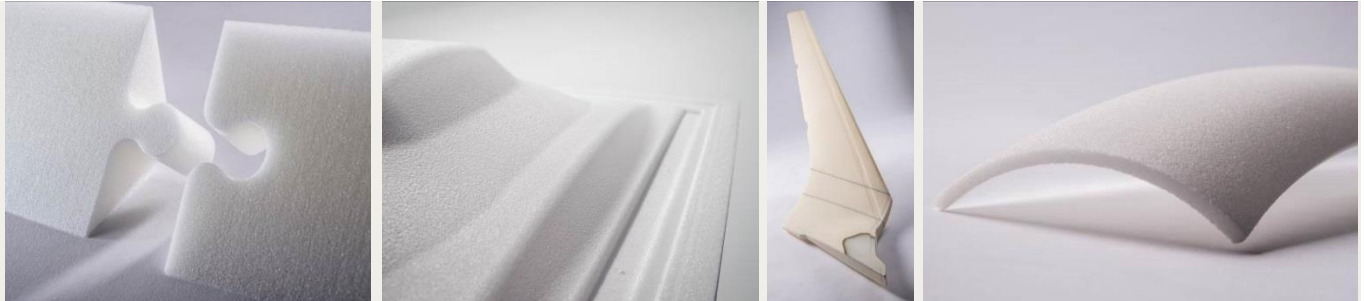


ROHACELL® Shaping Services / Americas



ENJOY THE ADVANTAGES OF READY-TO-USE FOAM CORES

Evonik offers a full range of ROHACELL® foam shaping services that provide convenient delivery of foam cores that are pre-shaped and ready for use.

At our full-service US shaping center, conveniently located inside our Theodore, Alabama ROHACELL® production facility, anything is possible – from prototypes for small development projects to complex geometric shapes for large-scale jobs with high volumes.

When we do the shaping, not only do you remove the expense and risk of damage or shaping waste that can occur during in-house processing, but you can also lower your inventory costs by scheduling just-in-time part delivery to support your unique production schedule.

Our state-of-the-art Shapes Department is equipped with the tools and trained experts who ensure your parts are shaped, inspected and shipped per your exact specifications and special requests.

CERTIFICATIONS

- AS9100 Certified
- ISO 9001
- ITAR certified (#M22668)



YOUR CHOICE: CNC MACHINING OR THERMOFORMING

Design freedom is unlimited with a choice of shaping your foam cores using either CNC machining or thermoforming.

Our Shapes Department is equipped with multiple 5-axis CNC machines featuring a table size of 5' x 12' with 41" in the z-axis. Parts of all sizes and quantities can be precisely shaped with ease.



If thermoforming is the optimal choice, our heating platens and ovens produce consistent, precise shapes – quickly and easily. Learn more inside....

THERMOFORMING OPERATIONS

Evonik's thermoforming procedure typically performs the shaping using a high temperature tool.

With extensive experience in working with ROHACELL®, our shaping professionals are able to minimize spring-back after part forming – resulting in a high quality core shape that meets tight tolerance requirements every time.

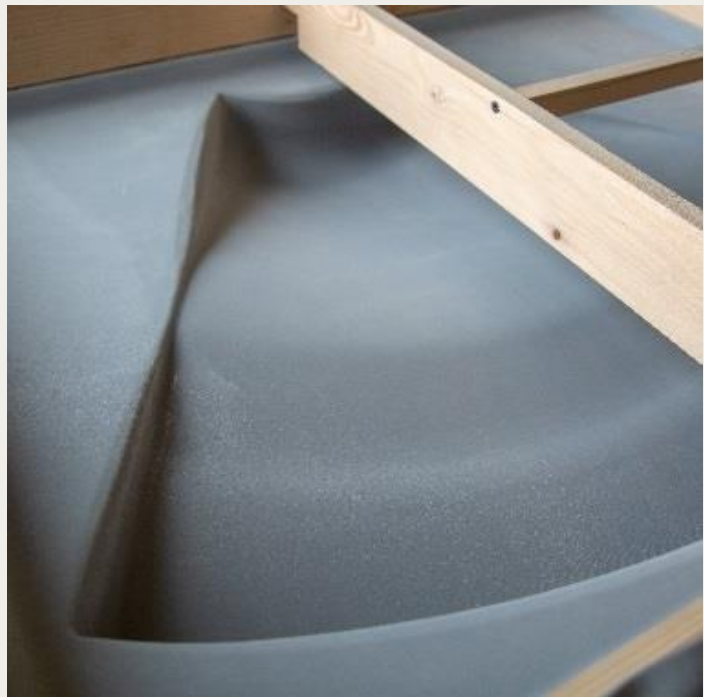
For parts with highly unique geometries, we offer an additional thermoforming option that uses heating platen technology. This efficient procedure reduces the expense of high temperature tooling and material waste that can occur during typical machining. Our sandwich technology engineers can confirm if a part qualifies for this process.

Heated Platens

- 55”L x 103”W x 14”H
- Vacuum forming with low temperature tooling

Thermoforming Oven

- 73”W x 83”H x 143”L
- Vacuum forming with high temperature tooling



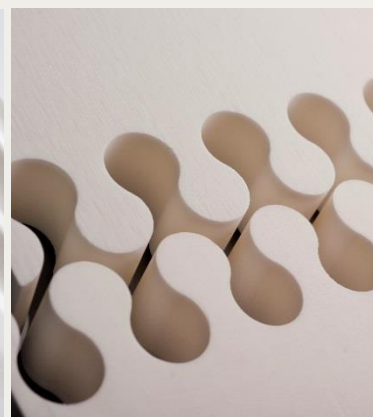
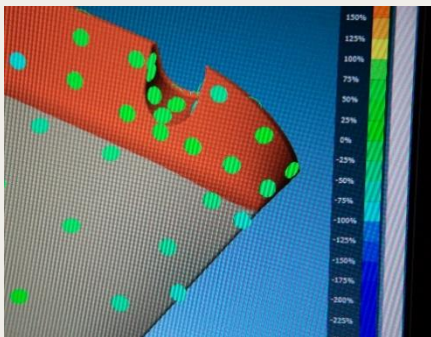
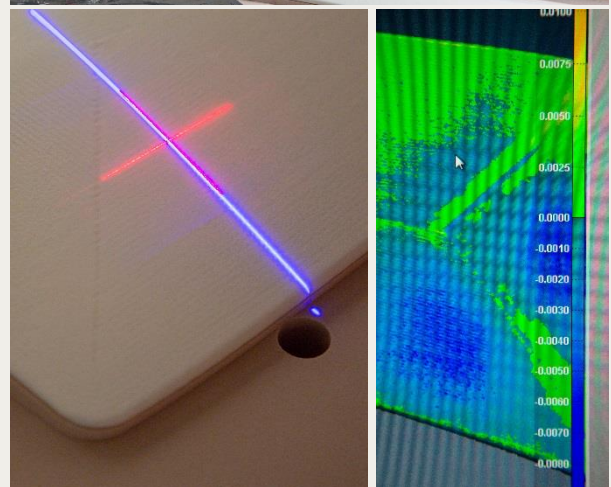
PART INSPECTION & CERTIFICATES OF CONFORMANCE

Our services don't end with part shaping alone. The Shapes Department can perform full AS9102 First Article Inspections.

We conduct part inspections with a FARO arm using either an 8' ball probe or 12' ball probe/laser, as well as calipers, micrometers, scales, etc. For some materials, a laser scanner can be used. Polyworks and CAM2 Measure 10 software are used for all inspections.

Certificates of Conformance are included in shape order deliveries to confirm material, specification, batch number, serial numbers and part names. Each shaped part can be traced all the way back to the base chemistry. Parts arrive at your location with clear labeling and are ready to process.

Shapes are delivered in vacuum sealed MIL-PRF-131 aluminium bags with desiccant enclosed to remove any possibility of moisture uptake during shipping.



SHAPING BY EVONIK – A SMART CHOICE

Evonik's professional shaping capabilities and experience with ROHACELL® enable customers to remove internal risks, lower overall lead time by eliminating dependence on shaping subcontractors, reduce in-house shaping waste and inventory costs, and remove any issues of FOD.

FOR MORE INFORMATION OR PRICING, CONTACT:

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