



Thermoforming

Precision Solutions for Complex Plastic Components

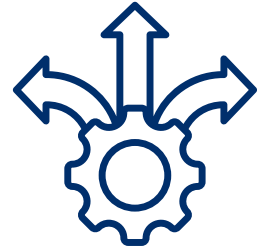


THERMOFORMING

Our thermoforming process delivers complex, high-quality parts with a wide range of plastic options, including post-molding decorative painting.

Extensive Design Flexibility

Thermoforming offers exceptional design flexibility, enabling the creation of intricate details, large durable parts, and molded-in features.



Lightweight & High Strength

Offering excellent impact resistance and structural integrity, this makes them ideal for applications requiring strength without excess weight.



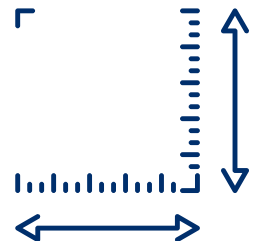
Cost-Effective Tooling

Its streamlined process enables efficient manufacturing without sacrificing quality or design complexity.



Small & Large Part Capability

We support both small, intricate components and large-scale, durable parts, providing versatile solutions across industries.



KEY PROCESSES

We specialize in both small and large-scale components, with pressure forming capabilities that allow for molded-in logos, post-molding assembly, and cost-effective tooling. Whether you need intricate details or large, durable parts, our thermoforming solutions provide versatility and precision to meet your unique requirements.

Two Types of Thermoforming:

- **Vacuum Forming** - Uses a vacuum to pull heated plastic sheets over a mold, creating lightweight, durable parts with simple to moderately complex shapes. It's cost-effective and ideal for large parts with smooth surfaces.
- **Pressure Forming** - Applies both vacuum and additional pressure to press the heated plastic into the mold, allowing for highly detailed features, sharp edges, and molded-in textures. It's ideal for aesthetic and precise applications, including those requiring logos, intricate details, and tight tolerances.

Both processes offer versatility, efficiency, and cost-effective tooling for a wide range of industries.

Types of materials we use:

- ABS
- Acrylic
- High-Density Polyethylene (HDPE)
- Polycarbonate
- Kydex
- Royalite
- PVC

