

*“Delivering Solutions through
Technology and Partnership”*



Jaltek Systems

WHY JALTEK?

DELIVERING SOLUTIONS THROUGH TECHNOLOGY AND PARTNERSHIP

Jaltek Systems is a leading electronics technology solutions provider offering a comprehensive range of vertically integrated design and manufacturing services tailored to meet our customer's highly diversified business requirements. We recognise the market need to be flexible and responsive to meet the demands of a constantly changing landscape, focusing on low to medium volume high mix product profiles.

Jaltek has a well established and diverse customer base, from the global PLCs to start-up ventures. Many of our customers have worked with us for over a decade which is a testament to Jaltek's strong customer focus and support.

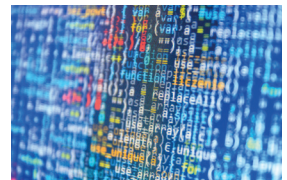
KEY MARKET SECTORS

WORKING WITH CUSTOMERS TO CREATE HISTORY

Jaltek's customers work in cutting edge high technology environments and have low to medium volume high mix product profiles.

We have long associations with our key market sectors. However, we operate across a wide range of markets beyond those defined as key sectors.

- Clean Energy
- Communication & Broadcasting
- Consumer
- Defence & Aerospace
- Homeland Security
- IP Development Platforms
- Medical
- Scientific Research
- Space



Adjacent to our existing key verticals we are also interested in developing partnerships within new markets that have similar product characteristics as those of our current customers.

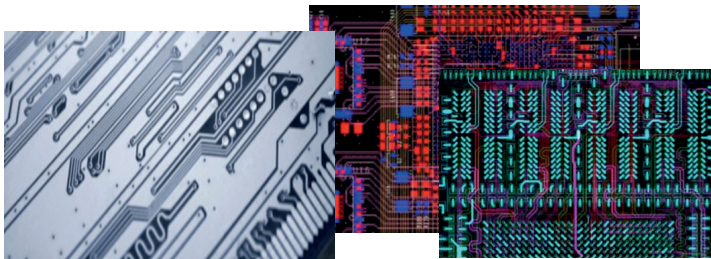
With over a decade of experience engineering products to operate in the harshest environments, we guarantee 100% accuracy and reliability where it matters most.



INTEGRATED DESIGN

AT THE FOREFRONT OF THE LATEST TECHNOLOGY AND INNOVATION

By integrating design and manufacturing early in the development process, Jaltek lowers cost and reduces time to market, through streamlined processes.



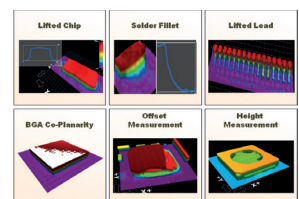
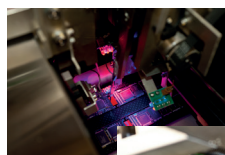
- New Product Introduction (NPI)
- Value Engineering
- Mechanical Design
- PCB Design
- Multi-layer, Flex, Flex-Rigid
- PCB Thermal Analysis
- Signal Integrity & EMC Analysis
- DfX Services

MANUFACTURING SOLUTIONS

MAXIMISING PROFITS THROUGH OPTIMISED PRODUCT REALISATION

Jaltek offers a tool box of solutions which can either be utilised as a fully integrated solution or a single service. From conceptual design and NPI, through manufacturing and test, to final product realisation, Jaltek supports products through-out the complete product lifecycle.

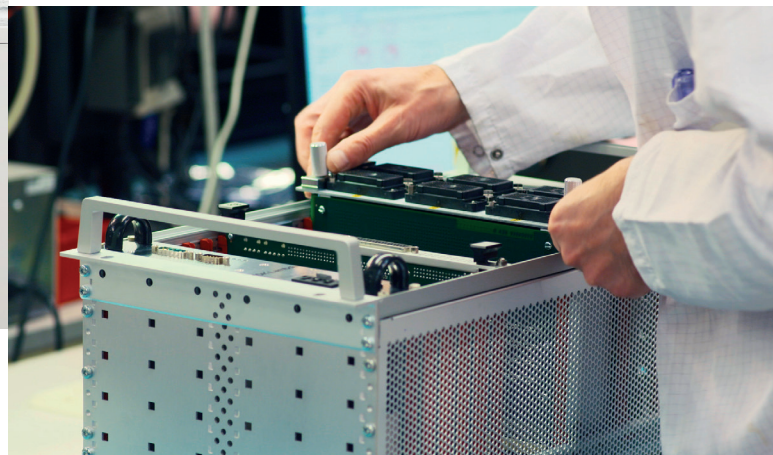
- 3 SMT lines
- Dedicated NPI Line
- Vapour Phase
- Selective Solder with IPC-A-610 Class 3 workmanship
- Conformal Coating
- Manual Assembly
- Cable Assembly
- Pressfit
- Extensive test suite
- State-of-the-art 2D/3D inspection technology
- Box-build & High Level Assembly
- System Integration
- Mechanical Solutions (via partner)
- Plastics (via partner)



WHY JALTEK?

BOX BUILD

Increasingly our customers are turning to us to provide end to end solutions and we are working with more innovative start ups right from initial concept to bring their exciting new products to market. We provide a full electrical box build assembly service tailor made to our customers requirements that saves both time and money. Our box builds range from simple assemblies to highly complex integrated systems and include material procurement as well as total management of the process from concept to delivery. We ensure that every product shipped directly from Jaltek meets our customers stringent order fulfilment and logistics demands.





QUALITY

MAKING EXCELLENCE A HABIT (BSI)

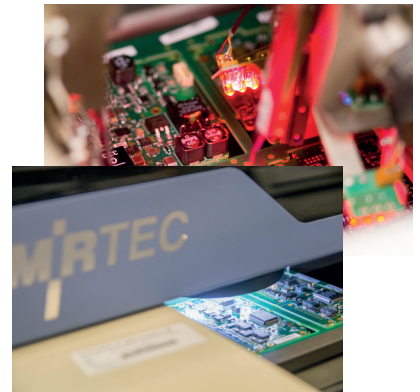
Jaltek's Quality Policy is built on a Management Commitment of Continual Improvement to find Best Practice in order to achieve demonstrable World Class Quality Performance.

Jaltek's robust Quality Management System (QMS) is structured to ensure the products and services that are provided meet the high expectations of our customers. In order to ensure that the QMS is maintained at the highest level, Jaltek is certified by the British Standards Institution (BSI).

- Certifications
- Quality Strategy for Test & Inspection
- In-House IPC Training
- resource Quality & Training Manager
- Lean 6-Sigma Green Belt Trained (GE)
- BSI Lead Auditor for Quality Systems & Environmental Standards



aerospace
sector
certification
scheme



AEGIS SOFTWARE

IMPROVING SPEED, CONTROL AND VISIBILITY



Overarching Jaltek's whole production facility and improving productivity is a Manufacturing Execution System (MES) by AEGIS Industrial Software Systems.

This powerful tracking and tracing toolset gives us the ability to offer full traceability - right down to component batch level - for every assembly that is produced. Jobs are tracked and data recorded in real time. The system automatically publishes weekly quality metrics, allowing us to drill down into the detail of the data. We can now trace any faults right back to the pin of a device on a particular board.

WHY JALTEK?

SILICON EXPERT

Jaltek subscribe to a BOM Management software programme from SiliconExpert which provides electronic component data & parts management software to the electronics industry. The software allows us to manage our customer's Bill of Materials in one centralised location and has the most precise data and sophisticated tools for component management on the market.

The tool identifies incorrect manufacturer's part numbers suggesting correct options, accounts for acquisitions between manufacturers and also populates the latest component data from Silicon Expert's database. The software can also generate reports for thousands of components instantaneously including data such as BOM Health, Lifecycle status, Multi-sourcing, Counterfeit Components, ITAR Controlled Parts and Conflict Minerals to name a few. All of which are increasing challenges and risk factors for supply chain management.

Silicon Expert allows us to ensure that our customers BOM's are as low risk as possible and therefore in turn that their products have guaranteed longevity, reliability and a faster time to market, all of which are critical factors for many of our customers.



PRODUCT ENGINEERING PACKS

With the introduction of our Product Engineering Packs Jaltek aims to revolutionise the way electronic manufacturing companies work by giving control back to the Original Electronic Manufacturer (OEM). If customers subscribe to this service they will be given a manual that guides them through the entire manufacturing process of their product. The pack focuses on cost, manufacturability, quality, performance and reliability; all key characteristics when taking a product to market.

Beginning at the initial conceptual design stage our concurrent product engineering approach translates a customer's vision in to a tangible design and then a fully functional product supporting a smooth transition to manufacture. Ensuring the product can be produced in volume is a vital part of this process.

At each stage of a products development cycle, and as it is refined, an updated data pack will be sent to the customer with the latest build report included. The result is complete certainty that you have a risk free productionised product with guaranteed quality and longevity. In offering these packs our aim is to ensure that our customer's are fully informed and in turn in full control of their own products. Customers are involved in the entire life cycle of their product, allowing them to be fully immersed in the process and understand every decision and choice that is made throughout.





COMPANY CULTURE

Jaltek are committed to providing equal opportunities through all areas of our business and pride ourselves in our employees being as diverse as the products we help to create.

We actively encourage and drive the development of our employees and when it comes to our people, we stand apart from our competitors by not recruiting solely on the basis of an individual's intellect, capability and experience. Key attributes also include passion for the role, commitment to moving in the same direction as the business and a willingness to put their head above the parapet for the good of the business.

**“ One machine can do the work of Fifty ordinary men.
No machine can do the work of One extraordinary man. ”**
- Elbert Hubbard

OUR KEY VALUES

Jaltek's shared values encompass 3 key attributes which are instilled within our business model and ensure the consideration of all stakeholders:

- A passion for customer excellence throughout both internal and external supply chains ensures a commitment to quality and open communications to maintain and promote ownership and accountability.
- Jaltek instil a sense of unity through a leadership style that encourages a culture of continuous people and process development in an environment of synergy, transparency and integrity.
- Jaltek continues to challenge the electronic manufacturing services status quo through its innovative approach to traditional design and manufacturing practices to maintain competitive advantage with cutting edge technical excellence.

WHY JALTEK?

SOME OF OUR CUSTOMERS





MANUFACTURING & SOLUTIONS

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