



# COILTEK MANUFACTURING

ABN: 97 150 548 874

# Capability Statement

12 July 2024

## INDUSTRIES SERVED

| AUTOMOTIVE | DEFENCE | MANUFACTURING | MINING |





## Company Details

**Address:** 5 Mengel Court, Salisbury South SA, 5106 Australia

**Email:** [trevor.f@coiltek.com.au](mailto:trevor.f@coiltek.com.au)

**Local Manufacturer:** Yes

**Web:** [www.coiltekelectronics.com.au](http://www.coiltekelectronics.com.au)

**Foreign Manufacturer:** No

**ICN Gateway Business ID:** 1598633

**Importer:** Yes

**Employees:** 13

**Exporter:** Yes

**ABN:** 97 150 548 874

**NT CAL Accredited:** No

**Works in Remote Locations:** No

**Australian Indigenous Owned:** No

## Contacts

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# COILTEK MANUFACTURING

For over 20 years, Coiltek have been the specialists in custom wire wound parts, including custom wound transformers, toroids, bonded coils, inductors, transmitters, solenoids, power supply windings, metal detector coil winding and other precision electro-mechanical wire winding solutions.

## Summary

Coiltek Manufacturing is renowned for its high-quality service and products.

We are a reliable and trusted manufacturer of coil winding, metal detector coils and customised wire wound components - as well as electronic assembly, contract manufacturing and 3D printing.

Coiltek have a particular specialty in the manufacture of inductors, transformers, custom wound coils, metal detector coils, toroid winding, bonded coil winding and high precision manual coil winding.

With a deep understanding of export markets and extensive experience, Coiltek currently service a range of national and international clients, including within the Defence, Mining, Medical and Space industries.

Notable clients are Codan Limited, Minelab Electronics, Thermofisher Scientific, Leica Geosystems, APC Technologies, Entech Electronics, Base2, CSIRO, Daronmont Technologies, L3Harris and Neumann Space.

## Description

For over 20 years, Coiltek have been the specialists in custom wire wound parts, including custom wound transformers, toroids, bonded coils, inductors, transmitters, solenoids, power supply windings, metal detector coil winding and other precision electro-mechanical wire winding solutions. Coiltek's ISO9001:2015 Quality Assurance Certification ensures that our products meet the necessary high standards by adhering to the rigorous systems and processes required for certification.

Coiltek's diverse capabilities and services also include PCB mounting to finished electronics projects, cable assemblies and termination options. In collaboration with your team, they

can help you achieve your desired outcomes. With onsite engineering to assist your design and technical requirements, they provide superior customer service that their clients have come to rely on. Coiltek's factory utilises numerous machines that uses automation to provide greater precision, efficiencies and productivity in the creation process.

As Adelaide's additive manufacturing service, Coiltek brings an array of 3D printing solutions for your business or project. These 3D printers managed by top engineering specialists deliver the expertise and technology to meet complex print requirements, and

# COILTEK MANUFACTURING

the right materials create high-quality, high-strength parts, products and prototypes that are cost efficient and fast to produce.

Coiltek's extensive knowledge in the export market sets them apart. With international distributors and strong established supply chain relationships, you can be assured of componentry procurement with greater ease.

Coiltek has collaborated extensively with

Minelab Electronics for over 20 years in the metal detection space, delivering high quality metal detection coils and aftermarket accessories that are co-branded between Coiltek and Minelab. Since Codan Limited purchased Minelab Electronics in 2008, Coiltek has built a strong relationship with both companies, delivering multiple aftermarket coil solutions to suit global markets and diverse consumer regions worldwide.

# COILTEK MANUFACTURING

## Industries Served

- Automotive
- Defence
- Manufacturing
- Mining

## Key Partners

- APC Technology
- ELECTROMAGNETIC IMAGING TECHNOLOGY PTY LTD
- ENTECH ELECTRONICS PTY LTD
- HENDON SEMICONDUCTORS PTY LTD
- Leica Geosystems Pty Ltd
- Minelab Electronics Pty Ltd
- SATO AUSTRALIA PTY LTD
- THERMO FISHER SCIENTIFIC AUSTRALIA PTY LTD

## Products & Services

- 3D Printing Service & 3D printing
- Markforged Printers
- Electronic Assembly Service & Contract Manufacturing Service
- Electronics
- Wire Wound Products & Coil Winding
- Mechanical Design & Assembly
- Customised Wound Components
- Electronic Assembly
- Inductors & transformers
- Custom Wound Coils & Bonded Coil Winding
- Toroid Winding
- High Precision Manual Coil Winding

## Facilities & Equipment

- Markforged 3D printers
- Epoxy dispensing / encapsulation
- UR3 robotic arm for conductive coating application
- Curing oven
- Laser engraving
- Winding machines
- Toroidal winding machine

# COILTEK MANUFACTURING

## Previous Significant Projects

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Client: Sato Vicinity Group

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Project: Toroidal Transformers and Inductors

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Year: 2024

Value: \$0

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Description: Procurement and winding of specific transformers and inductors to customer requirements. Handling multiple sizes wire types and complexities for fully automated machines designed for low-high customised wound parts.

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Client: Atrad

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Project: PCB Board Assembly for Amplifier Power Unit

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Year: 2020

Value: \$100,000

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Description: Through hole and surface mount soldering and assembly of components to a high spec PCB board. Mounting board to housing and heat sync. Final assembly and QA checks.

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Client: Thermo Fisher Scientific

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Project: Tramp Metal Detector Coils

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Year: 2015

Value: \$700,000

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Description: Manufacturing of metal detector coils to suit conveyor belt metal detection in the mine space globally including America. Part purchasing, sourcing and engineering components were all delivered in house. Assembly including, wire winding, electronic assembly, epoxy encapsulation and 100% testing were also completed.

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Client: Hexagon Group

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Project: BMM Transmitters

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Year: 2009

Value: \$10,000,000

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Description: On Going Contract:

Manufacturing of transmitter assembly including, wire winding, electronic assembly, epoxy encapsulation and 100% testing to customer requirements. Manufacturer of a custom receiver coil for use in mine sites globally.

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