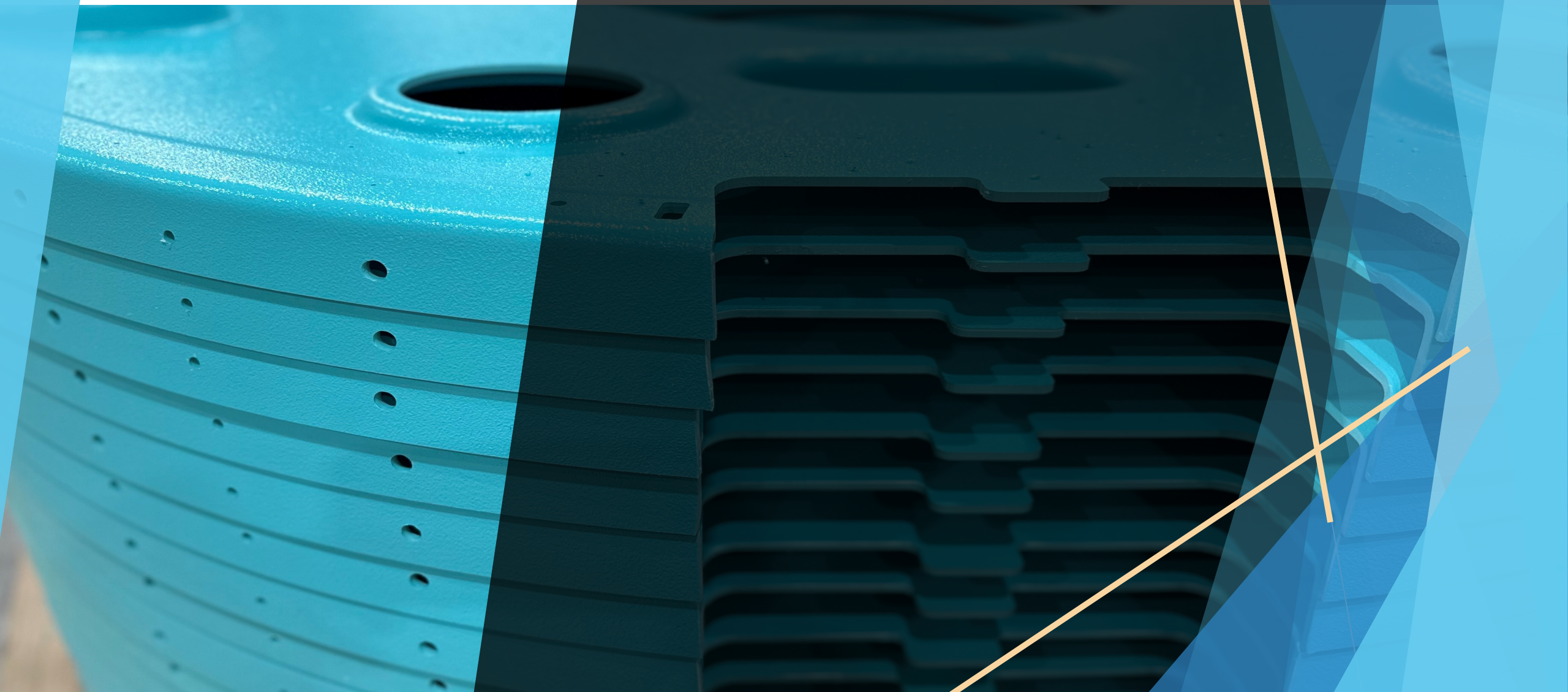


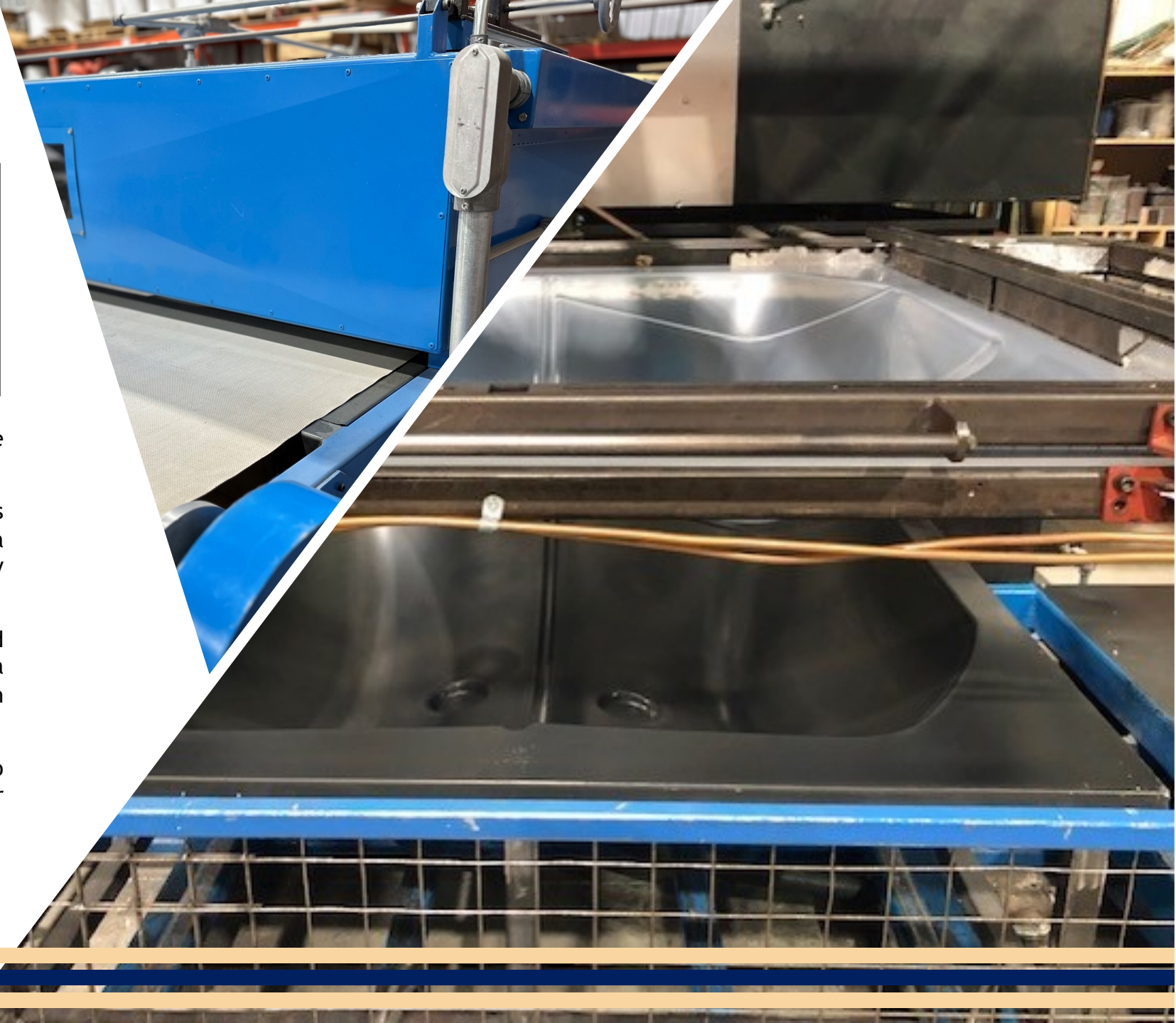


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Vacuum forming, bending and compression molding

- ▶ These three processes enable us to produce various parts with minimal tooling costs.
- ▶ Vacuum forming is a cost-efficient process whereby a preheated plastic sheet is placed on a mold. The plastic is then pressure molded by vacuum to create the desired shapes.
- ▶ Compression molding is ideal for transparent and esthetic quality parts. By using both a male and a female mold we can achieve to mold parts with little or no visual distortion.
- ▶ We have five molding stations to mold parts up to 9 feet by 12 feet with deep draw capabilities for larger parts.



► With nine CNC's including two 5 axis machines and seven 3 axis machines, we can cut and shape your most complex parts with precision tools according to your requirements while respecting your most stringent tolerances.

► We machine various plastics of course, but we also work with wood, MDF, melamine, insulation boards, composite boards, composite panels, high pressure laminate boards and even panels made with composite or wood cores with an aluminum or stainless-steel skin on each side.



CNC machining and cutting

The background of the slide is a photograph of an industrial setting, likely a manufacturing plant. It shows various metal components, including what appears to be a large, dark, ribbed metal structure in the foreground and a vertical metal beam on the right. The lighting is bright, creating some reflections on the metal surfaces. A dark, semi-transparent rectangular overlay is positioned on the left side of the image, containing the title and list of services. The overall color palette is industrial, with greys, blacks, and some metallic highlights.

Laminating and glueing

- ▶ We have developed various recipes and processes to laminate and glue composite panels and parts which enables us to provide a solution to make your most complex parts possible.
- ▶ We work with various composite and structural products as well as innovative products from leading manufacturers.
- ▶ We can combine wood, MDF, melamine, insulation boards, composite boards, composite panels, honeycomb panels, Metal Core panels, high pressure laminate boards and even panels made with composite or wood cores with an aluminum or stainless-steel skin on each side.

► Proflex Products can design, draw and create your molds and cutting fixtures using the latest technologies and our CNC machines.

► Depending on the number of parts needed, your budget and the technical requirements, these molds can be fabricated using MDF, wood, various composites such as urethane and epoxy, aluminum or steel.

Custom mold and cut tooling fabrication





**Achievements
vacuum forming**



Achievements vacuum forming



**Achievements
compression
molding**



Achievements laminating and glueing

Achievements passenger train interior parts





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