ENGLISH VERSION

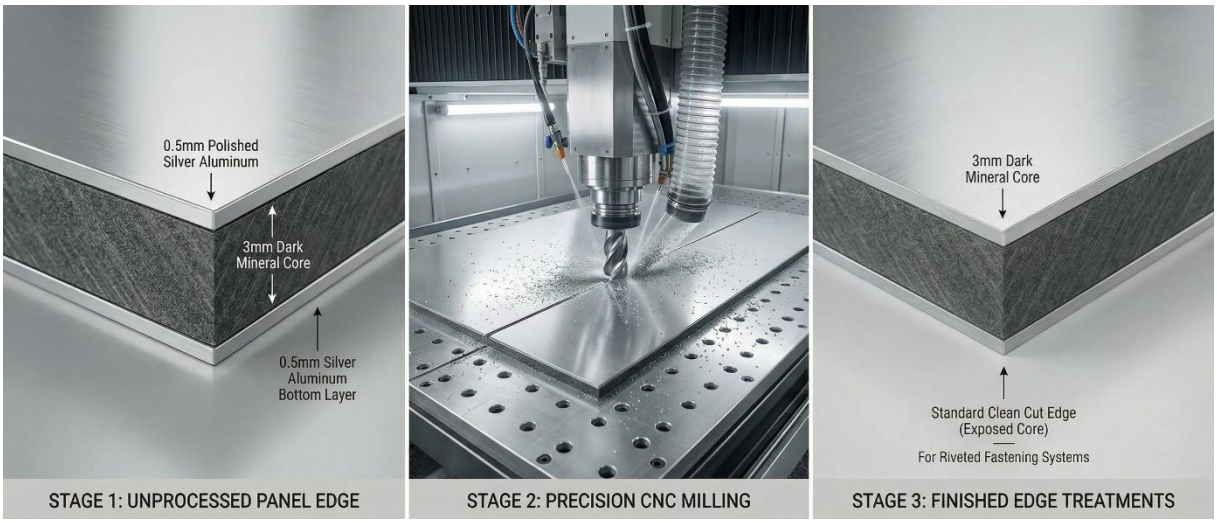
EXPERT INTRODUCTION: Passion for Precision in Every Detail

In the ventilated facade industry, architecture admits no compromises. My goal at **Elewacje Budowlane** is to provide contractors and architects with fabrication that eliminates on-site risks. I believe that the heart of a modern facade lies in workshop accuracy. That is why I invested in advanced CNC machinery and technologies like **bending** and **perforation** to unlock the full potential of composite panels, HPL, and fiber cement. This guide is our declaration of quality.

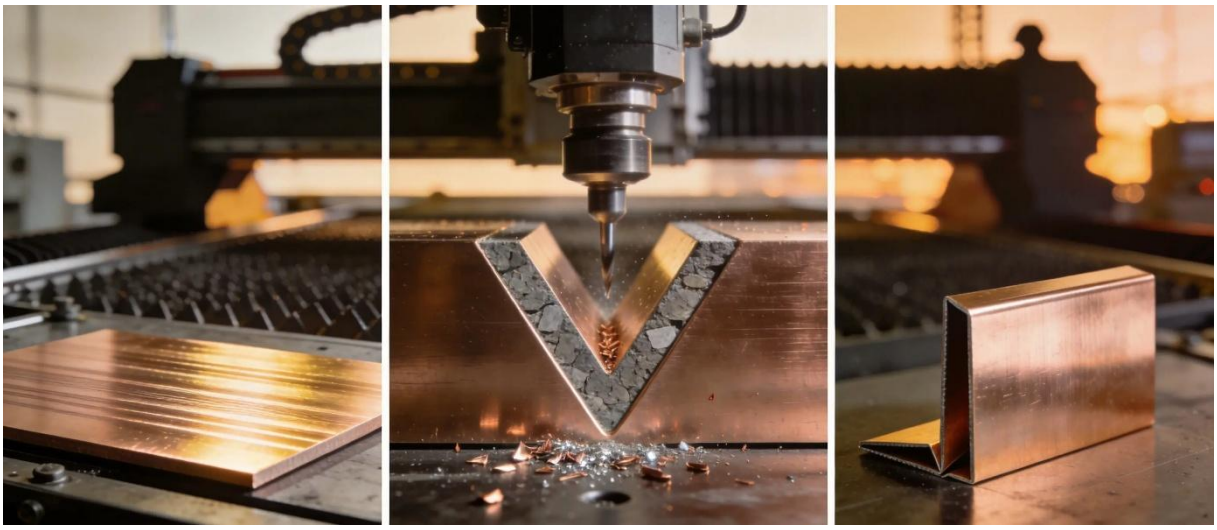
TECHNOLOGICAL PROCESS

1.**Digital Design & Optimization (Nesting)** – Production based on CAD/CAM integration, ensuring maximum material yield through nesting and 100% repeatability of **.dwg/.dxf** files.

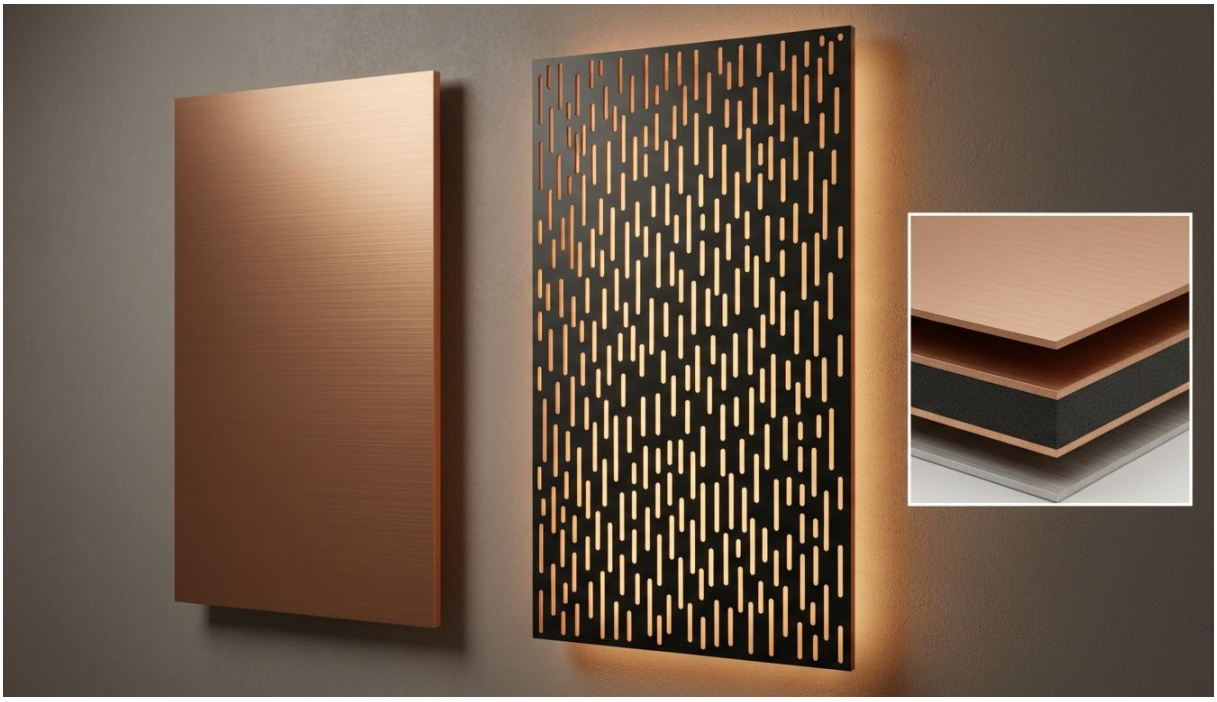
2.Precision Cutting & Formatting – Processing of ACM, HPL, and fiber cement with a tolerance of **0.1 mm**. Diamond-tipped tools ensure burr-free edges for immediate installation.



3.Architectural Perforation – Open area ratios from **10% to 40%**, typically on **4 mm** panels. Finishes like **Mirror Silver, Copper, and Black** provide light effects and ventilation.

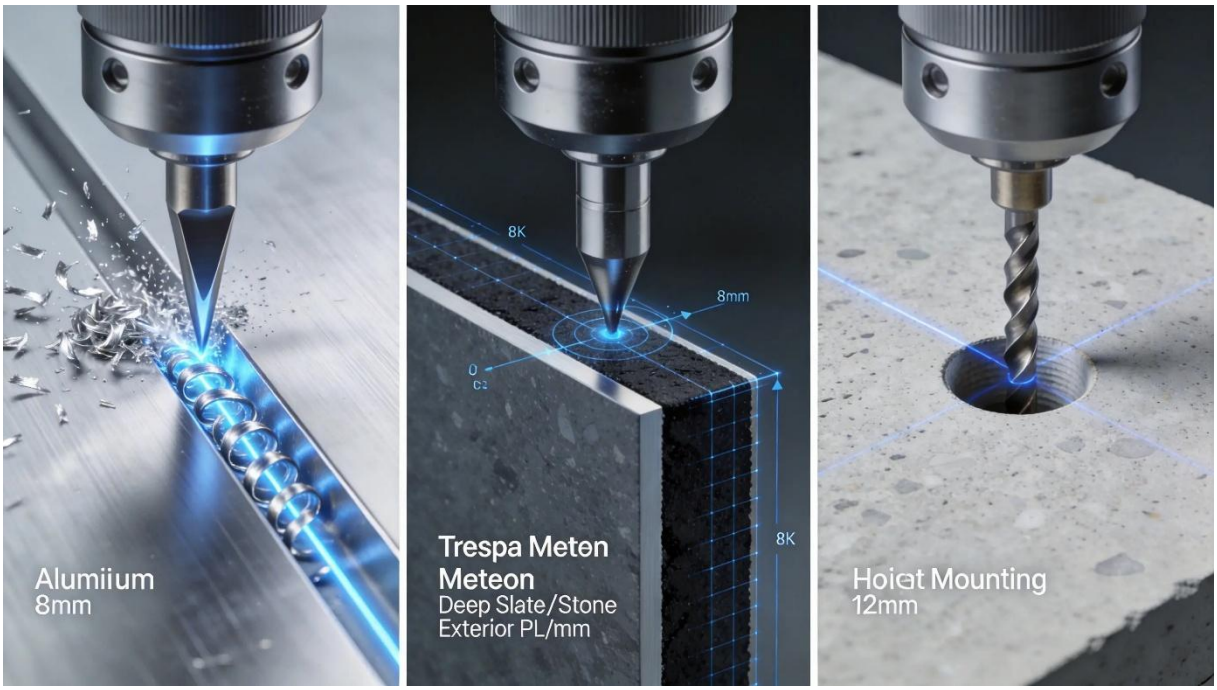


4.Bending: Systematic Edge Folding – Forming edges to hide the internal core. Provides seamless color transitions, protects against weathering, and allows for rigid side-fix mounting.



5.Cassette Assembly & 3D Forms – Fabrication for vertical **Y-systems** and horizontal **S/Z-systems**. All elements, including **3D volumes**, include thermal expansion compensation.

6.CNC Spindle Routing: HPL & Fiber Cement – Professional machining of hard laminates. Smooth edges without micro-cracks and precise drilling for system rivets.



CUSTOMER QUESTIONNAIRE

- What board type and color is required (e.g., Mirror, Patinated Copper)?
- What is the thickness (std. 4 mm) and fire rating (PE, FR, A2)?
- What is the scope: cutting only, V-grooving, perforation (%?), or edge bending?
- Which mounting system is used: Vertical Y, Horizontal S/Z, or flat rivet mounting?

  Do you have production-ready files in **.dwg** or **.dxf** format?

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