



Jade Electronics Solutions Ltd

High-Reliability Electronics Manufacturing Services (EMS)

AS9100D-level process discipline | SC21 aligned | ISO9001-accredited QMS

Specialising in NPI and complex, high-integrity electronic and electromechanical assemblies

Company Overview

Jade Electronics Solutions Ltd is a UK-based Electronics Manufacturing Services (EMS) provider delivering high-reliability electronic and electromechanical assemblies for defence, aerospace, medical and industrial programmes.

Jade supports OEMs and prime contractors requiring controlled NPI introduction, specialist assemblies and reliable production where build integrity, traceability and lifecycle support are essential.

Jade also supports programmes requiring operational analysis, systems thinking, Human Factors integration and safety-critical operational development alongside advanced manufacturing capability.

Defence | Aerospace | Medical | Industrial | Training & Simulation

Quality & Governance

Our manufacturing governance model is built around AS9100D-level process discipline, aligned with SC21, and supported by an ISO9001-accredited quality management system. These frameworks ensure disciplined configuration control, full traceability and robust supplier assurance across all programmes.

Our most recent external audit returned zero non-conformities and fourteen positive observations, reflecting the documentation control, supplier management and quality assurance embedded throughout our operations.

We maintain governance capability in operational assurance, Human Factors, safety-critical programme development and defence-sector compliance alignment. We also operate a controlled, vetted supply chain with full lifecycle continuity.

Core Capabilities

- High-reliability PCB assembly and complex electromechanical integration
- Structured NPI and Design-for-Manufacture (DFM) support
- Legacy product sustainment and controlled production transfer
- Operational analysis, Human Factors integration and systems-driven capability development
- Documentation control, configuration management and full product traceability
- Box build, cable and harness assemblies, and final system integration
- Safety-critical operational programme support and defence-sector training system development

All manufacturing activities are delivered through engineered on-site processes supported by strict quality governance and lifecycle documentation control supported by IPC-A-610 and IPC-WHMA-620 workmanship standards. This approach reduces programme risk, ensures build consistency and supports long-term product continuity.

Strategic Direction

Our long-term objective is to establish Jade Electronics Solutions as a Tier-1 multi-sector sovereign EMS partner and advanced manufacturing centre within the South West of the United Kingdom. This includes sustained investment in manufacturing capability, partnerships with prime contractors and universities, apprenticeship development and the creation of a quality-driven manufacturing centre exceeding recognised IPC standards.

Our strategic direction integrates advanced engineering and manufacturing capability with operational, Human Factors and systems-thinking expertise required by defence and specialist sectors.

Engagement

We welcome early engagement where a disciplined manufacturing partner can support NPI introduction, legacy programme continuity or specialist high-reliability assemblies.

