

Vacuum forming is especially well suited for forming equipment covers and electronic bezels.



**Thermoformed Bezels & Enclosures** provides low cost tooling can provide up to 100 parts from a CAD solid model or even replicate an existing cover that no longer is available. Thus sculpted shapes are possible using the CAD files to create a very striking cover design. Crisp surface features and sharp corners are possible. A wide selection of materials exists. For instance:

- White UV inhibited ABS for outdoor communication covers
- High temperature and high strength materials for military or medical requirements
- Electrically conducting plastics for high voltage equipment doors
- Flame rated UL approved materials for a consumer electronics applications
- Pre-decorated finishes with over 50 patterns and colors available
- We can provide silk screened or hot foil-stamped graphics on formed parts

For short run production quantities custom mixed polyurethane paint can provide an exact color match to your existing equipment. For higher volumes a custom pigmented resin blend can provide a color match without requiring a separate paint step. Selection of a textured surface will minimize the problem of surface blemishes with use.

Typically the formed covers are trimmed using a CNC milling machine so that mounting holes and cutouts are very reproducible from part to part. Complex covers are possible using a solvent weld or ultrasonic attachment of separate formed parts in conjunction with post forming CNC machining.