

MANUFACTURING & ENGINEERING SERVICES

Solutions that help our customers succeed

Today's sealing challenges require more than quality materials. They require responsive manufacturing, technical expertise, and the flexibility to support changing requirements. KLINGER Thermoseal continues to invest in manufacturing technology and engineering resources that help customers respond faster, reduce downtime, improve quality, and solve sealing challenges with confidence.

IN-HOUSE CAPABILITIES

Precision digital gasket cutting

Rapid, accurate production of prototypes, short-run production, high-value materials, and production quantities.

Reverse engineering

Existing gaskets can be accurately measured and recreated when drawings are unavailable. The Virtek LaserQC system enables rapid reproduction of replacement parts with confidence.

Precision dimensional inspection

Laser-based inspection provides rapid, repeatable dimensional verification for production parts and first article.

Engineering analysis and lab testing

When standard data isn't enough, engineering services provide the insights needed to optimize sealing reliability, validate materials, troubleshoot applications, and verify performance. Capabilities include pressure mapping of gasket loading and flange contact patterns to diagnose sealing issues and verify bolt loading, along with material property testing, chemical compatibility evaluations, comparative testing, and both standard and custom laboratory test methods.

HOW THIS BENEFITS YOU

- » **Faster turnaround** for prototypes and production
- » **Low-volume production** without tooling costs
- » **Reverse engineering** of obsolete parts
- » **Improved utilization** of premium sealing materials
- » **Supplemental capacity** during peak demand
- » **Engineering support** for difficult sealing applications
- » **Faster product validation** and inspection

YOUR PARTNER BEYOND MATERIALS

KLINGER Thermoseal combines premium sealing materials with advanced manufacturing and engineering services to help customers reduce lead times, improve flexibility, solve sealing problems, and capitalize on new opportunities.

From rapid prototyping and reverse engineering to sealing diagnostics and laboratory testing and analysis, KLINGER Thermoseal provides the manufacturing and engineering resources to help keep projects moving.



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