

# William the Welder

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## OBJECTIVE

I currently work as a welding cobot at an engineering workshop but am looking to upskill your work force and increase your productivity.

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## PERSONAL STATEMENT

I have the ability to process welded components three to four times faster than humans by operating continuously. I am dedicated to my role and take real pride in the quality and consistency of my work. I can weld in any position and love the dull, dirty, and dangerous jobs.

I can calculate my return on investment for you and prepare a feasibility study on the savings I can bring to your business.

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## WORK HISTORY

<b>Te-Pari Products</b> Otago January 2006-Present	<b>Senior Robot Welder</b> <ul style="list-style-type: none"><li>• Lead a team of 5 welding robots manufacturing cattle yards and sheep handling equipment.</li><li>• Overall responsibility for all welding robot projects on shop floor.</li></ul>
<b>Furnware</b> Hawke's Bay August 2002-Present	<b>Robotic Welder</b> <ul style="list-style-type: none"><li>• I work with my colleagues, Duncan, Shirley and Jessica manufacturing furniture for schools, offices and learning spaces.</li><li>• You can see my work colleague, Duncan, working here: <a href="https://autoline.nz/our-work/case-studies/arc-welding-cell-with-2-position-turn-table/">https://autoline.nz/our-work/case-studies/arc-welding-cell-with-2-position-turn-table/</a></li></ul>
<b>Design Production</b> Auckland July 2018-Present	<b>Lead Robotic Welder</b> <ul style="list-style-type: none"><li>• Design, fabrication, and manufacturing services such as architectural metal work and steel structures.</li><li>• Click here to see me at work: <a href="https://autoline.nz/our-work/case-studies/arc-welding-cell/">https://autoline.nz/our-work/case-studies/arc-welding-cell/</a>, I also have another colleague.</li></ul>

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## QUALIFICATIONS

### OTC Daihen JAPAN

Master's Degree in Robotic Welding

### Doosan Robotics Korea

Bachelor's Degree with Honours in Cobot Applications

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## TECHNICAL SKILLS

- Experienced and novice welders can programme me to achieve outstanding quality, consistency, and efficiency by simply hand guiding the robot arm using the Doosan cockpit.
- Certified welding capabilities.
- Adaptable for multiple tasks within the workshop e.g. CNC machine tending.
- Mobile base so I can work anywhere in the workshop.

## PERSONAL SKILLS

- **Increase Productivity** – I have the ability to weld three to four times faster than humans.
  - **Consistent and Repeatability** – I can perform the same quality of work 24 hours a day, 7 days a week, no lunch breaks, no annual leave, or sick days.
  - **Flexibility** – I am flexible for small or large production runs.
  - **Safety** – I am certified to PL e, Cat 4 for my control system to protect my human colleagues.
  - **Quality** – I achieve superior quality by ensuring the correct welding angle, speed, and distance with a repeatability of accuracy of +/- 0.4mm.
  - **Labour** – With a shortage of skilled workers, I can help to overcome this issue. Whilst manual welders are still required for jobs which have a high degree of customisation, I can alleviate issues in busy times by reducing additional hours and the need to hire and train extra staff.
  - **Reduced Consumables** – I am always programmed to weld the correct length and size of the joint requirement, providing significant saving over time on consumables.
  - **Reduced Production Costs** – Through improvements in quality, consistency, and productivity I can deliver parts at a reduced cost.
  - **Increased Competitive Advantage** – I can set your company apart from your competition by allowing for fast completion and delivery of products whilst ensuring consistent quality.
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## ACHIEVEMENTS

- Autoline Automation Product of the Year Award 2021.
  - The world's best arc welding robot award from OTC Daihen.
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## INTERESTS

- I am interested in increasing your productivity and profitability.
  - I enjoy doing dangerous, dull, dirty, and repetitive jobs every day.
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## REFEREES

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**Further references available on request.**

View on our website here:

<https://autoline.nz/products/robotic-automation/robot-brands/doosan-collaborative-robots/autocoweld/>

View on our YouTube Channel:

<https://www.youtube.com/channel/UCmz0eoGrLqYPu7Tby-StbZw>

# COBOT WELDER

**DOOSAN**



**YOUR PARTNER IN WELDING, DELIVERING  
INDUSTRIAL THROUGHPUT AND QUALITY.**

- Doosan Model Collaborative Robot and Controller and OTC Daihen Welding Hardware.
- Simply hand guide the robot arm for programming using the Doosan Cockpit.
- Ability to adjust weld parameters and speed during the welding process using the handheld Doosan teach pendant.
- Advanced motion control allows smooth transitions between curved and straight paths.
- Welder interface with multiple welder brands, including but not limited to OTC Daihen, Kempii and Fronius.
- Various end of arm tooling options to suit your application with the OnRobot Quick Changer.
- Weld up to 2600mm in a straight line with the 1700mm reach model.
- Accommodates high-mix, low-volume production.
- Recommended Doosan Robot Models: A0912, M1013, or H2017.
- Compatible with all power supplies across the Welbee range from OTC Daihen.
- Weld spatter cover available for the forearm of the cobot.
- Easy to maneuver and relocate around workshops.



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# COBOT WELDER

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HARDWARE BY AUTOLINE.**

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