

### CUSTOMER

Global manufacturer of life sciences research products used in genomics, proteomics, and cellular analysis

### PART

Hermetic lid seal

### MATERIAL

PSI lid seal, 3M low tack paper

### MARIAN ADVANTAGE

Plotter prototypes, fast production rate, designed for manufacturability, ability to meet tight tolerances.

### CHALLENGE

This customer manufactures kits and reagents for life sciences research projects. They needed a **hermetic lid seal** that would stick to a low energy plastic, but, more importantly, the seal had to be **designed for manufacturability**. They needed a supplier who could develop a method to produce the parts to **satisfy their automation engineers**. A tolerance of .003" across the web was required.

### SOLUTION

Marian developed a **custom lamination and die-cutting process** using PSI lid seal and 3M low tack carrier paper, with the adhesive side exposed. We offered **plotter prototypes** before tooling up, **met tight tolerances** during production, and had a **fast production rate**. Marian was able to meet the engineers' expectations for producing parts for easy automation.

### CUSTOMER BENEFITS

- ◆ **Customized processes.** Marian developed a unique production process for the parts to ensure that the customer could automatically place the parts with ease.
- ◆ **Repeatability.** Marian was able to meet the **tight tolerance of .003"** across the web.
- ◆ **Prototypes.** Marian made plotter prototypes before investing in tooling to make sure the customer was happy with the results.

