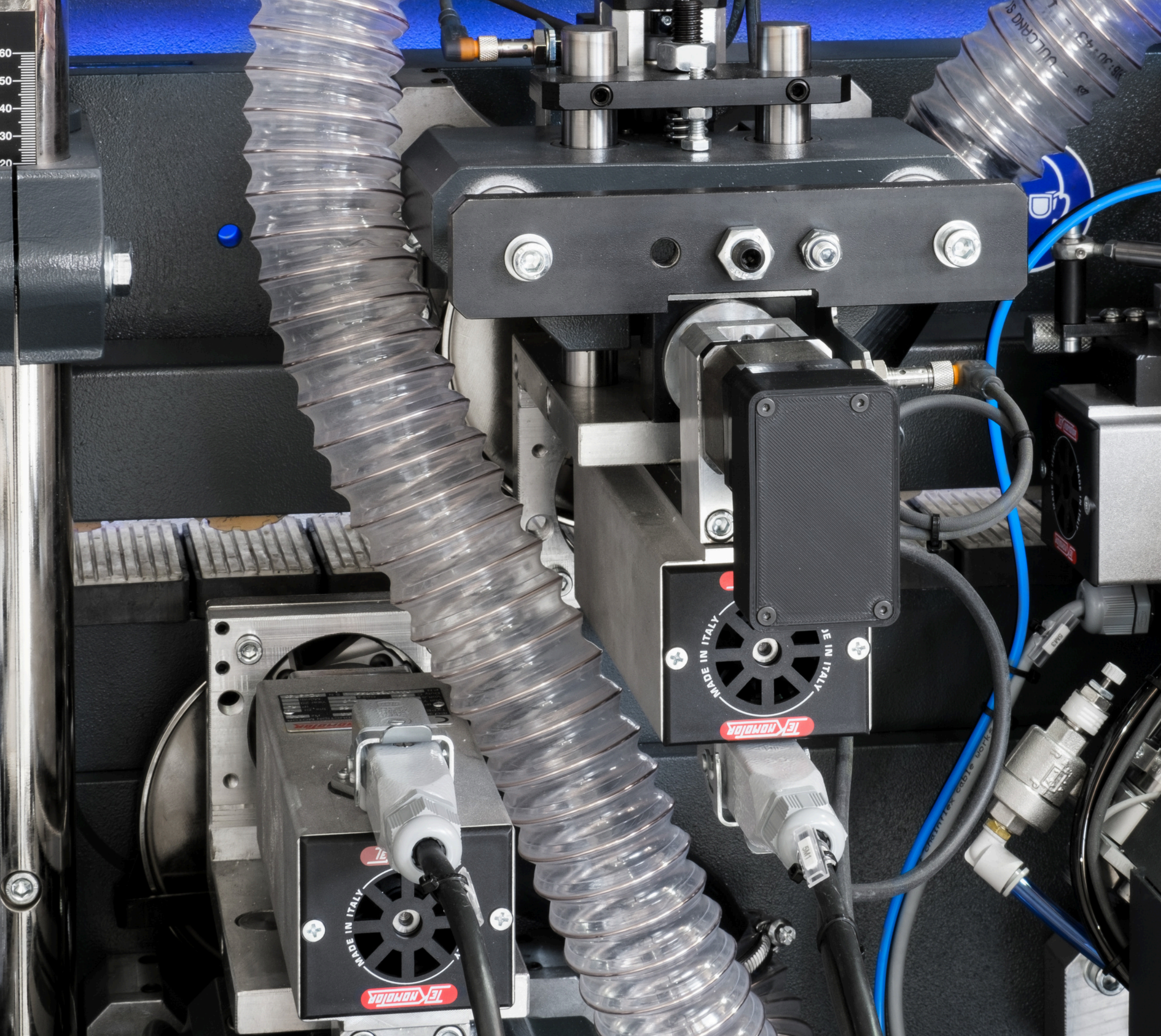


## END TRIMMING

### V-8N

- 2 independent motors HF (0,55 kW / 12000 RPM) one performing the front and the other the rear trim cut
- Smooth and precise movement of the carriage on two linear bearings along hardened and cylindrical base guideways
- The saws can be tilted pneumatically at an angle 0-10° for a better finish of the end trim cuts

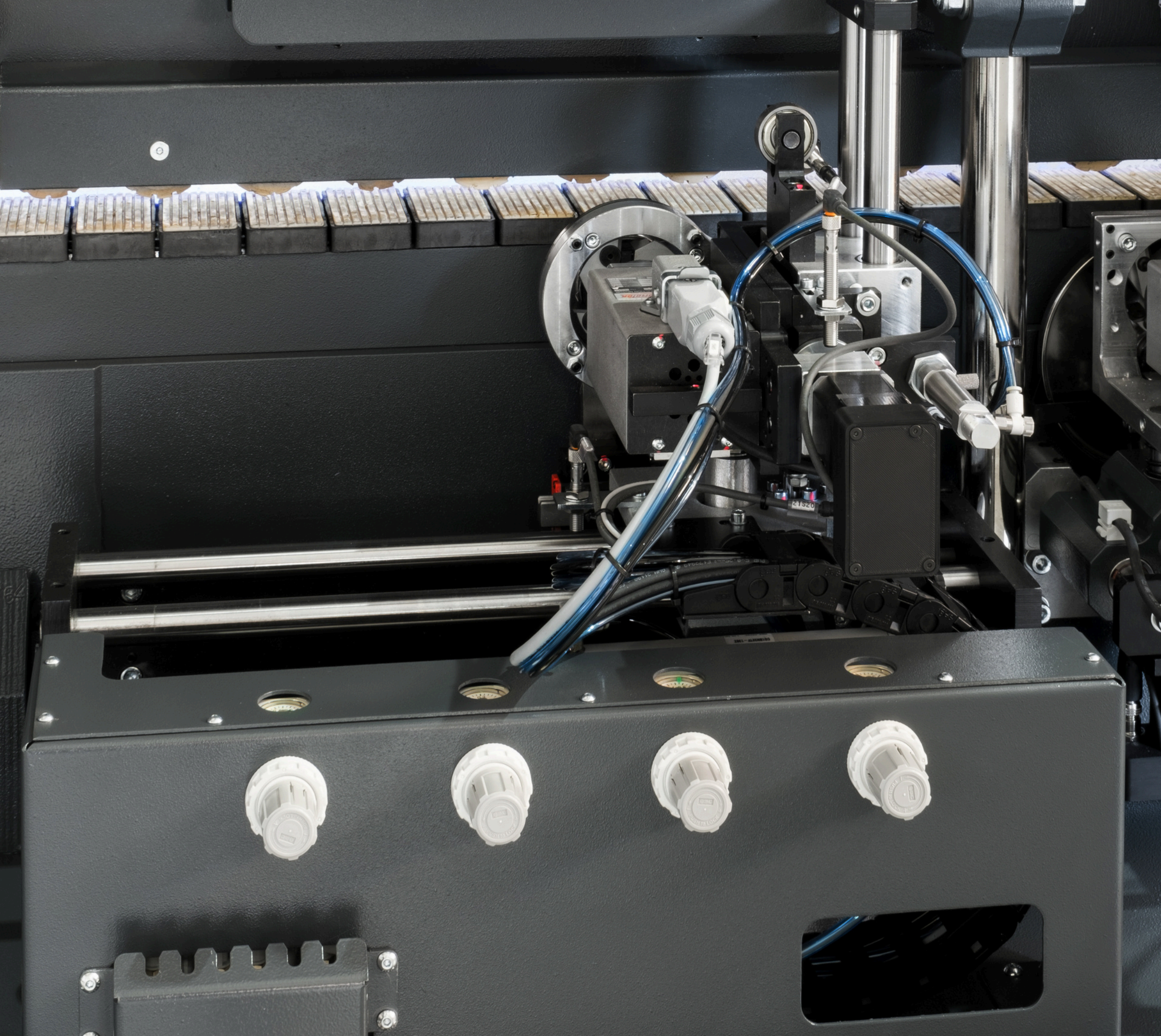




## TOP & BOTTOM TRIM UNIT

- Separate top and bottom units to trim the excess of edging material along the upper and lower edges of the panel. High gloss tracers with SIKO digital readouts for easy and precise adjustment
- 2 independent units, powered by HF motors 0,55 kW / 12000 RPM, equipped with milling cutter heads for trimming solid wood edges up to 5 mm
- Tooling: milling cutters with TC blades  $\varnothing 70$  /  $\varnothing 20 \times H20 Z4$
- **C-Motion** 4 **motorized** axes

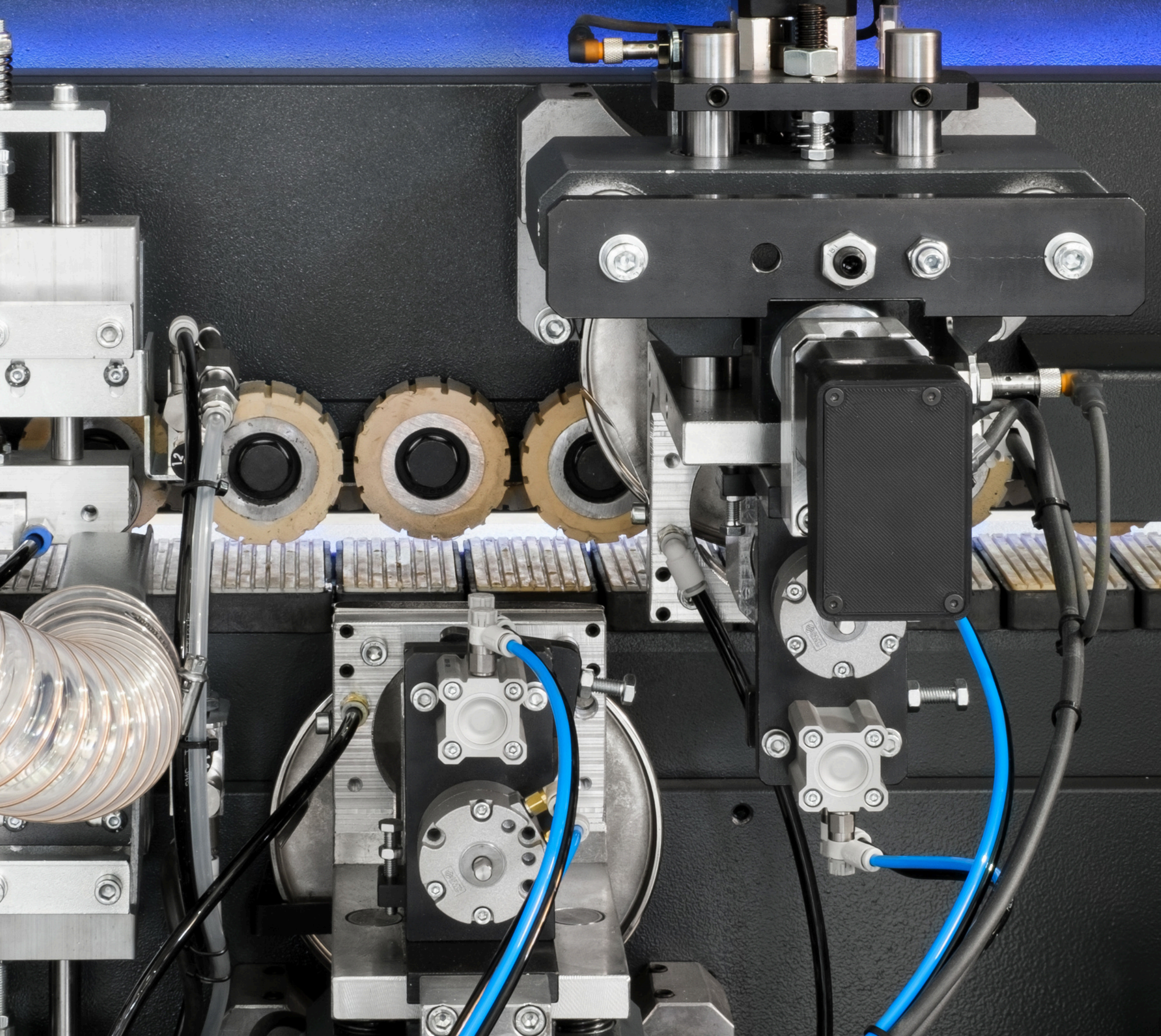




# CORNER ROUNDING CR-2M

- Designed to round the 4 corners of the panel edged with 2 mm PVC/ABS band in order to achieve its complete finishing up to 60 mm.
- Single carriage / single motor 0,27kW / 12000 RPM equipped with a tracer with 3D adjustment, performing the front and the rear panel end tips rounding
- Minimum length of the panel when using the corner rounding: 200 mm
- Tooling: milling cutter with TC changeable blades  $\varnothing 73 \times 20 \times 20$  Z4 R2
- Optimized corner rounding system with new tracer
- **C-motion 1 motorized axis**



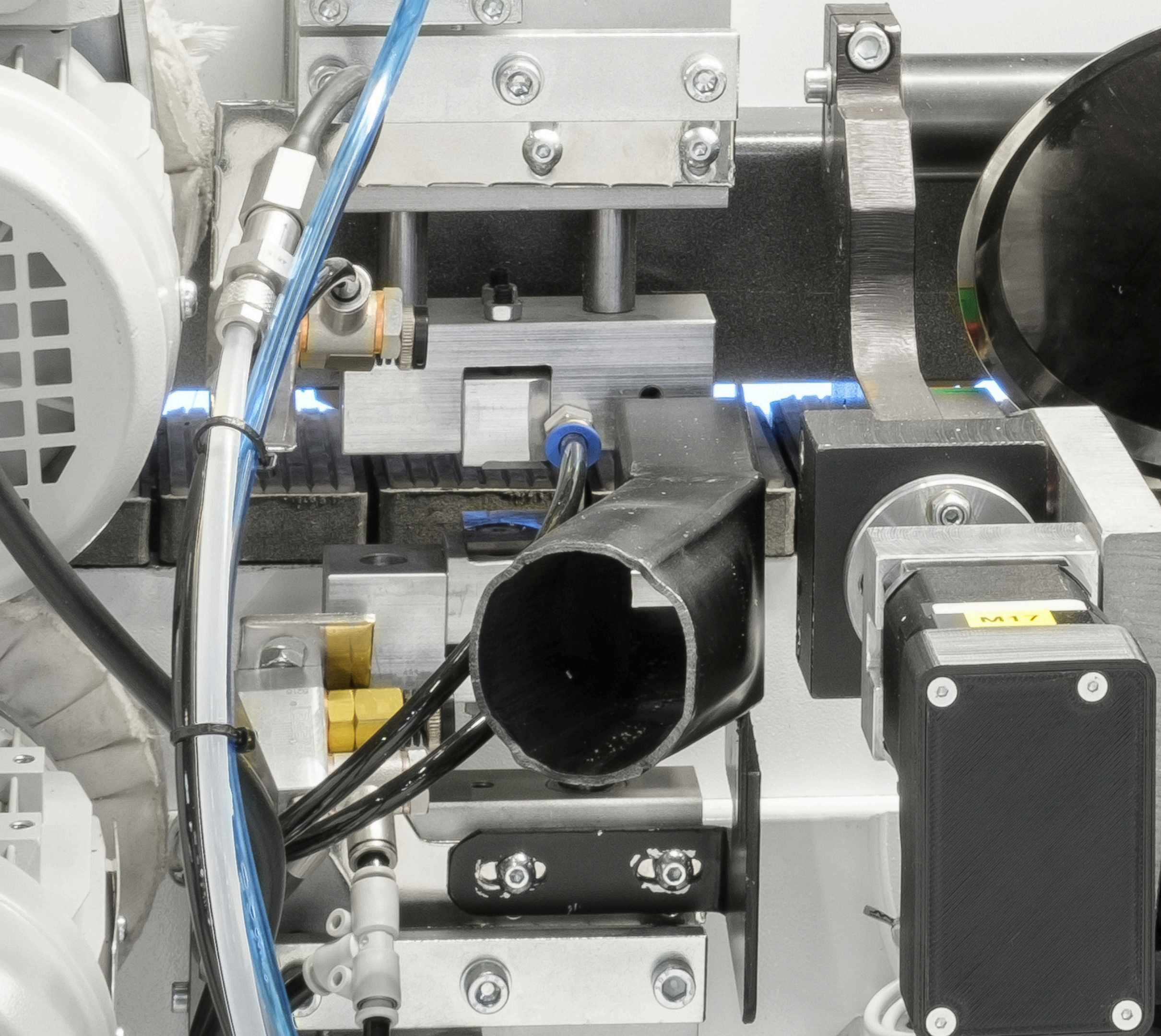


# RADIUS SCRAPER

## RB-10

- Designed to give the perfect finishing touch of the radius of the PVC/BC edging after T&B trimming
- Roller type horizontal and vertical tracers with SIKO digital counters for precise easy adjustment and cleaning by air blow nozzles. Extraction system with PVC/ABS waste collector
- Blade holders for fast and easy change
- Manual Positioning of the station in ON/OFF position
- Double blade system.
- **C-motion 4 motorized axes**





**OPTIONAL**

## GLUE SCRAPER

**RR-8N**

- Designed to remove glue residues along the glue line on the top and bottom faces of the panel
- **Two floating blade holders with independently adjustable vertical copying devices. Blow nozzles for tracer cleaning**
- **Automatic positioning (ON/OFF)**



OPTIONAL

## BUFFING UNIT

PC-S

- Designed to remove possible glue residues , restore PVC/ABS edge colour and polish it after trimming and scraping operations
- **Two independent units with tilting motors (2 x 0,1 kW / 1500 RPM) and hard cotton discs (ø120 mm)**





# CONTROL PANEL

## 10"

- Pivoting 10 " TFT color touch screen
- Intuitive modern interface
- User friendly control with direct connection to the PLC, providing quick access and monitoring of all machine functions in real time (start/stop, program editing, parameters check & editing, alarms visualization, PLC I/O diagnostics)
- Multi-language support and 128 Mb memory to store screen data and work programs
- **OPTIONAL: C-Motion software - Connectivity Kit included**
- **OPTIONAL: Barcode reader**



The optional **Barcode Reader** offers a quick setting of the edgebander.





# XPERT

C-Motion Tech. equipped

Remote Connection 

OPTIONAL

## CONNECTIVITY KIT

Remote Connection 

- SAT access to perform software updates
- SAT access for remote technical assistance
- SAT access to carry out training or remote advice
- Access to machine status in real time
- Access to user software for remote machine management
- Remote program configuration
- Viewing metric counters remotely
- Send messages to notify alarms or reminders

Remote Connection 



ADVANCED  
REMOTE  
DIAGNOSTICS 

Connectivity Kit   
Remote Connection

DYNAMI C-motion





**OPTIONAL**

## AUTOMATIC RETURN

- The CEHISA Automatic Panel Return is a good solution to increase productivity by making the panel elaboration process more efficient. This system is adaptable to the entire CEHISA range and can be amortized in a short time



## CEHISA EDGE LINE C-motion powered

- Dynamic Series can be combined with the Cehisa Edge Line Smart Solutions Automated Cells.

- More info here:



**CEHISA**  
CEHISA EDGE LINE edge banding cell offers a 100% automated edging process.  
Composed of independent and customizable systems according to the needs of customer's production process.

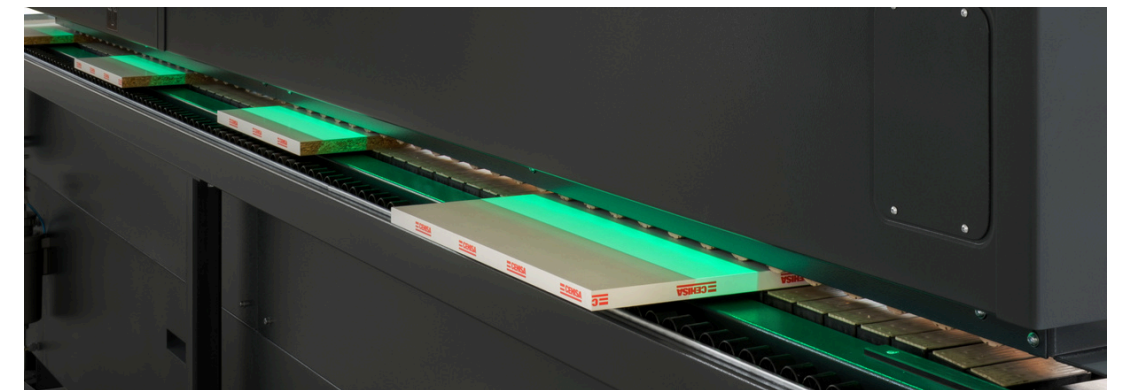
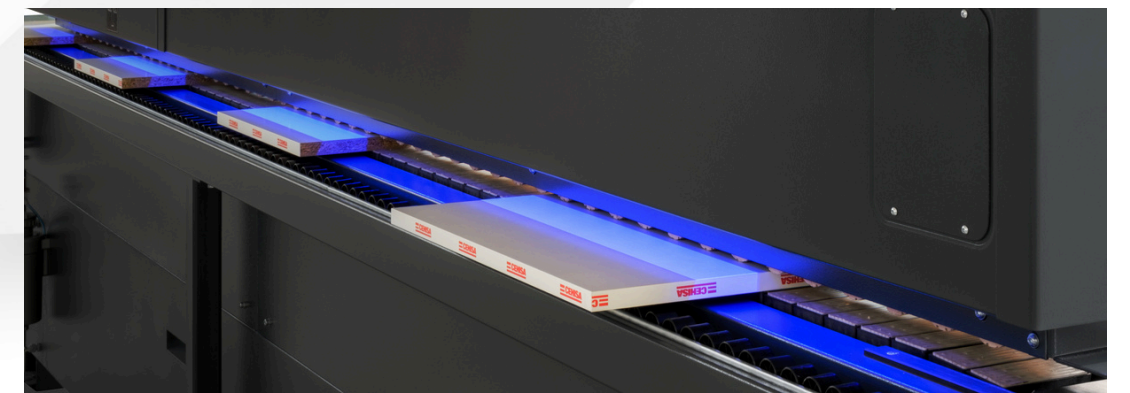
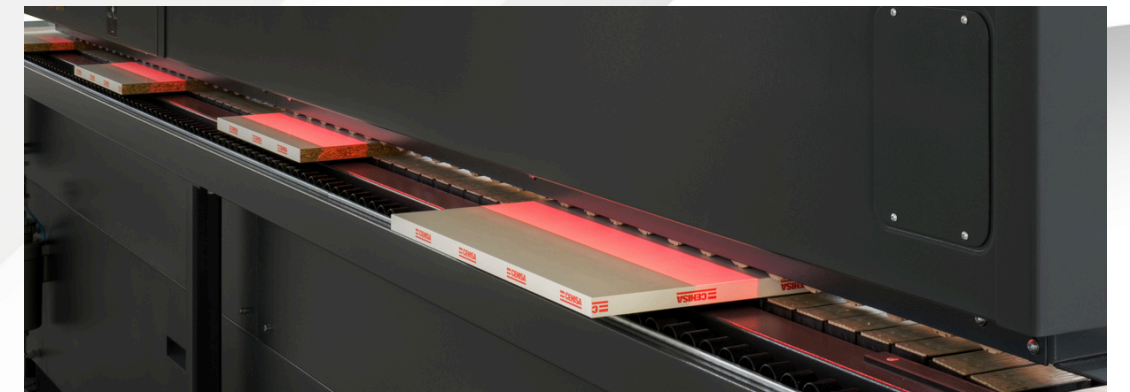




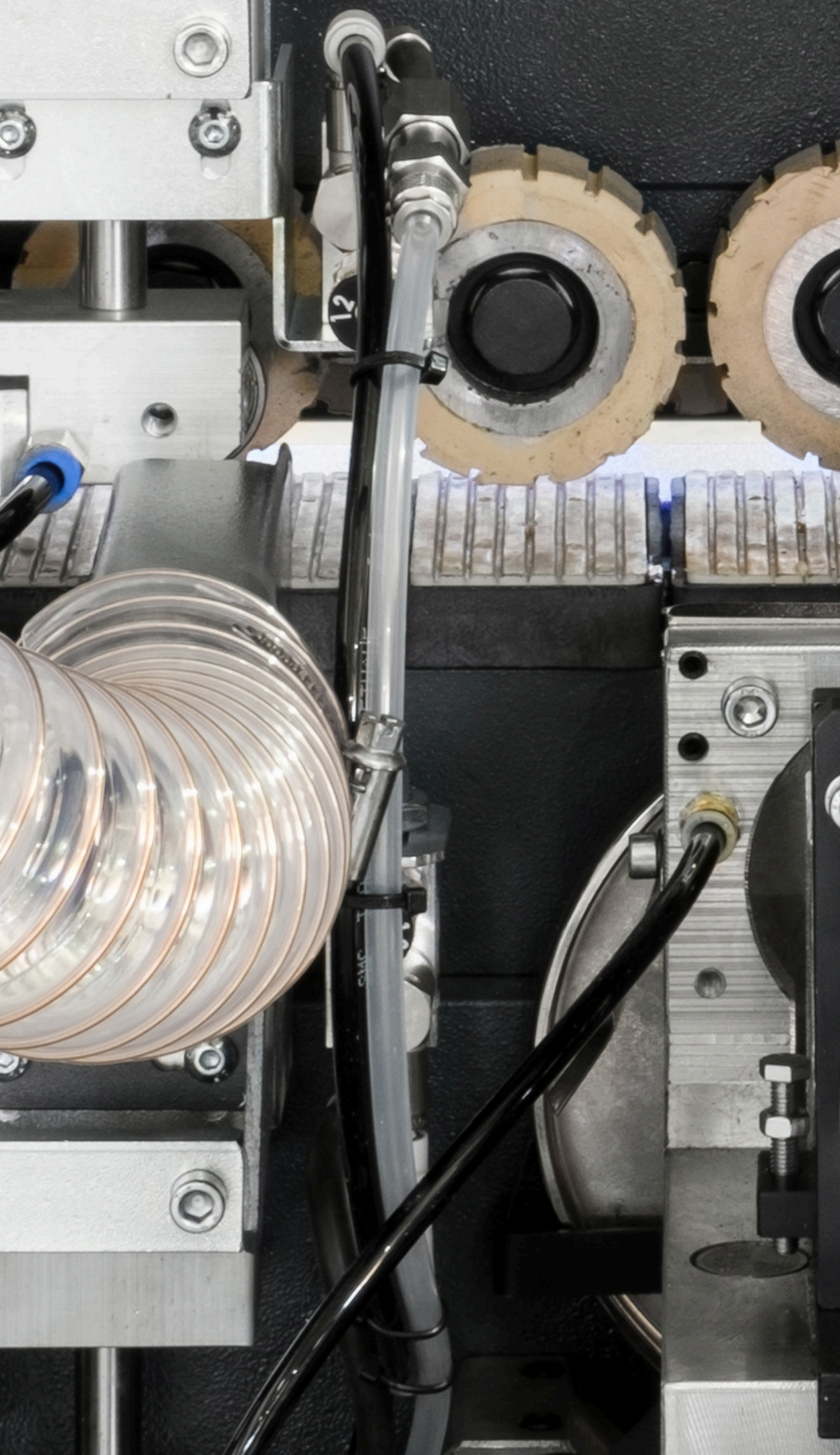
OPTIONAL

## LED Motion System

- For a safer, more intuitive and optimized panel interval.
- Alarm visual indicator







**OPTIONAL**

## AGENT **SPRAY** STATIONS

- Non-stick agent spray station at entrance
- Antistatic and coolant or N-FLY agent spray station
- Cleaning agent spray station at exit





OPTIONAL

## MANUAL SQUARING DEVICE

- Manual squaring device for narrow workpieces, eases the feeding and ensures that the piece gets fed perfectly squared



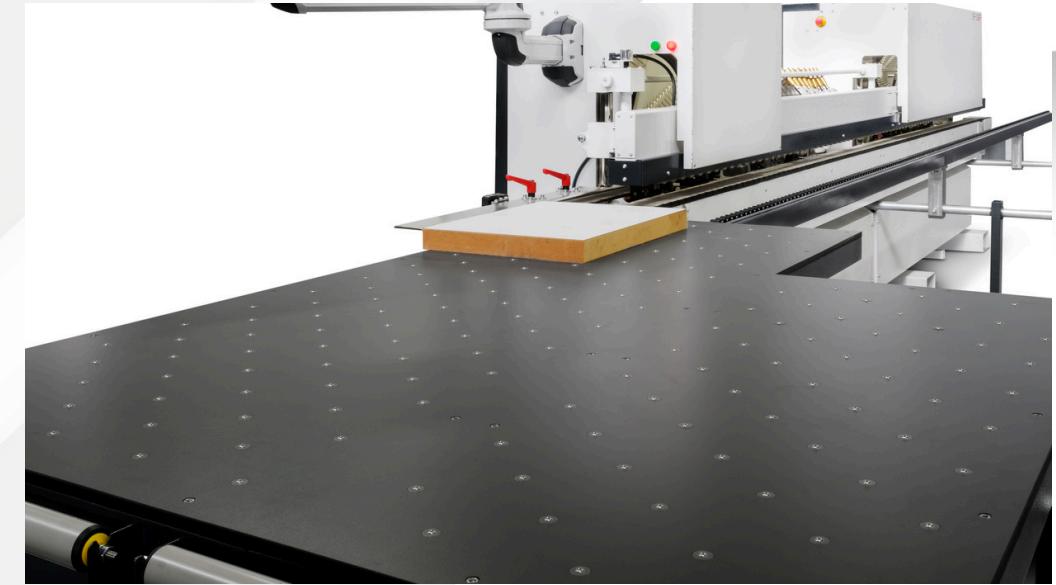




**OPTIONAL**

## AIR CUSHION SURFACE

- Eases the feeding and extraction of heavy and/or large workpieces





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### OPTIONS

RR-8N Glue scraper with pneumatic positioning (On/Off)

PC-5 Buffing unit

DUOMELT® pack dual use EVA/PUR

Pneumatic cylinder for panel interval

Cutters DIA H65 instead of H30 for pre milling cut

Pre-heating at entrance (infrared lamp)

Non-stick spray agent station at entrance

Antistatic spray agent station

Cleaning spray agent station at exit

Cabin light (LED TYPE)

LED motion System

Barcode reader

New glue tank quick change

Spare DUOMELT® glue tank unit

Spare M2-NS glue tank unit

Connectivity kit (remote connection)

Nesting vertical tracers

Double edge feeding

Motorized edge magazine (6 rolls capacity)

Extra-large infeed fence

Nozzle glue applicator (PUR)

Motorized control of infeed fence



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