



DOOSAN

THE COBOT WELD MATE 355

COLLABORATIVE ROBOT WELDING CELL

Diverseco, in partnership with Doosan, offers a range of collaborative robots, including the robust Doosan model M1013, which features a 10 kg payload, 1.3m reach, six force torque sensors, and high repeatability (+/-0.05mm). This model is the standard for the WeldMate 355, a collaborative robot designed for welding tasks.

The WeldMate 355, developed by Diverseco and Doosan Robotics, aims to address skilled welder shortage by working alongside existing welding staff to boost their productivity and job satisfaction. Designed for flexibility, it is particularly suited for high-mix, short-run welding applications and promises a quick return on investment with increased usage.

DOOSAN M-SERIES COBOTS

Ability to weld components behind jiggling table. Available in 2 models:

M1013 model	M0617 model
10kg payload	6 kg payload
1300mm reach	1700mm reach

EWM PHOENIX 355 WELDER

Fully integrated weld set with water cooled option available

SELF-CONFIGURABLE TOOLS AND CLAMPS

JIGGING TABLE

1050mm x 1300mm with multi-purpose tools and clamps

ENCLOSED POWER SOURCE

Protected and easily accessible through side panel



FULLY MOBILE CAPABILITY

FEATURES AND BENEFITS

- Rapid deploy welding offsider in support of existing welders – complete self-contained welding machine.
- Ideal for high-mix low-volume metal fabrication work – copy & paste saved weld programs.
- Collaborative: designed to work with humans - no cages or barriers required.
- Address the welding trades shortage – improves capacity & conditions for skilled tradespersons.
- Easy to use – user intuitive teaching pendant – no programming knowledge needed.
- Enhances productivity & quality – works 7 days, multiple shifts.
- Materials: Ideal for mild steel, stainless steel, aluminium.
- Welding processes: Standard MIG/MAG, Pulse, Root Arc, Force Arc.



The WeldMate 355 offers the advantage of an intuitive teaching pendant, making it easy to use. Designed specifically for welding, the Cobot comes with pre-defined welding functions and welding blocks. Each welding project and individual welding program can be stored for future use, enabling efficient repeat operations.

Built for flexibility and versatility, the WeldMate 355 can be easily guided by hand, allowing the welder to lead the robot through each step of the welding process.

Diverseco proudly supports Weld Australia and partners with BOC Gases for welding equipment, gases, consumables, and services. Additionally, Diverseco also collaborates with Outsource Institute to offer CERT IV level qualifications in robotic welding programming, teaching, and operations for the Australian industry.



Left: Doosan M1013 with machine welding torch

Above: EWM Phoenix 355 Progress Plus Multi-process Welder



Above: Doosan Cobot Teaching Pendant

For over 30 years, Diverseco has transformed customer operations with innovative robotic technologies. Our comprehensive products and services empower Australian companies to harness growth. As a leading industry authority, Diverseco helps their customers deliver business excellence through weighing, automation, and service solutions.

OUR PARTNERS IN WELDING

