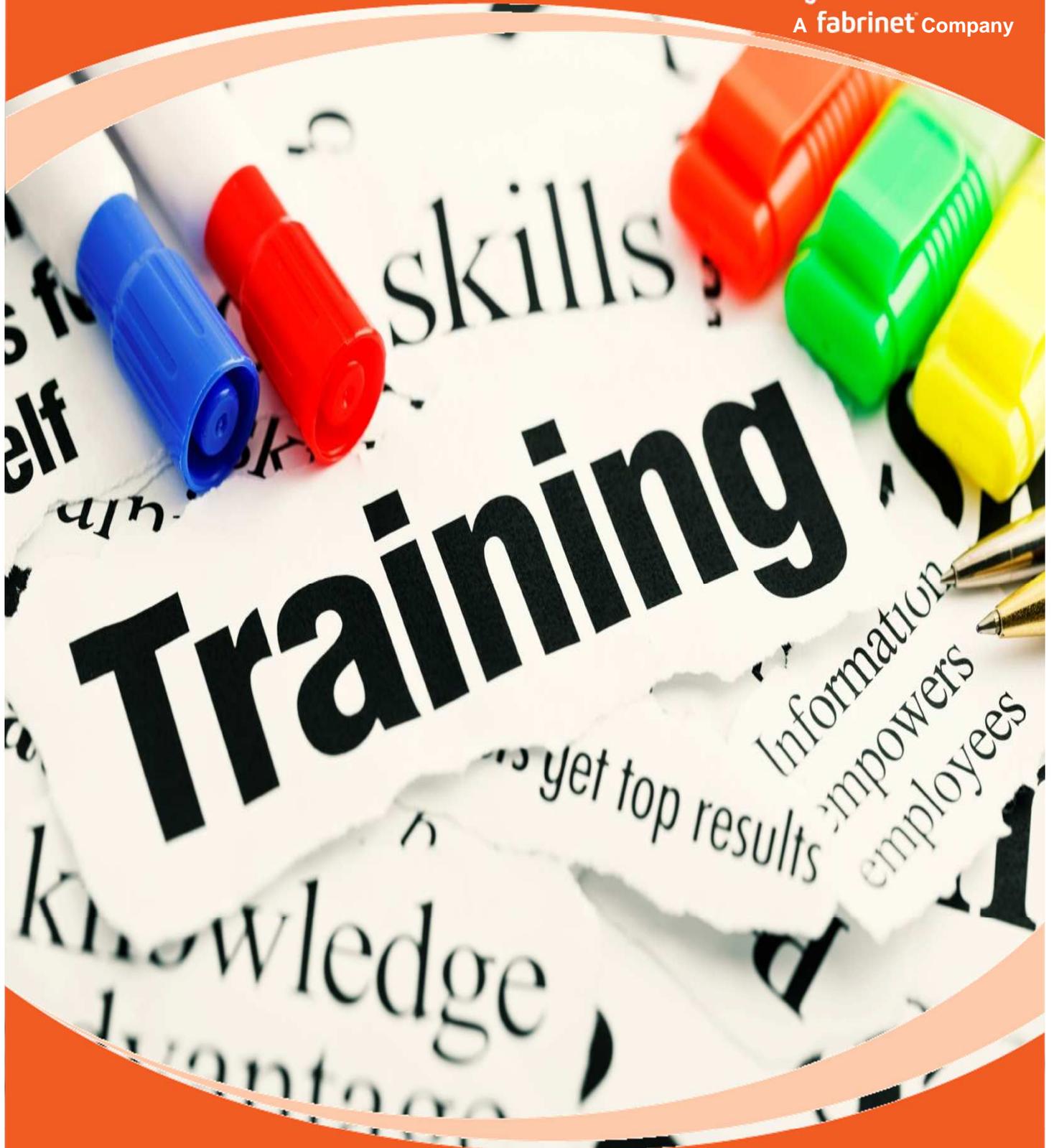


Exception

Delivering Global CEM Solutions

A Fabrinet Company



**Providing Training Solutions to
Empower People for the Future**

Training for Excellence

Exception EMS's Training Academy is responsible for the delivery of training to our technicians that support our operation and manufacturing facility in Calne, Wiltshire, UK



Due to the diversity of customers and market sectors being supported the academy is constantly changing to adapt and find new ways that apply best practise to the manufacturing solution. This means that the portfolio of training packages provided remain up to date and relevant to today's technology

As a manufacturing operation providing training to **outside organisations** our training approach draws on real-life techniques and practices and uses our knowledge and expertise knowing with confidence that we can design a course to suit your needs

“When we host customer visits and share with them our Training Academy and the rigorous process we adopt with our people it quickly became apparent that the need was far wider. Since launching the academy in the Summer of 2013 we have supported training to many customers far and wide. It has been a great asset to our own people and customers alike”

Mark Davies
Operations Director, Exception EMS



Customised Training

Being flexible in manufacturing also applies to our training...

Exception EMS are able to provide the IPC accredited courses in a tailored service that suits;

- On site Academy allows us to conduct on hands practice with theory and classroom based sessions
- We come to you - Exception EMS are able to provide a proposal based on your number of technicians and course requirements
- Tailored courses – taking elements of IPC to suit you?
- Individuals catered for - Come and join our weekly training programs
- Refresher Courses

All our courses are provided by an accredited IPC Trainer



IPC Training



With its comprehensive criteria for printed circuit board assemblies, IPC-A-610 is the most widely used inspection standard in the electronics industry being embraced by original equipment manufacturers and electronics manufacturing services companies worldwide

IPC-A-610 'Acceptability of Electronic Assemblies'

The standard is used to assess and inspect what is the acceptability to component and workmanship levels including Pb Free

IPC J-STD-001 'Requirements for Soldered Electrical & Electronic Assemblies'

The standard describes materials, methods and verification criteria for producing high-quality soldered leaded and lead-free interconnections. It emphasizes process control and establishes industry consensus requirements for a broad range of electronic connections

IPC-7711/7721 'Rework, Modification & Repair of Electronic Assemblies'

This standard focuses on the repair and reworking using techniques on through-hole and surface-mount as well as tracks, BGA's and PCB laminates. The course also covers additional areas such as conformal coating that prove useful if you are in the Oil & Gas or Aerospace & Defence industry

IPC/WHMA-A-620 'Requirements & Acceptance for Cable & Wire Harness Assy's'

This standard focuses on all aspects of cable harnessing creation, from measuring, crimping, splicing and terminal end soldering as well as a number of other key areas that aid the technician to competently support the criteria

Why earn IPC-A-610 certification?

Certification in this worldwide industry-traceable program demonstrates your commitment to continuous improvement of product quality and reliability. The CIS (Certified IPC Application Specialist) course provides individuals with a portable credential that represents their understanding of IPC-A-610.

- 2 year certification cover
- Personal achievement
- Certificate of compliance

Contract Electronic Manufacturing Solutions

... Global Electronics, serviced locally



Solutions Management

Understanding the requirements at the early stages of each design and knowing when and where to build your product once signed off is essential. At Exception EMS having the 'On-Demand' service prior to our global network of best in class manufacturing facilities is essential in ensuring the design is fit for volume and stable to transfer. All of this is managed by our own centre of excellence facility in the UK

Whether its prototyping, a special project or high volume we have a solution



UK HQ ~ Centre of Excellence
On-Demand – time critical and special projects
High Mix Low to Medium Volume Manufacturing



US Sales Office – Houston, TX
Supply Chain IPO – Penang, Malaysia



4x Manufacturing Sites
(Malaysia, Thailand, Czech Republic and China)
High Volume Manufacturing



Exception EMS, who are we?

...Delivering Global CEM Solution on a local footprint

Exception EMS is a leading design and manufacturing service provider, offering an effective end-to-end capability for the design and manufacture of complex electronic systems

Based in the UK, with strategic partners in low cost regions, Exception EMS provides professional and accessible electronic design and manufacturing services to a wide range of clients from start-up through to global multi-site blue chip OEMs, and has particular in depth knowledge and broad experience in niche market sectors that require focus around ruggedisation and harsh environments

From PCB's to complete systems, Exception EMS offers expertise in the specification, design, NPI, assembly and test of complex printed circuit boards. Our careful attention to design for manufacture and risk adverse supply chain solutions maximises the life cycle of your product and minimises early obsolescence

Exception EMS provides Contract Electronic Manufacturing (CEM) to OEM's across the globe. This is based around six core competencies;

- **Technical Reporting**; providing pre and post design support to aid design, reduced costs and time to market
- **Professional Services** supporting key consultancy in PCB and mechanical design, supply chain, test development and project management
- Dedicated **New Product Introduction** (NPI, On-Demand) PCB Assembly in the UK
- **Low-Medium** Volume contract electronic manufacturing in the UK
- **High Volume Offshore PCB Assembly**, managed by our UK management team
- **System Integration** and full **Box Build** solutions

Exception EMS's 220 employees work across a single UK location supported by supply chain in Malaysia and a Sales office in Houston, Texas

Exception alongside its strategic supply chain and manufacturing partners are approved to BSEN 9100/AS9100 and/or ISO9001:2000 and control all aspects of the manufacturing process including component supply chain, supplier audit, manufacturing and logistics

Exception are proud to announce over a 30 year pedigree in supporting such prestigious names associated with high reliability electronics within the Industrial, Oil and Gas, Renewable Energy, Networking and Broadcast, Semiconductor, F1 and Aerospace and Defence sectors

Comprehensive Design & Support Excellence

... Professional Services

Our comprehensive range of first class design, support and manufacturing services is undertaken by OEM's and multiple Blue chip organisations world-wide

Our depth of skill and industry expertise enables us to quickly understand your business, providing honest and practical advice and solutions throughout the entire product life-cycle. This drives a reduction in design times and improves manufacturing efficiency

Offering Value Add to the Process

- Full product design via key partners
- Pre and Post Manufacture Technical Support providing:
 - DfM (Design for Manufacturing)
 - DfT (Design for Test)
 - DfV (Design for Volume)
 - Comprehensive Reporting for continuous improvements
- PCB Design (Schematic Capture and Layout)
- Mechanical Design
- New Product Introduction
- Dedicated Project Management
- **IPC Training**
- Test Development and Test hardware creation
- Supply Chain Auditing, Recommendations and monthly Market Watch Survey



Logo images courtesy of partners

Interested?

Please do not hesitate to contact us for a free, no obligation training proposal

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We look forward to hearing from you

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