

## Collaborative Robots



The Home of Intelligent Automation

# Human Collaborative Series

Highly versatile and portable, HC series Cobots are ideal for a variety of tasks.

- Machine Tending
- Material Handling
- Packaging & Palletising
- Welding
- Light Assembly

Robots continue to be used throughout extensive applications, addressing the growing global challenge of skilled labor shortages in manufacturing.

Today, robots are tasked with a variety of roles beyond simple repetitive tasks. However, small and mid-sized companies face hurdles in robot implementation due to safety requirements necessitating separate working areas.

The MOTOMAN human collaborative robot (HC10) offers an affordable, versatile, and user-friendly solution. These robots cater to customers seeking seamless automation, enabling them to work alongside humans.

The HC series, combined with RA's Australia-wide, after-sales service and support ensures continuous, efficient and reliable robot operation.



## 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.



HC10DTP Classic	HC10DTP	HC10DTPF
<ul style="list-style-type: none"> <li>• 10kg payload</li> <li>• Direct Teaching</li> </ul>	<ul style="list-style-type: none"> <li>• 10kg payload</li> <li>• Direct Teaching</li> <li>• Food grade grease</li> <li>• IP67 protection</li> <li>• Welding model available</li> </ul>	<ul style="list-style-type: none"> <li>• 10kg payload</li> <li>• Direct Teaching</li> <li>• Food grade grease</li> <li>• IP67 protection</li> <li>• Powder coated</li> </ul>

HC20DTP	HC20SDTP	HC30PL
<ul style="list-style-type: none"> <li>• 20kg payload</li> <li>• Direct Teaching</li> <li>• Food grade grease</li> <li>• IP67 protection</li> </ul>	<ul style="list-style-type: none"> <li>• 20kg payload</li> <li>• Direct Teaching</li> <li>• Food grade grease</li> <li>• IP67 protection</li> <li>• Short-arm variant</li> </ul>	<ul style="list-style-type: none"> <li>• 30kg payload</li> <li>• Axis limitation</li> <li>• Direct Teaching</li> <li>• Food grade grease</li> <li>• IP67 protection</li> </ul>



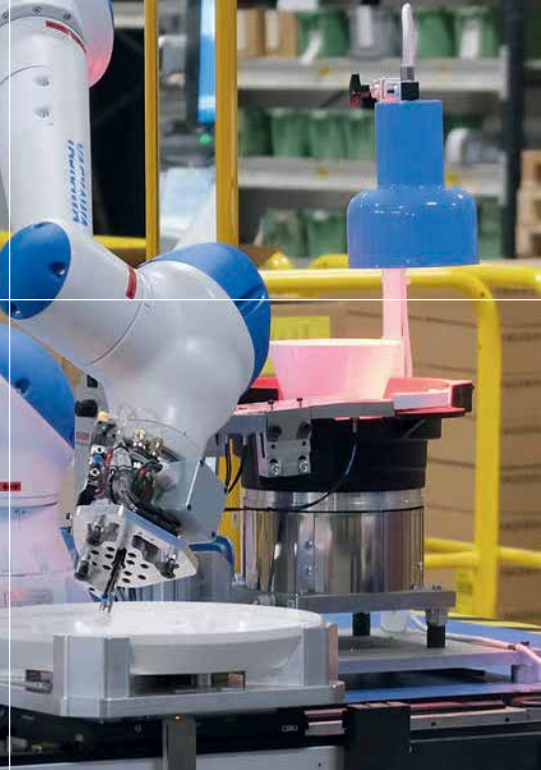
24hr Service available

Watch the HC30PL in action.





# Application Examples:





## Easy to Teach

### DIRECT TEACHING (DT)

This intuitive programming method is the perfect entry into programming. Simply move the robot flange by hand, record the motion points and operate the gripper actuation by pressing the respective DT buttons. Code is automatically generated on your pendant.



### SMART PENDANT

The 10-inch touchscreen is operated like a smartphone with blend in sidebar, large intuitive buttons and split screen mode

Seamless direct teaching integration makes programming with collaborative robots very user-friendly.



## Welding Cobot

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.



Watch the Weld4Me Cobot in action.



## Intuitive Technology



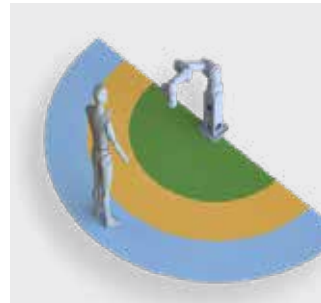
### FAST LEARNING

Application wizards are designed to simplify the steps and decisions you need to make in order to have a working robot program. It's as simple as hand guiding the robot to a sequence of positions, recording and playing back the sequence.



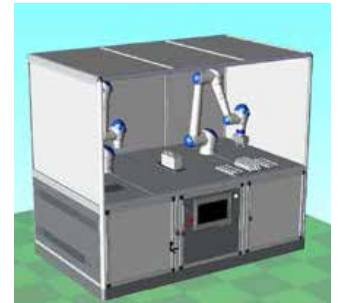
### SAFE OPERATION

The MOTOMAN HC series utilises 25 safety functions to keep your operator safe. Particular attention was paid to the sensor technology in each joint for increased sensitivity.



### PROXIMITY SENSORS

Our hybrid robots react to the present situation by adjusting their operating speed. HC robots detect the proximity to the operator and adjust their speed accordingly. This hybrid operation concept provides your application maximal profitability while not compromising occupational safety.



### OFFLINE SIMULATION

Offline programming, 3D simulation and Virtual Robot Control all make it easy to build and simulate a robotic cell prior to installation. Yaskawa provides MotoSim EG-VRC and MotoSize for building and simulating your robot cell.

# 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*

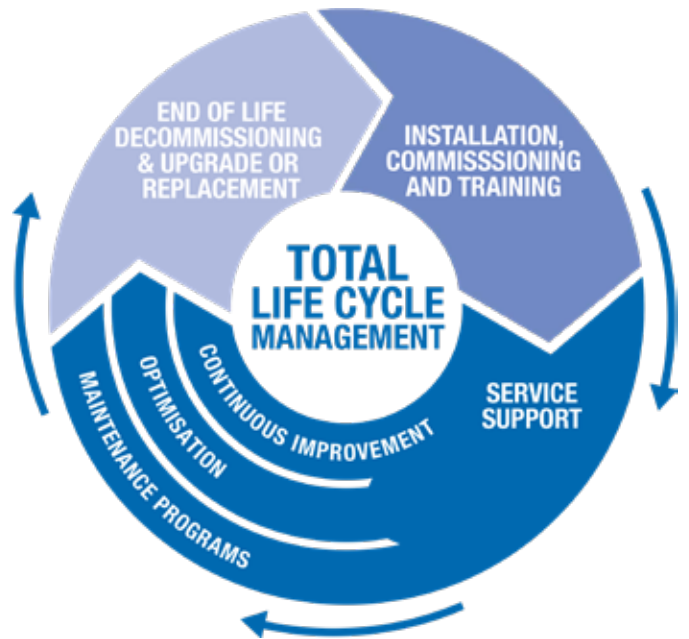
Example: A fully operational multi-robot palletiser was recently decommissioned after 25 years of continuous work, having palletised over 8 million pallets.

## 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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