



# Advanced Composite Solutions



## Empowering the world to conceptualize, manufacture and implement advanced composite solutions.

At Trelleborg Sealing Solutions, we're experts in innovating and producing high-performance composite parts. Our solutions bring additive manufacturing technology to advanced composites, creating customized parts for critical applications in demanding environments around the world.

From design assistance, feasibility and prototyping to clinical builds and commercial products, our business model, quality system, and facility layout all aim for maximum flexibility in meeting the unique requirements of our customers.

Our team of engineers works closely with every customer to solve the complex engineering challenges facing today's industries. Advanced composite materials are lighter, more durable, and offer greater environmental resistance than many traditional materials like metals. Combined with Automated Fiber Placement (AFP), these materials form custom, complex parts specifically designed to handle the stresses of our customers' applications.

### Industries Served:

- Aerospace
- Automotive
- Construction
- Industrial
- Healthcare & Medical
- Oil & Gas
- Research & Development

### Features and Benefits:

- Additive manufacturing of advanced composites
- Lightweight
- Custom designs
- Complex geometries
- Durability
- Damage tolerance
- Environmental resistance
- Recyclable and repairable
- Hybrid-capable

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

Trelleborg Sealing Solutions is a leading developer, manufacturer and supplier of precision seals, bearings and custom-molded polymer components. It focuses on meeting the most demanding needs of aerospace, automotive and general industrial customers with innovative solutions.

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If you'd like to talk to Trelleborg Sealing Solutions, find your local contact at: [www.tss.trelleborg.com/worldwide](http://www.tss.trelleborg.com/worldwide)