



Specialist Manufacturing Solutions

4E provides specialist manufacturing and assembly solutions for technology products.

We offer a complete range of services from wire preparation, PCBA assembly through to fully assembled and tested products ready to ship out to you or your clients. From product prototyping through to production run out, you will benefit, irrespective of job size, from our consolidated purchasing power and excellent service from our skilled operators and engineers.

4E has many years' experience supporting clients' product requirements, from the prototyping stage through to regular production, while continuously managing the product lifecycle. Our manufacturing facility maintains ISO 13485:2016 quality standards. We pride ourselves on the excellent working relationships we forge with our clients, and our record of delivering a successful outcome, whatever the project.

CAPABILITIES SERVICES

Electronic and PCBA Assembly
Hand Assembly, Box Build and Cabling
Electro-Mechanical Assembly
Test and Verification Services
Documentation and Full Traceability
ISO 13485 In-House Production Facility

Low to Medium Volume Manufacture
Product Lifecycle Management
Fast Turnaround Assembly
NPI (New Product Introduction)
Engineering Support
Prototyping | Preproduction
Production Set-Up
Procurement & Sourcing



“ Our ISO 13485 accredited system assures high quality medical prototypes. ”



CAPABILITIES

Fast Track Prototyping

4E specialises in the fast turnaround of prototype assemblies or short pre-production runs that need to be turned round in record time. We fully understand that there will always be those occasions when “the squeeze is on” and a rapid, reliable service is required. 4E has over 16 years experience in providing this to our clients.

PCBA, Electro-mechanical Assembly and Test

4E provides full turnkey, box build manufacturing solutions to clients ranging from PCBA only, sub assembly and final product assembly. In addition, we are able to offer functional and soak test and product encapsulation / potting using clients supplied specification.

Build to Print Manufacture

From full BOM parts procurement and the management of component obsolescence, through to the manufacture and test of your product under an ISO 13485:2016 accredited quality management system. 4E offers a full Build to Print manufacturing service you can rely on.

NPI - New Product Introduction

4E understands that launching a new product can be a challenging and intricate task. 4E supports clients NPI process providing fast prototyping, pre-production planning and seamless volume manufacturing, whilst keeping your product on time, on budget and to the highest quality. 4E’s aim with NPI is to effectively take a client’s concept or initial design and smoothly introduce it to production, eliminating any risks to the products quality, schedules, finances and end customer satisfaction.

Product Lifecycle and Logistics Management

In any product, ongoing obsolescence issues are an inevitability. When manufacturing your pre-existing product, or setting up new, 4E has the capability to deal with this situation for you. Where issues are identified, we can investigate and recommend off-the-shelf alternative options or provide circuit modifications to maximise the life of your product.

“ 4E are brilliant at understanding a brief and are very passionate and sincere about providing a good result. ”

