

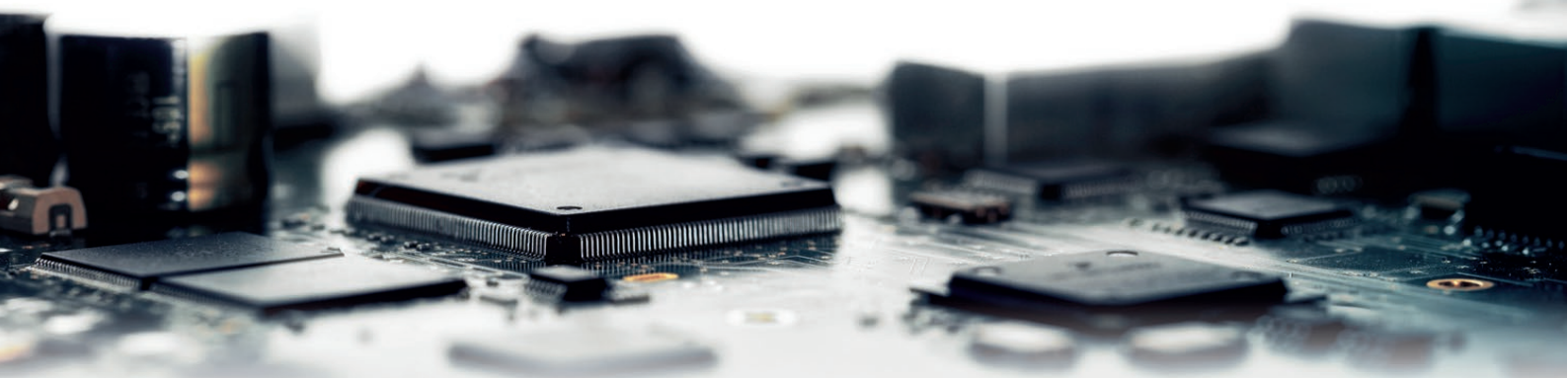
**ROSCAN**

ELECTRONICS

# Electronic Manufacturing Services

Trusted Electronics Manufacturing Partner

Built on Experience & Delivered with Precision



PCB  
Assembly



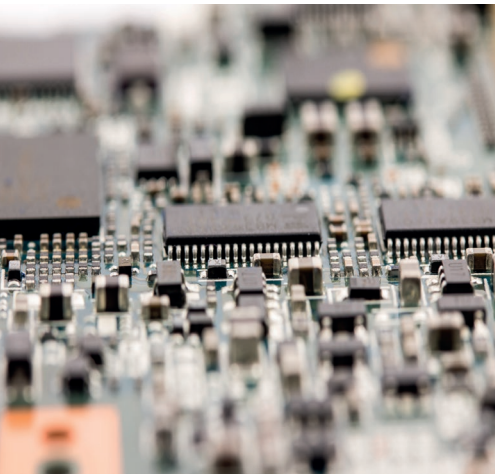
Cable & Harness  
Assembly



Box Build  
Assembly



Supply Chain  
Services



## End-to-End Electronic Manufacturing Solutions

From initial concept through to full production, Roscan provides flexible electronic manufacturing support designed to help customers move efficiently from development into reliable ongoing manufacture.

Working collaboratively throughout the process, we focus on responsiveness, communication, and dependable delivery at every stage of the product lifecycle.



## Manufacturing Capabilities

Flexible electronic manufacturing support across SMT PCB assembly, cable & harness manufacture, box build integration & functional test, engineering and supply chain management.



**PCB Assembly SMT (Surface Mount Technology) & PTH**



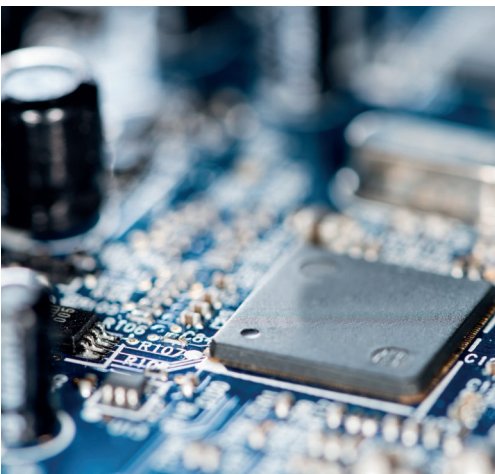
**Cable & Harness Assembly**



**Box Build Assembly & Test**



**Supply Chain Services**



## Prototype to Production

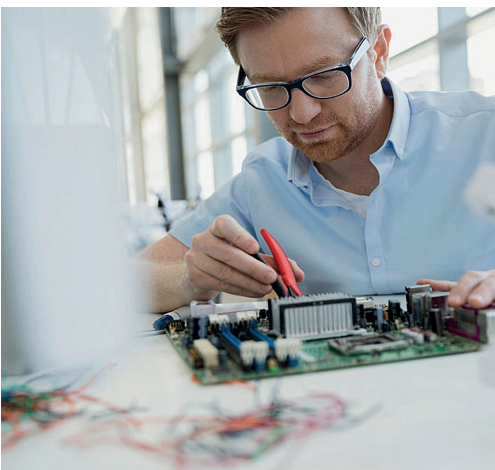
Supporting projects from early-stage development through to scalable production, helping customers transition efficiently between each phase of the manufacturing process.

## Flexible Manufacturing Support

Flexible electronic manufacturing solutions designed to support customers from initial development through to long-term production.

## Responsive Partnership

We understand that manufacturing requirements can change quickly. Our flexible and responsive approach allows us to adapt to evolving project demands, product changes, and production volumes while maintaining dependable long-term manufacturing support.



Roscan Electronics Since 1977



Built on decades of practical electronics manufacturing experience, Roscan delivers responsive support designed around long-term customer success.



# Flexible electronic manufacturing

## Manufacturing Engineering & Supply Chain

Roscan provides responsive engineering, supply chain, and materials management support designed to maintain continuity, flexibility, and dependable manufacturing delivery across the full product lifecycle.

Working closely with customers and approved suppliers, we support BOM management, procurement, inventory control, production planning, and manufacturing engineering activities including DFM analysis, DRC verification, PCB tooling support, and production data validation to help optimise manufacturability and reduce production risk.

Structured materials management processes support full component traceability, controlled handling, and production-ready kitting to ensure efficient flow through SMT, assembly, and box build operations.

Supported by a proven and established supply chain network, Roscan helps customers maintain continuity, reduce lead times, and ensure reliable long-term manufacturing performance.

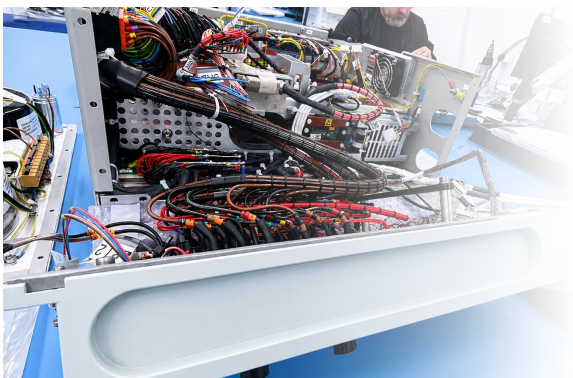
Supporting customers with greater supply chain visibility, improved production continuity, and reduced exposure to component obsolescence and global sourcing risk.

## Cable & Harness Manufacturing

Roscan provides custom cable and harness assembly solutions ranging from simple cable preparation through to complex multi-stage looms and integrated harness systems, supporting a broad range of manufacturing applications.

Working to IPC/WHMA-A-620 workmanship standards, our experienced assembly teams support complex routing, connector integration, crimping, soldering, identification, and full loom assembly using both automated and semi-automated assembly equipment to maintain consistency, repeatability, and production efficiency.

Structured assembly processes, controlled documentation, and electrical test procedures support reliable product performance, full traceability, and dependable manufacturing quality across both prototype and production volumes.



## PCBA Production SMT & Conventional PTH

Operating within a fully ESD-controlled manufacturing environment, our capability supports high-mix, low-to-medium volume production with a strong focus on quality, repeatability, and process control.

Our manufacturing process incorporates automated solder paste printing, high-speed SMT placement, AOI and X-ray inspection, supporting reliable assembly across technologies including BGA, uBGA, leadless, BTC, 0201 and mixed-technology PCB assemblies.

Utilising modern SMT equipment from industry-leading equipment manufacturers including Hanwha, ERSA, and Mirtec, we support reliable, repeatable assembly across a broad range of complex SMT technologies and package types.

Beyond automated SMT assembly, our IPC-trained technicians support critical second-stage assembly operations including PTH assembly, press-fit technology, odd-form integration, manual soldering, PCB modification, rework, inspection, and ongoing product support using advanced ERSA rework systems and specialist inspection equipment.

## Box Build, System Integration & Test

Roscan provides complete box build and system integration services supporting the assembly of electronic, electrical, and mechanical sub-systems into fully integrated finished products.

Our capability includes enclosure preparation, PCB installation, cable routing, mechanical assembly, wiring integration, and final product configuration, all built to controlled documentation and structured manufacturing processes to ensure repeatability, traceability, and compliance with customer specifications.

Functional and system-level testing is supported using both customer-supplied ATE and bespoke test solutions, validating power-up functionality, communication interfaces, firmware operation, safety interlocks, and overall system performance prior to shipment.

By combining assembly, integration, and final product testing within a controlled manufacturing environment, Roscan helps customers simplify supply chain management while supporting reliable long-term product performance.

### Contact Us

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## Who are Roscan Electronics

Roscan Electronics is a privately owned, second-generation family business built on long-term relationships, trust, and dependable service.

Since 1977, we've supported customers with responsive, flexible electronic manufacturing solutions focused on quality, stability, and clear communication.

## Built on Experience

Decades of practical manufacturing experience help us deliver reliable production, clear communication, and dependable support.

## Agile & Responsive

As an independent UK-based EMS provider, Roscan combines technical capability with the flexibility, responsiveness, and direct customer engagement often difficult to achieve within larger manufacturing organisations.

## Quality & Consistency

Structured systems, experienced teams, and controlled manufacturing processes support consistent quality, full traceability, and reliable performance across high-reliability electronic manufacturing applications.

Focused on quality, process control, and dependable delivery, Roscan provides reliable manufacturing solutions that give customers confidence in both product performance and long-term supply stability.

## Supporting UK Manufacturing

We are proud to support UK-based manufacturing, helping OEMs reduce risk, improve communication, and maintain greater control through a reliable local manufacturing partner.

By supporting localised production and supply chains, customers benefit from improved responsiveness, greater supply continuity, enhanced IP protection, and reduced exposure to global logistics and geopolitical disruptions that can impact offshore production.

## Our Story

Founded by Alan Martyn, Roscan began by supporting early defence projects through specialist wiring and test systems.

Today, the business continues under the leadership of Nathan Martyn and Lee Andrews, building on decades of manufacturing experience while maintaining the values, accountability, and customer focus that have shaped the company since 1977.

### Roscan Electronics Since 1977



Supporting customers across defence, industrial, automotive, communications, transportation, IoT, and R&D sectors with reliable electronic manufacturing solutions, built on decades of experience.

