

Thermoform To Gas Assist Injection Molding Conversion: Medical Equipment Door Cover

The Challenge

Contoured, clean lines were a must in this medical device application, with sturdy, non-warping face panel. Clean multi-color decoration was also a requirement. Critical requirements were:

- Highly contoured and cosmetically attractive covers for high end medical equipment
- Greater stiffness and structural rigidity
- Consistent coloration and finish
- Cost reduction; higher production capacity and repeatability

The Solution

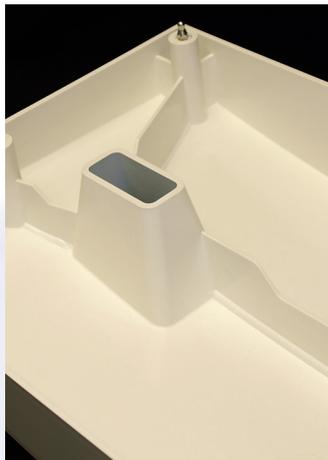
Sajar Plastics produced a robust and smooth front panel, for easy cleaning with disinfectants. Brand integrity was maintained with a permanent, pad printed, decorative logo.

- Strengthening ribs added for stiffness
- Bosses molded in rather than added later with adhesive
- Elimination of warp; consistency of surface finish
- Attractive pad printing of logo on lower bezel housing

Why Gas Assist?

As a leader in Gas Assist Injection Molding for large parts. Sajar Plastics provided:

- Superior surface finish; consistent textures
- High stiffness and structural stability with lower weight
- Elimination of warp
- Ease of cleaning



Why Sajar Plastics?

- Large plastic part design and production
- Complex designs and aesthetically pleasing surfaces
- Consolidation of many small parts into fewer, larger parts
- Integration of molding, finishing, and assembly capability
- Project management of multi-component jobs