



CONTRACT ELECTRONICS  
MANUFACTURING SERVICES

CAPABILITY OVERVIEW

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**axiom**  
MANUFACTURING SERVICES

# CAPABILITY OVERVIEW

## *Why you should choose Axiom as your outsourced manufacturing partner*

- We work closely with all of our supply chain partners to create an optimal supply chain unique to you, to solve problems, analyse and discuss strategic issues, and to facilitate communication
- We ensure that we exchange important information about customer needs and wants and work proactively to develop opportunities to improve products, quality and cost
- We are constantly looking for best practice and best thinking as a way to deliver added value
- Continuous improvement is a way of life. We gained AS9100 accreditation in 1 week demonstrating our existing robust processes
- Customers aren't afraid to ask us tough questions and we welcome the opportunity to provide the right answers
- We recognise that each customer's needs are different, so we create our teams and programs to be flexible and designed to fit your requirements
- We maintain tight control over each and every aspect of our customers' programs
- We give everyone the respect they deserve
- We invest the time and money to provide our employees with the necessary skills for them to undertake their roles effectively
- We consider the environmental impact of our working practices and pro-actively work to reduce our impact on the world around us

## *Axiom provides contract electronics manufacturing services to the aerospace, defence, medical and industrial markets.*

### **Technology and Capability**

- Automated surface mount assembly (Fuji)
- Automated axial and radial through hole insertion
- Automated flow soldering
- Manual insertion and soldering
- Extensive electromechanical box build assembly and test
- Test and inspection strategies including AOI, ICT and Flying Probe, JTAG
- EMC testing (partnership)
- Full ESS (environmental stress screening) testing capability (HALT)
- PCB wash - Ionic contamination testing
- X-Ray (2D DAGE)
- Automated conformal coating
- IPC/BSI certified RoHS compliant soldering processes available

### **Quality**

- ISO 9001:2000
- ISO 14001
- TS 16949
- AS9100
- 1st SME in Wales to achieve the Green Dragon level 5 environmental standard
- ESD (BS EN61340-5-1-2007), Investors in People
- EFQM – Environmental prize winner (Wales Quality Award)
- 1st electronics manufacturer to achieve the BSI Kite standard (IPC-610D)
- EFQM – Manufacturing prize winner (Wales Quality Award)
- IPC Certification RoHS 1st in Europe

Axiom is a member of the IPC and manufactures to IPC-A-610D Class III workmanship standards



### **World class methodologies, tools and techniques**

- EFQM Business Excellence Model
- Supply Chain 21 (SC21)
- Advanced product quality planning (APQP)
- 5s (work place organization)
- Lean (encompassing strategy development and deployment)
- Value stream mapping
- Poka-Yoke – mistake proofing in design of process controls
- FMEA – failure mode and effects analysis
- SPC – capability studies followed by statistical process control
- Cause and effect diagrams and brainstorming
- Most appropriate tool for the job

### **Systems**

- ERP
- Component Lifecycle Management Tools (IHS)
- Advanced Planning Systems (APS) (real time)
- Real-time shop floor data capture, using RF technology

### **Business Culture**

- Customer focused
- Partnership - Hands on team approach
- Focus on adding value and reducing overall acquisition costs
- Flexible, responsive and reliable
- Continuous investment and innovation
- Development of personalised end to end supply chains
- Can do attitude

### **Facility**

- Capacity and location – 300,000 sq ft
- Enhanced security including full access control
- Easy access to UK motorway network