

# Element Materials Technology Warwick

Comprehensive Environmental  
and Vibration Testing Solutions





Element Warwick is our premier European environmental testing center with ISO/IEC 17025:2017 accreditation. We house three of the UK's largest LDS984 vibration systems alongside advanced climatic chambers, serving aerospace, defence, transport and space industries.

### Our specialized expertise:

- **Environmental Climatic Testing**  
We replicate extreme temperatures and humidity—from -70°C to +170°C—to validate product performance under real-world conditions.
- **Vibration & Shock Testing**  
Our large-capacity shakers, including LDS984 systems, accommodate small to massive specimens up to 3kHz, capturing critical data for on-engine aerospace applications.
- **Ingress Protection (IP) and Corrosion Testing**  
Our dust, sand, and salt spray facilities confirm your product's resistance to moisture and debris, maintaining performance in challenging environments.
- **Advisory Services**  
We offer expert guidance on industry standards, ensuring your testing programs align with RTCA DO-160, MIL-STD, DEF STAN, and BS EN/IEC requirements.

### Why choose Element Warwick?

We combine extensive vibration and climatic testing under one roof, eliminating multiple test houses. With 10+ shakers, 15+ chambers, and multi-skilled engineers, we tailor qualification programs to your exact specifications. Our customer-centric focus ensures accurate, timely results for both urgent requirements and complex, multi-discipline programs.

### Success in numbers

We regularly execute 150+ test lines weekly, demonstrating our capacity to manage multiple simultaneous programs. Our comprehensive capabilities ensure you can depend on us for all environmental testing requirements.

### Take the next step

We're ready to support your testing needs.

**Schedule a tour** to see our lab in action, or **request a sample analysis** and experience our quick, high-capacity testing solutions.

### Accreditations

We hold UKAS (ISO 17025) accreditation, ISO 9001 certification, Cyber Essentials Plus, JOSCAR approval, and customer-specific endorsements from Rolls Royce, UTC, and Gama Aviation. Our explosives and firearms licences further enable secure testing of restricted items.

### What Our Clients Say

“Working with Element Warwick streamlined our entire qualification process, saving us significant time and effort.”

### Connect with our team

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