

Manufacturing

Test systems design and manufacture

We provide a trusted and innovative total manufacturing capability for highly complex electronic integrated systems, sub-systems, modules and printed electronic circuit assemblies where quality is paramount. Our ethos is to add value through our people, scale, capability and engineering know-how, allowing us to provide a vital advantage to our customers where it counts.

baesystems.com/electronicmanufacturinguk



BAE SYSTEMS

The manufacturing test systems group is a premier provider of test systems and solutions to the electronics, aerospace, and defence industries.

With over 25 years of experience, we are proud to offer customers the following benefits:

- A one-stop-shop for contracts from <£10k to >£5M
- Competitive fixed-price terms for design, development and production
- A proven track record of on-time and rapid-response delivery
- Established and efficient routes to product certification and qualification
- Options for in-service support contracts, ranging from 1 year to >20 years
- Quality certification to ISO 9001 IT and AS/EN 9100.

Our key capabilities include:

- Test strategy and solutions consultancy
- Design and development of new test systems and equipment
- Hardware and software upgrades to existing systems
- Refurbishment and re-life of legacy systems
- Design and manufacture of jigs, harnesses and fixtures
- Comprehensive through-life support services.

Resources and technologies

The group comprises a core of highly experienced test equipment design specialists covering the electronics, mechanical and software domains.

Additional highly-specialised support is accessed via the extensive engineering resources within the wider BAE Systems organisation, while manufacture and integration is carried out in-house at our Portsmouth site.

Our development engineers have a breadth of skill and experience covering all types of complex systems, modules, circuit boards, microwave modules and micro-electronics across a wide range of products and applications.

Custom test solutions

Test solutions can be tailored to the requirements of individual customers and products. Manual or automatic solutions can be developed depending on production volumes and the complexity of test. The retention, analysis and display of test result data is a key strength of our systems.

The National Instruments (NI) suite of languages is the preferred solution for our automatic test systems, and can be implemented on a variety of host platforms. The group has experience of using all the major instrument types and technologies.

Test solutions can be procured on a turnkey basis or developed in a collaborative relationship with your product design team. We are experts in concurrent development of test solutions and in managing design change in high technology products.

Lifecycle support

We are able to offer full lifecycle support for all our test solutions. With a proud heritage in the aerospace and defence sectors, we are used to supporting products with extended in-service life and many of our equipments have been supported for more than 20 years. Drawing packs and technical documentation for our systems is comprehensive and we are able to offer:

- Calibration and maintenance at customer locations
- Full spares and repairs facilities
- Obsolescence management services
- Planned updates and life extensions
- Continuing technical support and post design services.

In-service support options range from basic calibration and maintenance, through fixed and survey-based repairs, to full Contracting for Availability (CfA) services. Contact us to discuss your project requirements.

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