

VacuumForming



Vacuum forming – is the process of heating a sheet of plastic and using vacuum and pressure to form the part into the shape of the tool surface.

When is Vacuum Forming right for you?

Use **Vacuum Forming** when you are looking for a strong, durable and lightweight plastic part, cover or enclosure in place of sheet metal, wood or fiberglass.

Significant advantages of Vacuum Forming include:

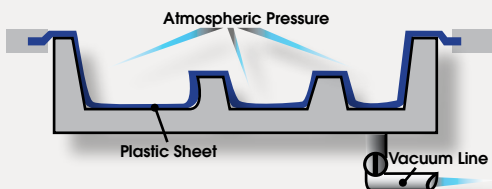
- Tooling costs are substantially lower than injection molding tooling costs
- A greater degree of versatility in the finished product than injection molding
- It has the ability to produce parts in volume with accurate replication of the original part

Vacuum forming is a great solution for:

- Point of Purchase Displays
- Automotive Aftermarket - Interior/Exterior
- Recreational Vehicles
- Pool and Spa
- Equipment Enclosures, Bezels, Housings and Covers
- Dunnage/Material Handling Trays & Pallets
- Fitness Equipment

Typical Volumes are high hundreds to high thousands.

Vacuum Forming: How the Process Works



Yes, Vacuum Forming is efficient for short and long run projects!

Vacuum Forming produces a one-sided part, whereby the sheet color and texture provide finished part aesthetics.

Vacuum Forming allows for cost effective and rapid tool modifications.

Vacuum Forming allows for the molding of a high gloss / smooth surface.

Delivering the designed-in feature you need!

There is great flexibility available with vacuum forming, allowing for custom made designs that can be used to cover almost any product.

Distinct Advantages:

- Low cost aluminum tooling
- Quick start up
- Economical for medium to high volume applications
- No need for painting, the color and texture are in the material

Suitable materials for use in vacuum forming are conventional thermoplastics and engineered resins such as high impact polystyrene, acrylic, polycarbonate, polyethylene, TPO, Acrylic / PVC, weatherable and non-weatherable ABS.



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