

About OLPR

- Tailored Collaborative & Industrial robot integration
- Welding & thermal spray expertise
- Services and support nation-wide
- Design, Integration and Training
- Offline Robot Programming
- Process Analysis & Feasibility Assessment



BAE SYSTEMS

RCR Mining Technologies

MOGAS
SURFACE TECHNOLOGIES

AUSTAL

Burness BLA

GOVERNMENT OF
WESTERN AUSTRALIA

TAFE WA
South Metropolitan

Score Group

WINDOWS WEST

HEATLIE
BARBECUES

TIZZONE

ALLSHIP
ENGINEERING

ACADEMY
SHEET METAL
LASER CUTTING

SOUTH COAST
welding & fabrication
CUSTOMISING STEEL TO YOUR REQUIREMENTS

HANLON
INDUSTRIES

Key Partners

UNIVERSAL ROBOTS
System Integrator

Robotmaster
CAD/CAM FOR ROBOTS

demmeler
AUSTRALIA
MODULAR FIXTURING

Affiliations

HENDERSON
ALLIANCE

JOSCAR-AU
REGISTERED

ODIS
Office of Defence
Industry Support

Weld Australia

Technical Features

- Leading edge turnkey systems (GMAW / GTAW)
 - Full range of materials and thicknesses
 - 0.9-1.6mm wire diameter
 - Positional welding
- In-built safety features (no safety cell required)
- Live weld seam-tracking capability (excl. aluminium)
- Fast programming for multilayer welding
- Flexible and versatile configuration
- Small footprint and mobile system
- Remote access for fast technical support
- On-torch fume extraction
- Compatible with any welding power source

Impact on Operations

- Alleviate technical skills shortages
- Increase welder productivity
 - one welder can monitor several cobots or undertake other tasks whilst the cobot is welding
- Consistent quality and reduced rework
- Get into production on day 1
- Easy to learn - reduced barrier to entry
- Fast programming time
- Fast ROI - less than 12 months
- Suitable for low batch quantities
- Improved EHS for operators



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SOLVING THE WELDER SHORTAGE WITH COBOTS »»»

Australia does not have the sovereign manufacturing capability to deliver on critical government projects in renewable energy, defence, rail and infrastructure

60% of Australian welding businesses cite labour shortages as most likely to inhibit their growth

50% of Australian welding workshops are operating at **80%** capacity or below (compared to past performance)



Weld Australia predicts a shortage of **70,000** welders by 2030

The American Welding Society predicts a shortage of **360,000** welders by 2027



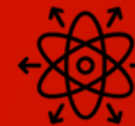
Increase capacity

- Increase output from a single operator
- Improve quality and consistency



Ease of Use

- Training to production within 1 day
- No programming skills required
- Suitable for low batch quantities
- Reduce operator reliance



Flexible Deployment

- Versatile setup configurations
- Repositionable
- Expand or adapt as required



Fast Return on Investment

- Lower capital costs
- Fast operational implementation

Data Source: Weld Australia 2023 Member Report



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