



— ProCompositeTech —



Alu Doubler F Alu Doubler P

Automatic double milling and double bending machines

Industry exclusive automatic **Milling and Bending** system to ensure accuracy with a double fold on the edges of aluminum honeycomb/corrugated panels for architectural facades.



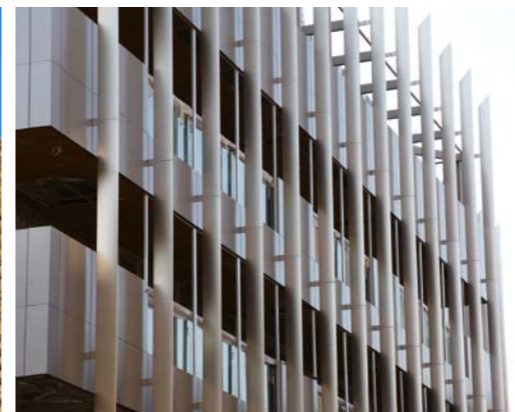
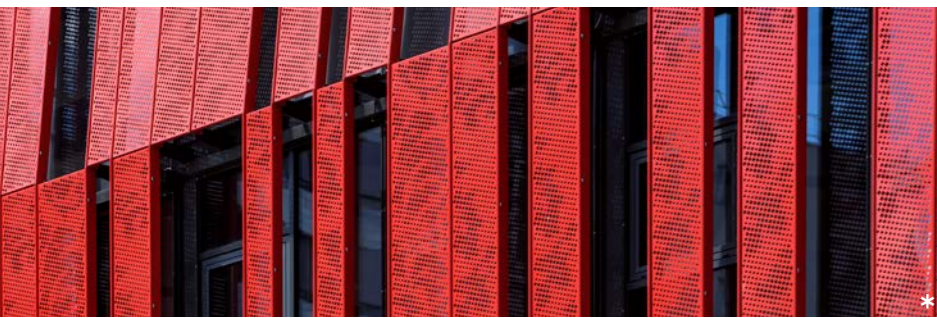
TYPES OF PANELS

ALU HONEYCOMB

- ALUCORE®
- LARCORE®
- PLASCORE®
- STARCELL®
- CELCOMPONENTS®
- HONYLITE®
-

ALUMINIUM CORRUGATED CORE

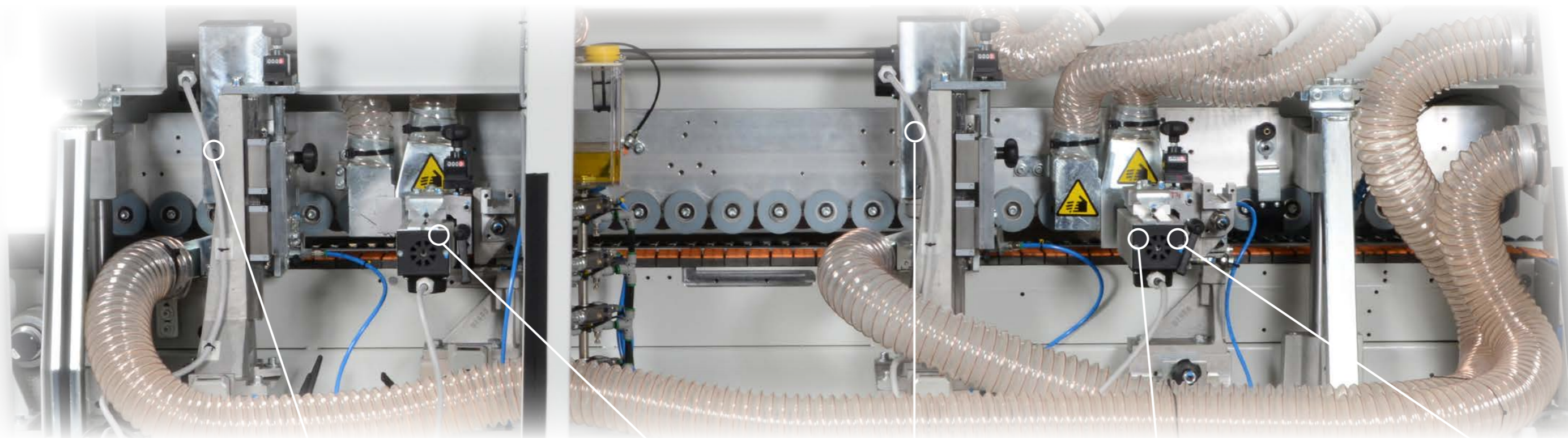
- METAWELL®
- DOLUFLEX®
-



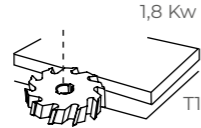
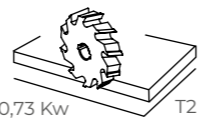
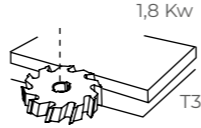
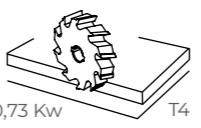
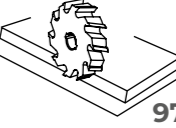
* Ph. Fatih Kucukcolak

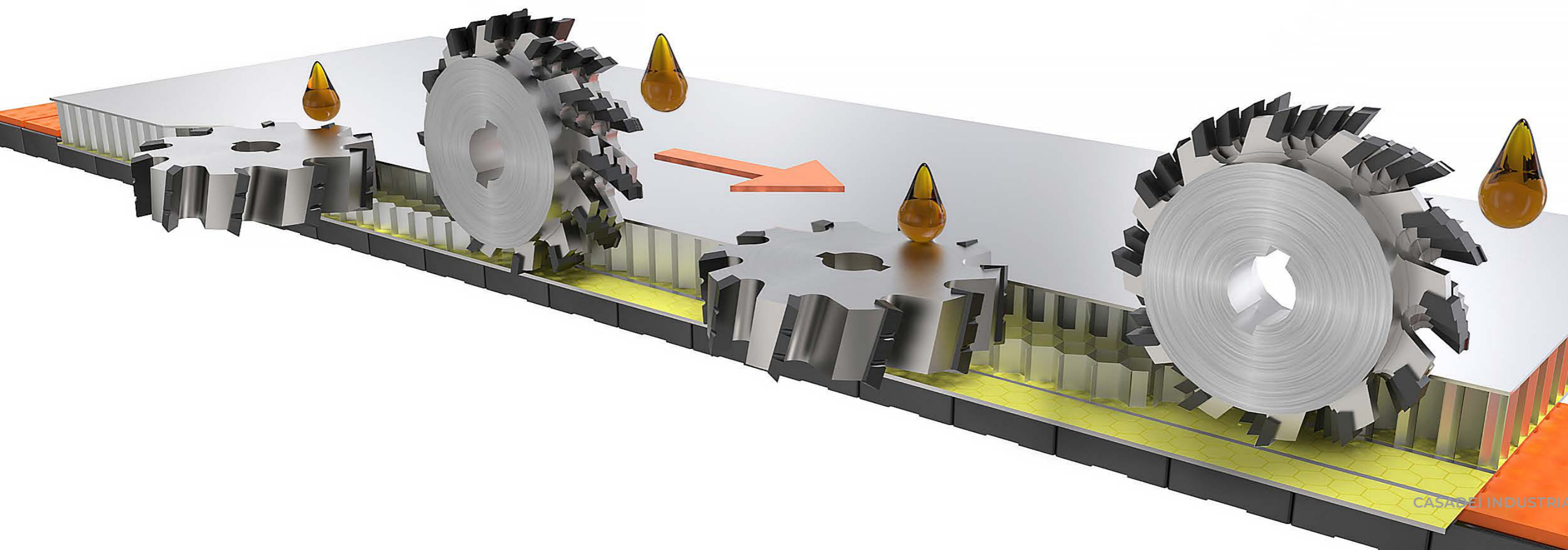
I AM "THE" ALU DOUBLER

- **ALU Doubler F** performs the double milling to remove the unfinished layer and the honeycomb core to the back of the finished layer, while simultaneously performing a double score to ensure clean lines and consistency when performing the double fold on the **ALU Doubler P**

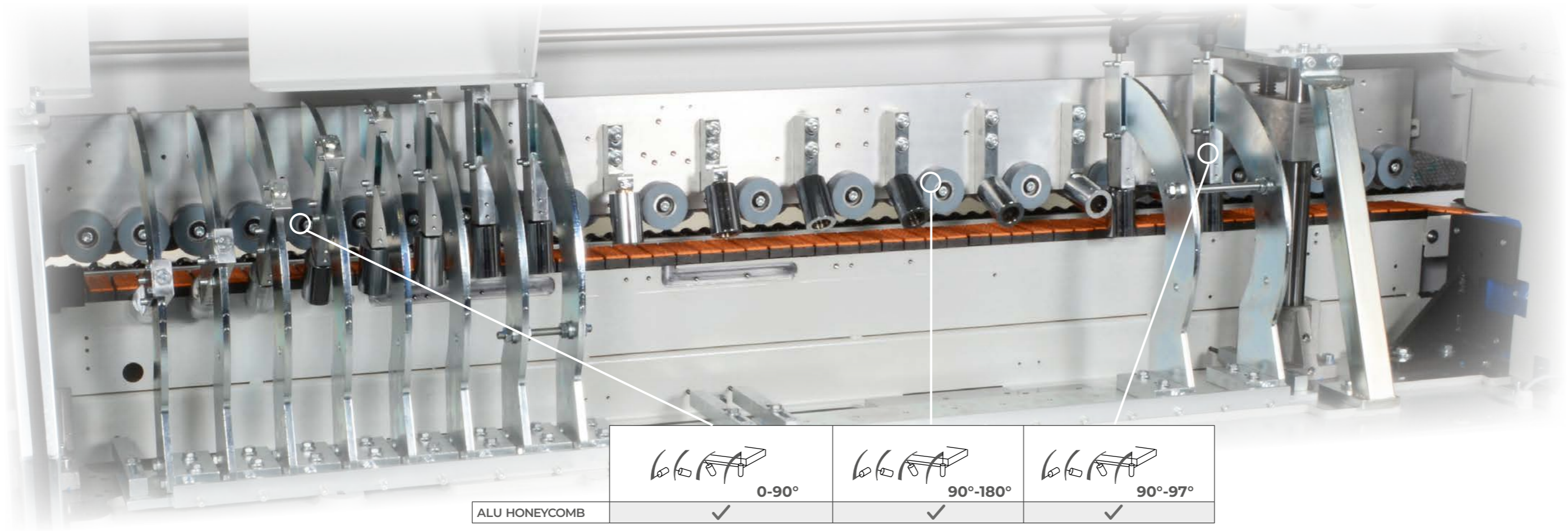


ALU DOUBLER F

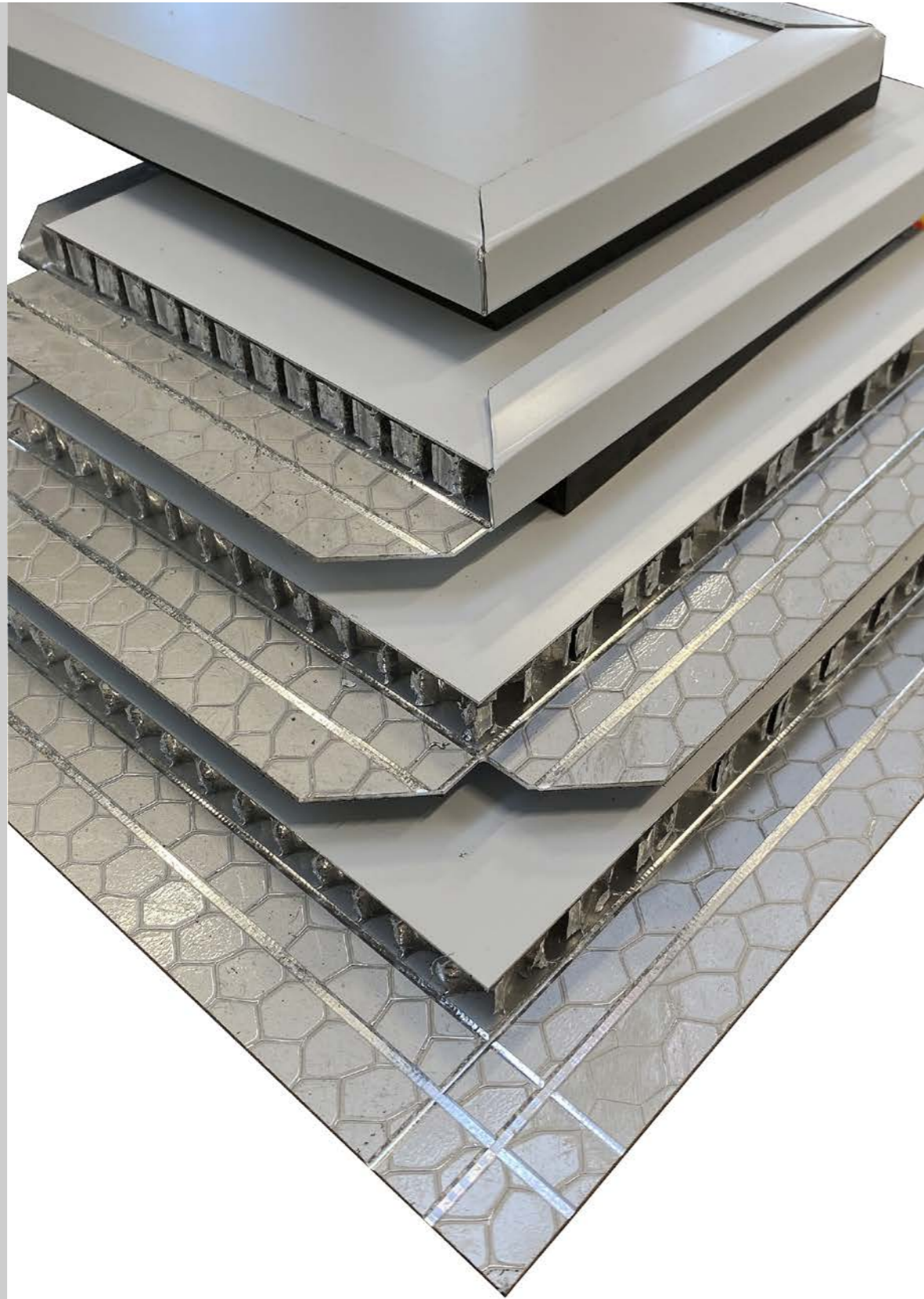
						
ALU HONEYCOMB	✓	✓	✓	✓	✓	OPT. LOAB37



- **ALU Doubler P** performs the double bending of the finished layer, creating a clean finished edge and also protecting the aluminum core from potential corrosion and atmospheric agents



- The full process made by Alu Doubler F and Alu Doubler P with the manual punch press allows to obtain alu honeycomb panels with protected edges and corners



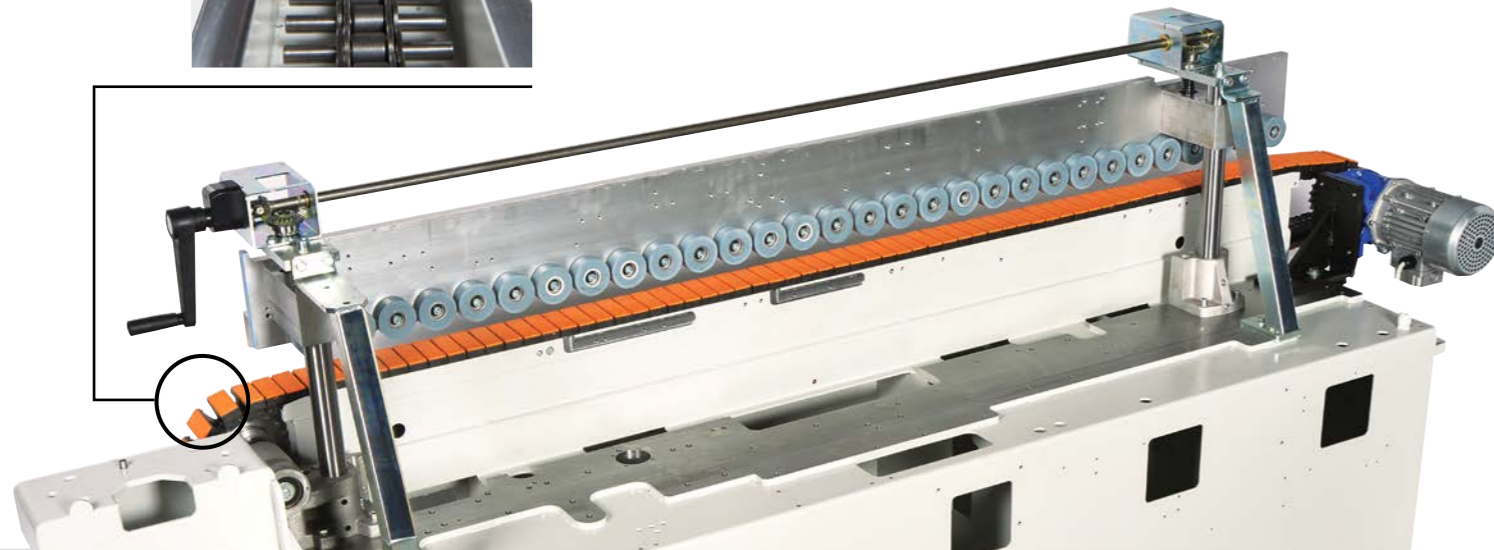
- Once the panels have been processed by the **ALU Doubler F**, the panel will require additional processing to ensure the edges are properly closed by the **ALU Doubler P** afterwards. This is accomplished by an optional hand held pneumatic punch. (This can also be achieved on the ALU Ranger CNC)



- Centralized hood suction system in a unique tube (Opt. LOAB31) allows to eliminate the wood chips through the suction system

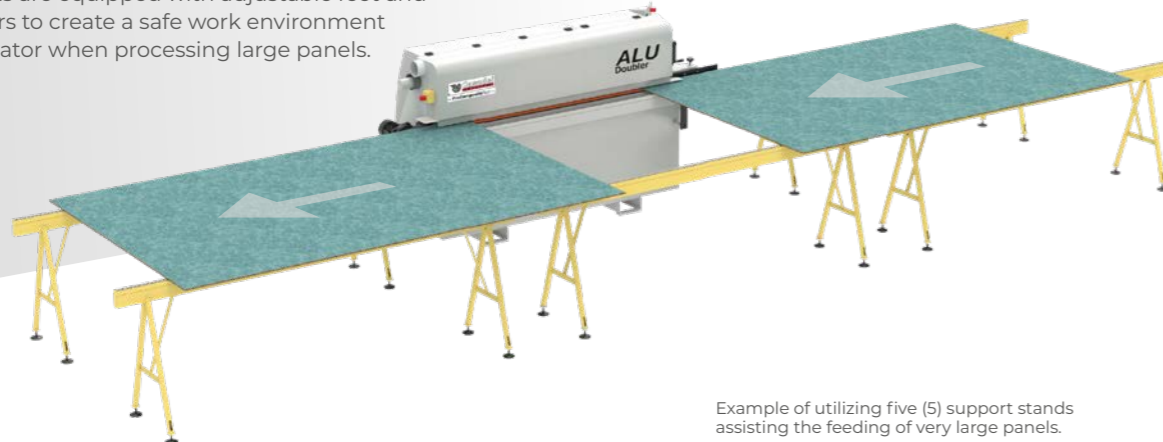
INDUSTRIAL PANEL FEEDING

- Non-slip pad guarantees a firm grip of the panel. Double row of rubber rollers are assembled on a very sturdy beam to manually adjust the pressure placed on the panel.
- High quality, powerful gearbox for an adjustable continuous feed.
- The linearity of the panel feeding is guaranteed by the sliding track which has been manufactured with high precision.
- Long term reliability and accurate precision due to the monobloc frame that is processed singulary on the machining centre.



Option for large panels

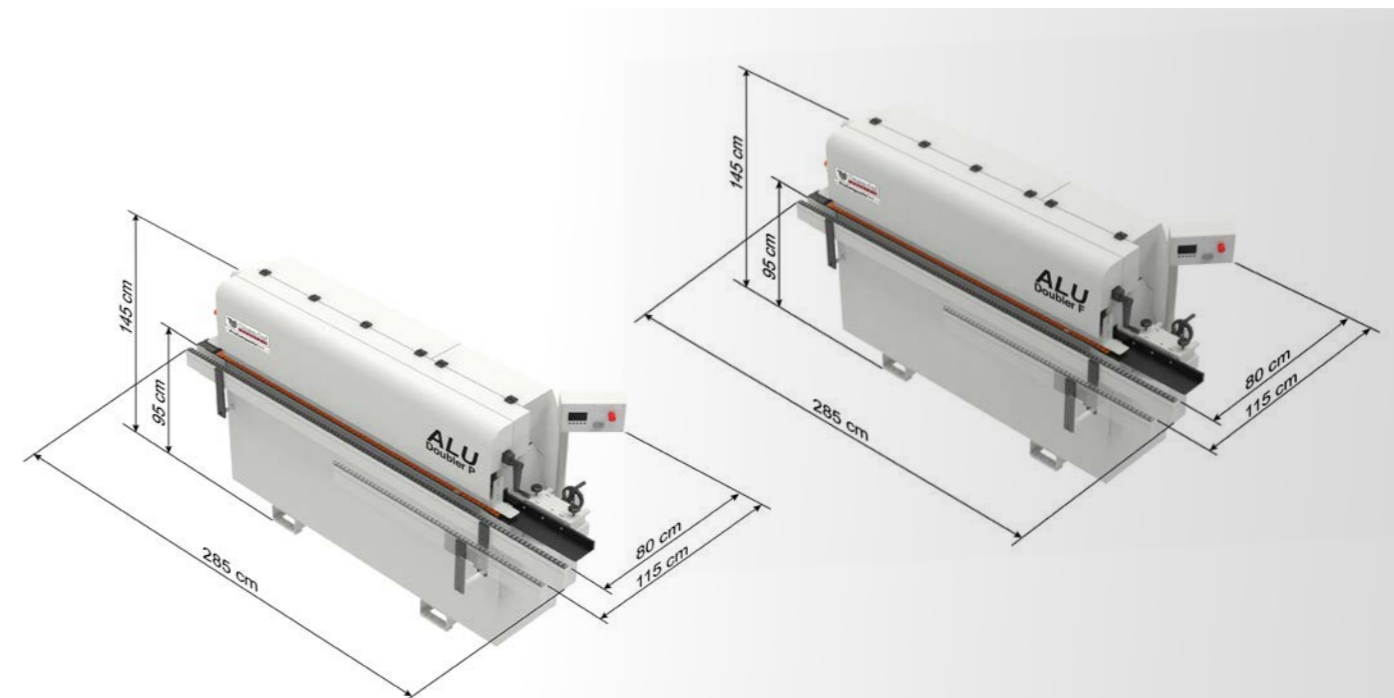
- To guarantee accuracy when processing larger panels, it will be necessary to employ additional supports when feeding the panels into the Alu Bender.
- The supports are equipped with adjustable feet and sliding rollers to create a safe work environment for the operator when processing large panels.



Example of utilizing five (5) support stands assisting the feeding of very large panels.

Panel thickness min-max AHP (alu honeycomb) double milling	min 10 mm - max 15 mm (0,39) (0,59)
Panel thickness AHP (alu honeycomb) single milling	min 10 mm - max 25 mm (0,39) (0,98")
Skin thicknes AHP (alu honeycomb) mills and bends	min 0,75 mm - max 1 mm (0,03) (0,039)
Panel thickness AHP (honeycomb) crushing	min 6 mm - max 60 mm (15/64) (2,36")
Min Width	110 mm (4" 21/64)
Min Length	120 mm (4" 23/32)
Panel Feeding Speed	adjustable on PLC from 2 to 6 mt/1' (from 7' to 20' for min)
Chain feeding motor	0,73 Kw
Milling motor T1	1,8 Kw - 200 Hz. - 12000 RPM
Milling motor T2	0,73 Kw - 200 Hz. - 12000 RPM
Milling motor T3	1,8 Kw - 200 Hz. - 12000 RPM
Milling motor T4	0,73 Kw - 200 Hz. - 12000 RPM

We reserve the right to make modifications. The illustrated machines may show some units which are not included in the standard version. For photographic reasons some units are without protections. The use of the machine must be made with all protections installed.





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