



The True Value of Engineering

At TT Electronics Global Manufacturing Solutions, we understand the value of engineering and the level of talent required to provide true end-to-end electronics solutions. Our engineering organization is committed to supporting collaborative design activities, manufacturability and testability reviews, cost management solutions, test development and lifecycle management programs.

TT Electronics provides value to original equipment manufacturers needing low volume, high mix expertise.

Engineering is a key contributor at every step of an electronic product's lifecycle. We provide value to original equipment manufacturers needing low volume, high mix expertise. It all begins with front-end engineering support during product design and development, continues with managing the cost reduction roadmap and solutions for product life management and obsolescence avoidance, and finally, focuses on redesign and technology refresh when extended product lives are required.

TT engineering teams are an extension of your in-house engineering services. If your engineering department is understaffed and overwhelmed, we serve as a collaborative partner offering complete engineering solutions to allow your team to focus on core technology development while outsourcing non-core design activities. Whether you need mechanical or electrical design support, we have a global team of engineers dedicated to supporting product development.

Electronics components and products become dated and obsolete every day. At TT Electronics we watch and identify potential end of life issues so your engineering team can focus on the future. Using our global team of engineers to manage component obsolescence and technology refresh ensures your resources are dedicated to the future of your business.

Combined with the experience gained from TT's component businesses, we use a combination of market intelligence and world-class software solutions to monitor and forecast when and where component problems will arise.

While many engineers focus on the functionality of their design, our resources help your team focus on the total cost of ownership. Global Manufacture Solutions utilizes the latest in software technology to provide best-in-class Design for Excellence (DfX) and Design for Test (DfT) methods.



We concentrate on designing products with your supply chain in mind. As products migrate into production, we consider how our global manufacturing model will be leveraged and determine how we can maximize supply chain efficiency. Leveraging our global supply chain network, our engineers partner with some of the best suppliers in the world to produce the highest quality made-to-print components and fabrications.

As further demonstration of our commitment to design, we have invested in world-class environmental and reliability testing equipment. We operate an independent UKAS (United Kingdom Accreditation Service) facility in the U.K., and we are making investments in these capabilities in our North American facility. With the ability to perform a variety of environmental and calibration activities, we complement our comprehensive engineering offerings for all our global customers.

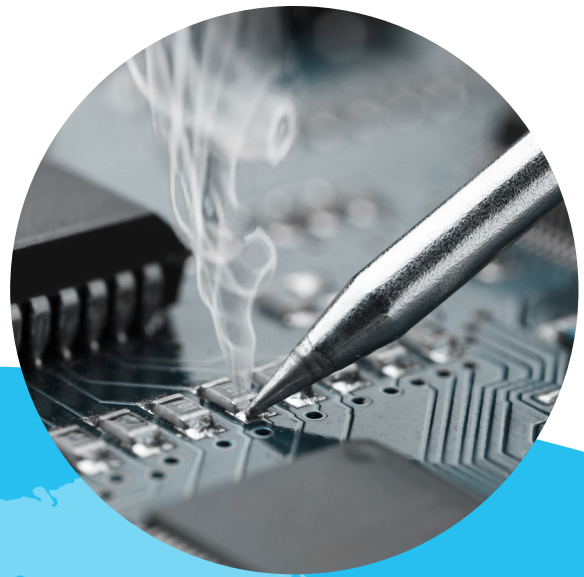
From simple to complex test solutions, our test engineering organization has the expertise to develop a comprehensive test strategy for your products. Whether your designs call for In Circuit Test, Flying Probe or Functional Test Solutions, we have technical resources in our factories to support all of your test development needs. From simple manual functional test stations to complex multi-platform automated test equipment, our engineering resources work with your team to develop solutions tailored to your individual needs.

Every TT Electronics customer benefits from ongoing engineering collaboration, support and optimization for every one of the more than 12,000 electronic products made

each month in our facilities. Some of the largest and best known aerospace, defense, medical, rail and industrial manufacturers depend on TT's engineering teams to provide a competitive edge in the marketplace. Learn what competitive advantages TT's engineering teams can provide for you.

About TT Electronics Global Manufacturing Solutions

TT Electronics Global Manufacturing Solutions, a wholly owned subsidiary of TT Electronics plc, specializes in low volume, high mix electronics manufacturing services for the aerospace, defense, industrial, medical and rail industries. With manufacturing locations in North America, Europe and Asia, TT provides high complexity electronics and electromechanical assemblies for regional and global manufacturing companies. With a reputation for quality, engineering, testing and integration, we provide every customer with personalized business solutions and global buying power.



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