

# PressureForming



**Pressure forming** – a natural extension of the Vacuum Forming Process where air pressure is used as a forming aid to increase overall part detail by transferring tooling detail directly to the mold surface of the part.

## When is Pressure Forming right for you?

Use **Pressure Forming** when you are looking for the appearance of an injection molded or structural foam part with a fraction of the tooling cost.

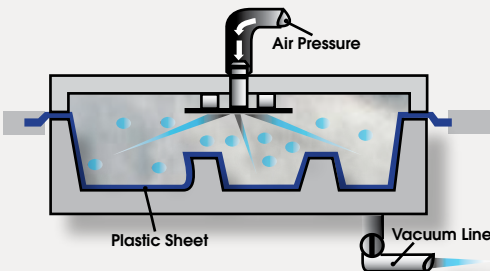
Pressure forming is ideal when:

- You want to achieve sharp, crisp, formed in features such as logos, label recesses or molded in texture
- You want to mold in undercuts or have zero draft
- You have a deep part and want even material distribution
- You want the outside surface of the part to be highly cosmetic
- You want to have multiple textures or smooth areas on the same part

Common pressure formed materials are ABS, Acrylic PVC, Polycarbonate, and other thermoplastic materials.

Typical volumes are high hundreds to high thousands.

### Pressure Forming: How the Process Works



“We want to be your thermoforming partner.”

## Yes, it really does look injection molded!

Pressure Forming produces parts that are visually identical to injection-molded parts at a fraction of the tool cost.

This is the perfect process for:

- Multi-part assemblies such as medical carts, kiosks, or industrial applications where tight tolerances and part to part repeatability are required
- Large parts such as equipment enclosures, bezels and housings that require a highly cosmetic appearance
- Shorter lead times

## Delivering the designed-in feature you need!

Distinct Advantages:

- Low cost aluminum tooling
- Sharp detail with mold-in:
  - Louvers
  - Label recesses
  - Logos / changeable inserts
  - Undercuts / zero draft
  - Texture
- Tight tolerances
- Less residual part stress



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