RA
Robotic Automation®

Defence Manufacturing Automation



Australia's Trusted Automation Partner Since 1988

www.ragroup.com.au | Part of Varley Group

Robotic Automation®



Manufacturing Automation Specialists Since 1988

For almost 40 years, Robotic Automation™ has helped Australian manufacturers improve productivity, quality and operational performance through advanced automation solutions.

With more than 3,500 installations across Australia and New Zealand, we design, integrate and support turnkey robotic and automation systems for manufacturing, logistics and industrial operations.

Today, as part of Varley Group, Robotic Automation™ combines proven automation expertise with Australian engineering and manufacturing strength.

1988
Established

3500+
Installations Delivered

40 Years
Automation Experience

Turnkey
Project Delivery

National
Support Network

Varley
Manufacturing Strength



VARLEY® EXCELLENCE SINCE 1886 / CELEBRATING 140 YEARS

Stronger Together

As part of Varley Group, Robotic Automation™ combines leading automation expertise with Australian manufacturing strength to help businesses improve productivity, quality and operational performance.

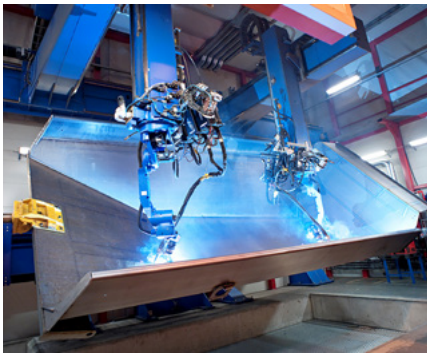
Together, we help manufacturers modernise operations, increase production capacity and strengthen sovereign manufacturing capability.

Automation Solutions for Defence Manufacturing

One Partner. Multiple Automation Technologies.

Automation solutions are most effective when they work together. Robotic Automation™ delivers integrated technologies that improve manufacturing performance from fabrication and machining through to assembly, logistics and quality assurance.

Core Capabilities



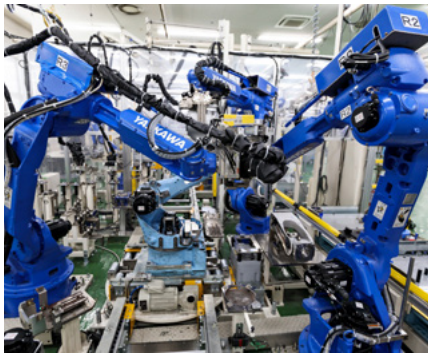
ROBOTIC WELDING

Automated welding systems for high-quality, repeatable fabrication.



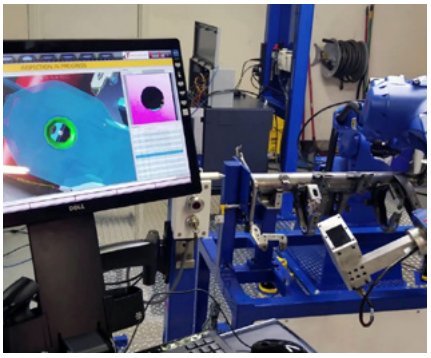
MACHINE TENDING

Robotic loading of CNC machining centres for extended production hours.



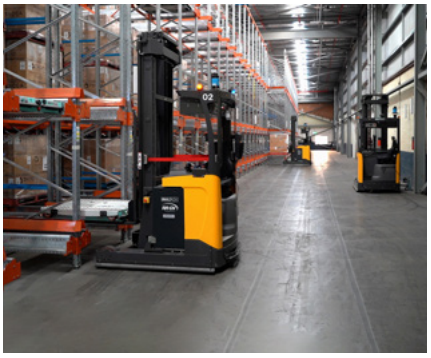
AUTOMATED ASSEMBLY

Flexible assembly systems to increase efficiency and reduce manual handling.



VISION & INSPECTION

Machine vision solutions for inspection, verification and quality assurance.



MOBILE ROBOTS

AMRs and AGVs for material movement, replenishment and warehouse automation.



MANUFACTURING INTELLIGENCE

Digital twins, simulation, analytics and AI-enabled operational visibility.

Helping Defence Manufacturers Increase Capacity, Improve Quality and Strengthen Sovereign Capability

Robotic Automation®



ROBOTIC WELDING

Robotic welding systems provide defence manufacturers with the ability to increase production capacity while maintaining consistent weld quality, repeatability and traceability across every component.

Whether fabricating vehicle structures, defence shelters, heavy assemblies or complex fabricated products, robotic welding enables manufacturers to reduce rework, improve productivity and overcome skilled labour shortages.

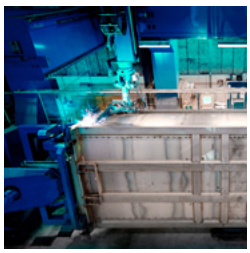
Robotic Automation™ designs, integrates and supports complete robotic welding systems including positioners, tooling, fixturing, safety systems and production monitoring.

Benefits

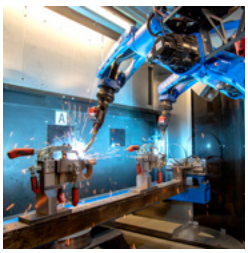
- Consistent weld quality
- Greater production throughput
- Reduced rework and scrap
- Improved weld traceability
- Enhanced workplace safety
- Improved workforce utilisation



Vehicle & Trailer Fabrication



Defence Shelters & Containers



Armoured Structure Components



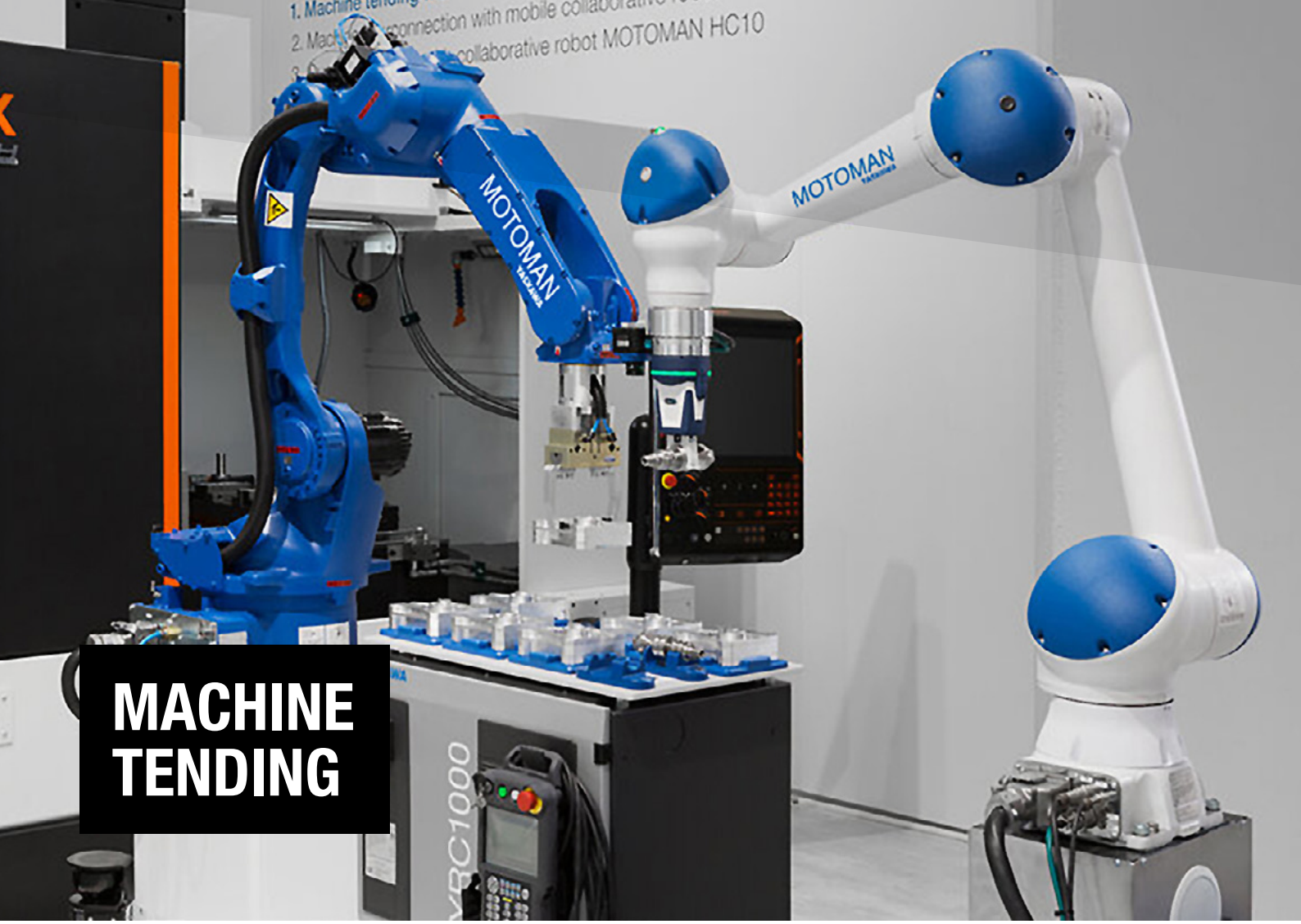
Naval & Marine Fabrication



Structural Steel Assemblies

Delivering Consistency, Quality and Throughput for Defence Manufacturing

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MACHINE TENDING

Machine Tending Capabilites

- CNC machining centres
- Turning centres
- Mill-turn operations
- Multi-machine cells
- Precision component manufacturing
- Lights-out production

Increase Equipment Utilisation Without Increasing Labour Requirements.

Turn Data Into Decisions

Transform production data into actionable insights that improve performance, reduce risk and support better decision making.

- Validate production concepts before implementation
- Monitor operations in real time
- Improve equipment utilisation
- Reduce unplanned downtime
- Identify bottlenecks and inefficiencies

MANUFACTURING INTELLIGENCE



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Robotic Automation®



MOBILE ROBOT SOLUTIONS

Optimising Factory Logistics

Efficient material movement is critical to manufacturing performance. Mobile robots ensure materials are delivered where and when they are needed, helping manufacturers improve productivity, reduce delays and support more consistent production outcomes.

Benefits

- Reduced manual transport
- Improved material flow
- Better inventory visibility
- Increased workplace safety
- Greater operational flexibility
- Scalable for future growth

Smart Material Flow

RECEIVING → WAREHOUSE → PRODUCTION → ASSEMBLY → INSPECTION → DISPATCH



Reduced delays, improved material flow and higher production efficiency.

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Automation as a Force Multiplier

Supporting Sovereign Manufacturing Capability

Australian defence manufacturers face growing pressure to increase production capacity, maintain quality standards and improve operational efficiency. Automation is helping organisations address these challenges while strengthening sovereign manufacturing capability.

Skilled Labour Availability

- Skilled labour shortages
- Growing competition for talent
- Maximising workforce productivity

Capacity Growth

- Increasing production demand
- Limited facility expansion options
- Requirement for scalable operations

Automation

Quality + Traceability

- Consistent product quality
- Reduced process variation
- Improved traceability

Safety + Risk Reduction

- Reduced manual handling
- Safer working environments
- Fewer repetitive tasks

The future of defence manufacturing combines skilled people with advanced automation to deliver greater productivity, improved quality and stronger sovereign capability.

Robotic Automation®

Trusted by Leading Australian Manufacturers

For almost four decades, Robotic Automation™ has partnered with some of Australia's most recognised manufacturers to improve productivity, quality and operational performance through advanced automation solutions.

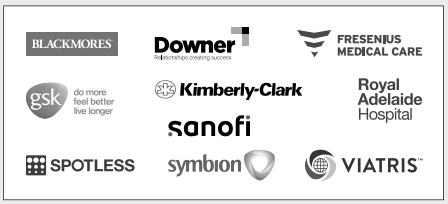
Food, Beverage and Packaging



General Manufacturing



Pharma and Healthcare



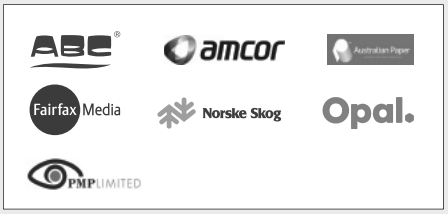
Distribution and Logistics



Education



Paper and Print



Mining



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