

Technician

Position Description

Employment Type:	Full Time
Term:	Permanent
Group:	Engineering
Band:	Band 1 to 4, commensurate with experience and role
Location:	QuantX Labs, Lot Fourteen, Level 2 Space Lab, Frome Road, Adelaide
Reports To:	Technicians Team Lead
Direct Reports:	None

Position Overview

At QuantX Labs, you'll be an integral part of an emerging, world-leading deep-tech product company with a strong and growing pipeline of work across Space, Defence and Commercial sectors. As a small, high impact team, QuantX Labs offers the opportunity to contribute directly to significant and globally relevant products, where you make impact on sovereign capability and technologies that matters on a global stage.

You will play a hands on role in the development and delivery of next generation quantum and precision measurement products, working with cutting edge technology from concept through to product and deployment. This is a rare opportunity to collaborate closely with internationally recognised experts, and to see your efforts translated into advanced products used by global customers at the forefront of innovation.

As a Technician, you play a key role in the development and production of our QuantX products. Working within a multidisciplinary team environment, the role focuses on leading and supporting production and delivery, and collaborating with project teams for the prototype delivery of products throughout the systems lifecycle.

Duties and Responsibilities

Technician	<p>The following technical duties are expected of the role, appropriate to the employee's role seniority and experience:</p> <ul style="list-style-type: none"> • Assemble and solder electronic/electromechanical hardware including through-hole & SMD soldering, mechanical assembly and enclosure integration • Construct, terminate, and inspect wiring/cable harnesses to meet task requirements, • Perform detailed visual and mechanical inspections using workmanship/acceptance criteria to verify build quality and orientation • Select and use appropriate tools, fixtures and test equipment • Conduct electrical and RF measurements using DMMs, oscilloscopes, LCR meters, signal generators and spectrum/network analysers
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	<ul style="list-style-type: none"> • Operate automated test systems to run sequences, capture logs, interpret pass/fail, and resolve basic configuration/fixture issues • Troubleshoot systematically by reading schematics, verifying signal/power paths, isolating faults • Follow procedures and maintain traceable documentation, including accurate records and correct implementation of quality control documentation • Support commissioning, maintenance, and operations, including set-to-work, incident triage, scheduled maintenance and configuration control requirements • Support ad-hoc R&D activities by adapting test setups, iterating on prototypes, and capturing essential findings as requirements evolve • Collaborate and communicate effectively while managing workload, sharing information and meeting commitments without compromising quality
Other Assigned Duties	<ul style="list-style-type: none"> • Manage stores and parts inventory, including receiving, booking in, issuing components and maintaining accurate stock levels <ul style="list-style-type: none"> • Coordinate logistics activities • Support procurement tasks, including raising purchase requests, sourcing basic components, and liaising with suppliers • Maintain lab/workshop organisation, including tool control, bench management, equipment calibration tracking and consumables restocking • Ensure workspace housekeeping, keeping benches clean, disposing of waste correctly, and maintaining safe, tidy work areas in line with expectations • Assist with field trials or offsite work, including equipment preparation, on-site setup, test execution, data capture, and pack-down • Contribute to lab safety compliance, including checking PPE availability, monitoring hazardous materials and assisting with safety inspections • Support continuous improvement initiatives, such as identifying workflow inefficiencies, suggesting tooling improvements, or assisting in WI/SOP update • Other reasonable duties as assigned

The responsibilities as specified above may be altered in accordance with the changing requirements of the position.

Experience and Skills

Experience	<ul style="list-style-type: none"> • Working cross functionally with technical teams, including physics, software, electronics, mechanical and engineering teams, to ensure cohesive product development and integration • Interpreting and understanding technical manufacturing documentation • IPC/WHMA-A-620 Class 2 or higher • IPC-A-610 Class 2 or higher • Use of specialised hand tools • Use of various electronic test equipment • Electrostatic Discharge (ESD) awareness • Knowledge of product safety, security and assurance is desirable
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Skills	<ul style="list-style-type: none"> • Professional integrity, accountability, and attention to detail • Effectively work with appropriate autonomy, escalating issues where required • Effectively adapt to evolving product requirements, product development environments • Problem solving and decision making, balancing performance, risk, schedule and cost • Planning, work management and prioritisation of duties • Clear communication of technical concepts to both technical and non-technical stakeholders • Written skills for producing clear and concise technical documentation • Effective collaboration and knowledge sharing across teams • Commitment to quality, safety, and continuous improvement
Other	<ul style="list-style-type: none"> • Certificate III in Electronics Engineering (or equivalent experience) • Knowledge of the defence and/or space industries (desirable)