

ASSEMBLY CAPABILITY STATEMENT

Your Australian Partner for Electronics Manufacturing Excellence



About Precision

Precision Electronic Technologies is a leading Australian provider of electronics manufacturing services with over 55 years of experience. From our two facilities in Mitcham, Victoria, we deliver high-quality PCB assemblies, cable assemblies, wiring harnesses, and complete box build solutions for customers across Australia and beyond.

Our company began in 1958 as Precision Windings — one of Australia's pioneers in PCB manufacturing — and has grown into a trusted, full-service EMS partner for OEMs across multiple industries. Today, we combine local expertise with global reach, supported by our long-established Hong Kong office, which manages international supply chains and audited manufacturing partners throughout Asia. We are ISO 9001 certified and currently on track to achieve ISO 13485.

Our mission is simple: to help our customers bring products to life through quality, reliability, and intelligent manufacturing.

PCB Assembly (SMT & Through-Hole)

- Automated surface mount (SMT) lines with AOI and SPI inspection systems
- Fine-pitch, BGA, and high-density assemblies
- X-ray quality control for BGA placement
- Quad Flat Pack (QFP) down to 0.4mm pitch
- Ball Grid Array (BGA) down to 0.3mm pitch
- Components down to 0201 case size
- RoHS compliant
- Through-hole, selective soldering, and mixed technology builds
- Conformal coating line commissioned in 2025 for environmental protection and reliability
- Quick-turn prototyping and full-scale production
- IPC-A-610 trained operators ensuring workmanship consistency
- Location: 14 Redland Drive, Mitcham – Headquarters and PCB Assembly Operations

Cable & Loom Assemblies

- Custom cable assemblies, wiring harnesses, looms, and power leads
- Crimping, soldering, sleeving, and labelling to IPC-A-620 standards
- 100% electrical testing for continuity and insulation
- Low, medium, and high-volume runs
- Local and offshore manufacturing options
- Stockholding and JIT supply capabilities

Box Build & System Integration

- Dedicated 1,000 sqm mechanical and final assembly facility opened in 2025
- Integration of PCBA, cabling, and enclosures
- Functional testing, programming, labelling, and final packaging
- Product configuration management and documentation control
- Customer-specific build and test procedures
- Potting capabilities
- Location: 8 Redland Drive, Mitcham – Box Build & Mechanical Assembly Facility