



Company Overview

Coiltek Electronics is a South Australian manufacturer specialising in the contract manufacturing of custom wire-wound components and electronic assemblies. With more than 20 years of industry expertise, we are dedicated to strengthening Australian manufacturing by delivering high-quality, locally made solutions that support our customers' innovation and growth. We work in close partnership with our clients, ensuring precision, reliability, and complete satisfaction across every project. Backed by expert engineering, multi-skilled technicians, and stringent quality control processes, Coiltek Electronics provides world-class components and customised manufacturing services, proudly designed, manufactured, and quality assured in Australia.

Discriminators

Coiltek Electronics differentiates itself through a combination of specialised collaborative automation, deep technical expertise, and highly efficient manufacturing systems. Our capabilities include:

- Semi-automated wire-winding technologies
- CNC epoxy dispensing and encapsulation systems
- Collaborative automation and quality-controlled workflow integration

These technologies reduce variation, increase consistency, and streamline production from end to end. By leveraging a fully optimised workflow, we deliver rapid turnaround times, reduced lead times, and competitive pricing, without compromising on quality. Our technology-driven approach positions us as a leader in Australia's precision wire-wound and electronic assembly manufacturing sector.

Capabilities

Coiltek Electronics provides a comprehensive range of manufacturing capabilities, including: Custom wire-wound components: transformers, toroids, bonded coils, inductors, solenoids, transmitters, and specialty coils

- Electronic assembly and sub-assembly
- Prototyping, engineering collaboration, and scalable production
- ISO 9001-aligned quality assurance ensuring complete traceability and repeatability

As one of the few Australian companies specialising in precision coil winding and custom electromechanical assemblies, our expertise strengthens local supply chains and supports Australian industry through reliable, bespoke manufacturing solutions.

Certifications and Accreditations

ISO9001 Quality Management system certified

JOSCAR Registered

DISP Pathway - Progressing



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**Client: Neumann Space****Project: Satellite Propulsion System**

Australian space-tech company Neumann Space needed highly specialised inductors for their cutting-edge propulsion rocket, they turned to Coiltek Electronics. These custom-wound inductors play a critical role in the ignition trigger system - a core component responsible for launching satellites into Earth's orbit.

With such high-stakes performance requirements, the Neumann Space engineering team needed a manufacturing partner they could rely on. We worked closely with their engineers to meet strict technical parameters and ensure every part was manufactured to exacting specifications. Thanks to our team's expertise and quality assurance systems, we delivered a precision-wound solution, on time and to the highest standard.

Client: Codan**Project: Countermine Metal Detector Coils**

Coiltek is working with Codan as a contract manufacturing partner, supporting the manufacture of specialised coil assemblies for countermine metal detectors used to detect unexploded landmines and ordnance.

Coiltek's unique precision coil-winding capability and extensive experience manufacturing metal detector coils and accessories provide the technical foundation to support Codan's requirements. Our ISO 9001 quality systems, process controls, traceability and established manufacturing capability enable us to deliver consistent, high-quality custom assemblies while working collaboratively with Codan to support their Defence technology and Australian sovereign manufacturing capability.

Client: Hexagon Group**Project: BMM Transmitters**

For more than eight years, we have been the preferred manufacturer of this specialised transmitter assembly, consistently delivering over 6,000 units per month with strong DIFOT performance. Our dedicated production line and specialised machinery provide reliable, scalable output, while our flexible approach and clear communication ensure we work seamlessly with the client's procurement team allowing us to increase production rapidly during periods of heightened demand.

Our full manufacturing capability includes precision wire winding, advanced electronic assembly, epoxy encapsulation, and 100% Quality Assurance testing to meet exact customer specifications. This application required a specialised metal detector coil engineered to operate in unison with the transformer units, providing dependable, high-performance detection in demanding mining environments.

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