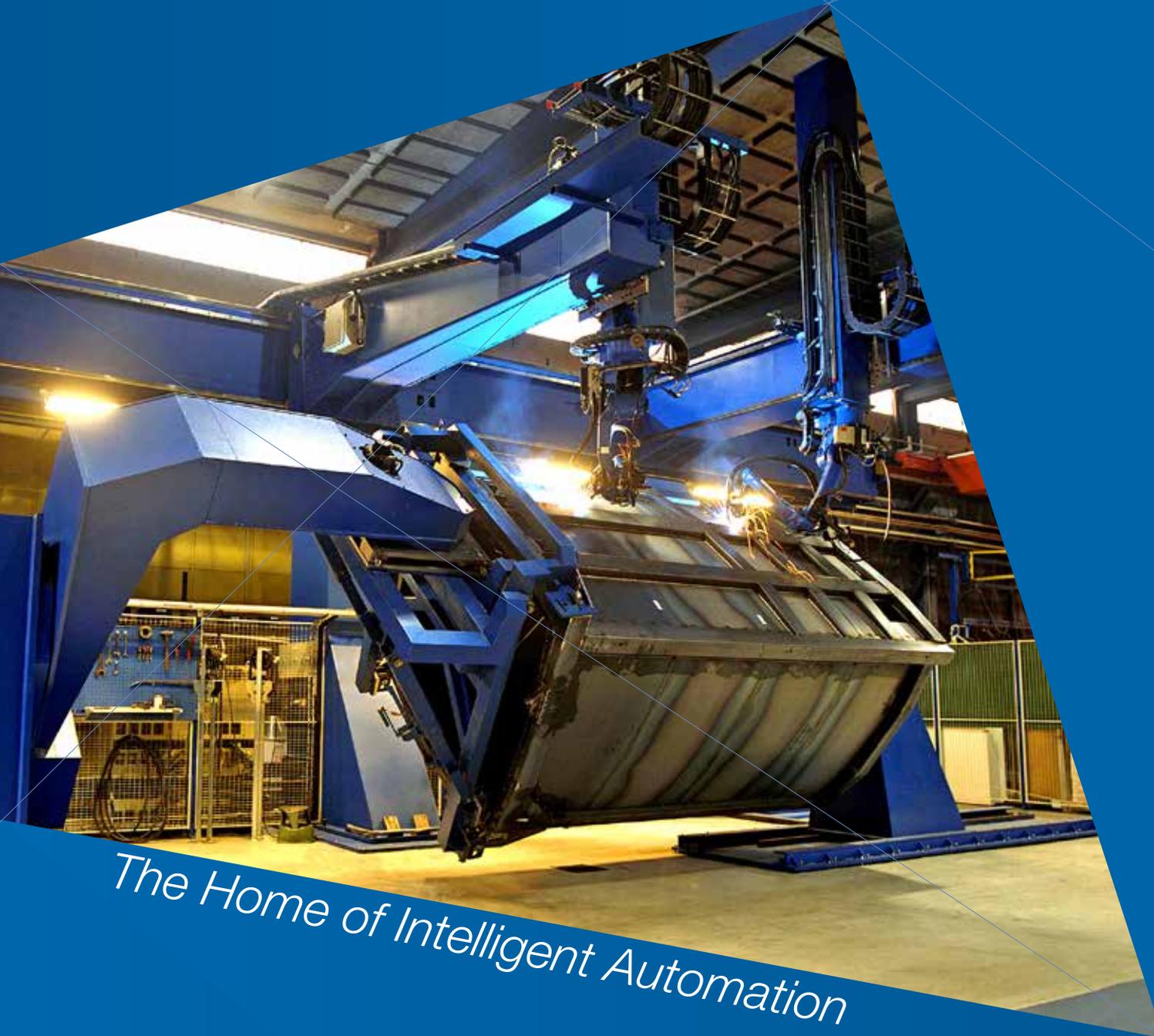




# Robotic Welding



*The Home of Intelligent Automation*

# MOTOMAN YASKAWA

Apart from being a world leader in robotic welding, MOTOMAN Yaskawa is one of the largest manufacturers of industrial robots, with more than 540,000 robots installed worldwide since 1977.

MOTOMAN Yaskawa has a worldwide reputation for superior reliability and is still highly focused on continual improvements and on-going development of all products. This brings long-lasting operation, less downtime, low maintenance costs, higher profitability and peace of mind for our customers.

RA has been an exclusive partner of MOTOMAN Yaskawa robots since 1988 with several thousand robots installed across ANZ.

## Welding Cobots

The **Weld4Me** Cobot package is an easy-to-use, collaborative robot-based MIG/MAG welding station. It offers top performance for small batch sizes and high variant diversity.

This cobot welding cell maintains a consistent and high welding quality while being easy to install.

Experience increased productivity with high welding seam standards.



### KENETIQ

#### Intuitive Direct Robot Teaching

Simply hand guide the torch through key points on the welding path and use the programming pendant to save these points.

## ArcWorld Welding Cells



Integrate Robotics into your Welding Processes and double your output with a flexible, space saving and cost-effective solution. Easy to install, operate and relocate.

### ArcWorld HS Micro

Complete with robot, controller and hinged door opening. Small footprint (1.4 m<sup>2</sup>)

### ArcWorld RS Mini

Complete with robot, controller and revolving door and table. Small footprint (2.3 m<sup>2</sup>)



Each **ArcWorld CS** cell is prepared for TIG, MIG or MAG welding, depending on requirements. The positioner variants of different types and sizes ensure high work piece flexibility.

### ArcWorld CS (Model Variant)

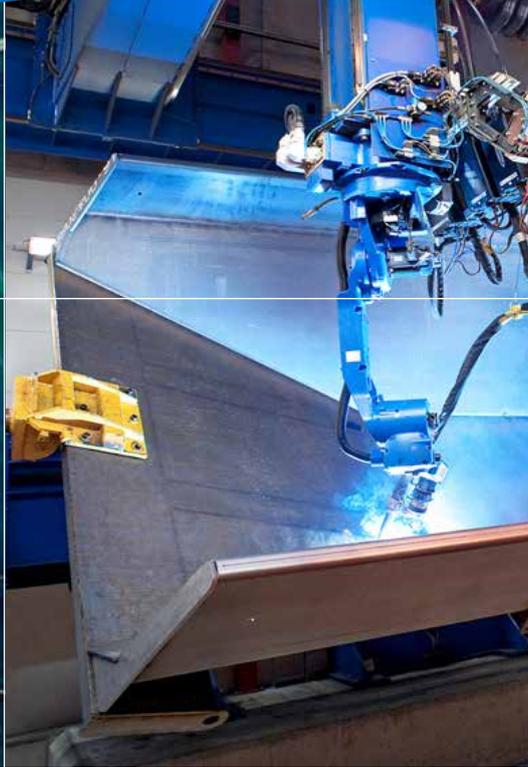
### Workpiece Size

V2-500 Y3 (L = 1300)	Ø 900 mm, width 1200 mm
V2-500 Y3 (L = 2050)	Ø 1000 mm, width 1950 mm
V2-500 Y3 (L = 2400)	Ø 1200 mm, width 2300 mm
V2TL-500	Ø 1200 mm, width 600 mm

*(Material can be loaded using an overhead crane.)*



# Application Examples:



Watch the system in action.



# Large Scale, Customised Solutions



Leveraging Yaskawa's robotics expertise, RA delivers tailored solutions with components from one source.

Yaskawa's extensive welding experience offers standard and custom workpiece positioners with precise multi-axis control, speed, and precision. This encompasses compatible Tracks and Gantries for all applications, setting RA apart as trusted advisors in system design without compromise.



View full range of Positioners, Tracks and Gantries.



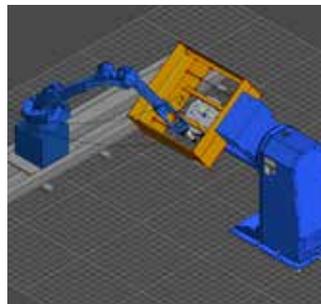
## The Latest Technology



### UNLIMITED SYNERGY

RA supplies industry-leading Synergic welding solutions adaptable to diverse materials and thicknesses.

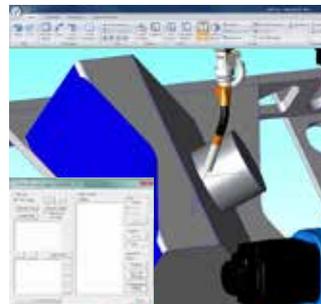
Widely employed across Australia, these solutions offer exceptional versatility and performance.



### OFFLINE PROGRAMMING

Our offline robot programming solution uses smart software to automatically generate robotic welding programs directly from CAD information.

This easy-to-use desktop application makes offline robot programming easy and has powerful tools to ensure you get high-quality welding results with minimal programming effort.



### MOTOSIM

MotoSim® is a comprehensive software package that provides accurate 3D simulation of robot cells. This powerful simulation software can be used to optimise robot and equipment placement, and to perform collision detection, reach modelling and cycle calculations. It also provides accurate off-line programming of complex systems.



### LASER SEAM TRACKING

Laser Vision enables MOTOMAN robots to precisely find and track weld joints at high speeds and in real time, even while the parts are turning on a coordinated Yaskawa positioner resulting in precise optimised, highly accurate welds.



From concept to complete turn-key delivery, and on-going tech support.

# MOTOMAN

YASKAWA

*The brand exclusivity of Yaskawa MOTOMAN and MAXAGV gives our clients immediate access to the superior tech support, spare parts and experienced technicians that others cannot.*



## *Proven reliability*

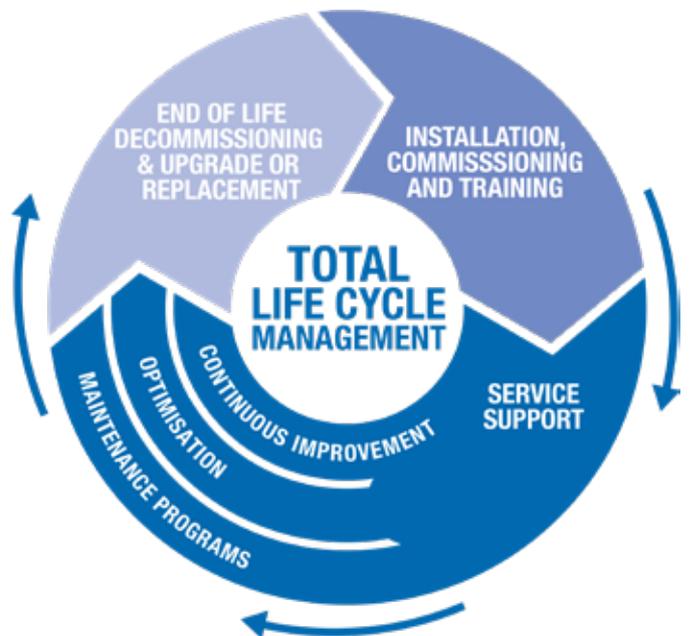
Example: A fully operational multi-robot palletiser was recently decommissioned after 25 years of continuous work, having palletised over 8 million pallets.

## Service Capabilities

Operating in Australia and New Zealand since 1988 RA have installed and continue to support over 3,600 installations across manufacturing, warehousing, welding, hospitals, testing laboratories and even banking processes.

Being an exclusive supplier of leading brands gives us the confidence to offer customised warranty packages and deliver fast and reliable service and support. RA Service has a local store of spare parts, plus a nationwide team of factory-trained service technicians.

We believe in offering total life cycle management to all commissioned systems to achieve the best optimisation and return on investment.



*Multi Award Winning Design,  
Build, Test, Installation, Commissioning  
and Support Services.*

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Thousands of businesses continue to use RA Group  
for our valuable industry experience.



Shaping the future.  
Sustainably. Together

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