

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.

