



# **PART# 1 (001)**

## **Surgical System Cover Set – Front Cover Assembly & Top Cover**

**COMPETITION WINNER OF:** Thermoforming Conference – Heavy Gauge Pressure Formed-Gold, People’s Choice Award

**SUBMITTED BY:** Profile Plastics, Inc

**PROCESSOR:** Profile Plastics, Inc

**DESIGNER:** Customer

### **OVERVIEW:**

A pressure formed housing for a surgical waste management system used in hospital operating rooms.

Manufactured using negative tools, resulting in high cosmetic appearance with many molded in features to reduce assembly time. The front cover has seven vacuum-form and three pressure-formed parts, with a total of seven pneumatic slides. The top cover has five pneumatic slides. All tools are machined aluminum and temperature controlled. Both molds have in-mold, acid-etched texture. The top and front covers are formed from Kydex-T acrylic/PVC sheet. The clear windows are polycarbonate.