

About Us

Alfatron Pty Ltd is an Australian owned electronic manufacturing company located in Melbourne, Victoria since 1978. It provides quality electronic design, manufacturing and specializes in small batch prototypes. With a proven history of superior quality manufacturing combined with our highly skilled, professional and friendly service we are the perfect choice for your electronic manufacturing needs.

Why Choose Alfatron for your Electronic Assembly requirements?

- All purchasing, engineering, testing and most importantly manufacturing is performed right here in our factory in Melbourne.
- Emphasis on quality at all stages of production - from the very first meetings and parts sourcing to the manufacture, right through to packing and shipping
- ISO 9001:2015 and AS/NZS ISO 9001:2016 Accreditation with Lloyd's Register for manufacture and design
- Fast turnaround prototypes
- All employees undergoing Baseline security clearances

Services and Capabilities

Electronic Assembly

- Three SMD lines including latest Mydata MY300LX surface mount technology
- MY700JX jet printer
- Testing service available with all products including Manufacturing Defect Analysis (MDA), digital testing/boundary scan, and on-board programming
- In-Circuit Testing (ICT)
- Automatic Optical Inspection (AOI) available Electronic Design Service
- Complete Electronic Design Service
- In-house engineering department with specialists in electronic design
- Schematic design and PCB Layout using Protel and Altium software
- Experienced in both Rigid and Flexible board design
- Design for Through-hole, SMT and Multilayer boards Design for cost effective manufacture

Electro-Mechanical Assembly

- Assembly services range through to the final finished product
- Cables and connectors
- Switchgear
- Metal and plastic enclosure assembly Rework/Redesign
- Redesign and rework existing designs to add new features Testing and Programming
- Selective Soldering
- Automatic Optical Inspection
- Conformal Coating
- Ultrasonic Welding
- Low Melt Overmoulding
- Full Turn-Key Assembly