

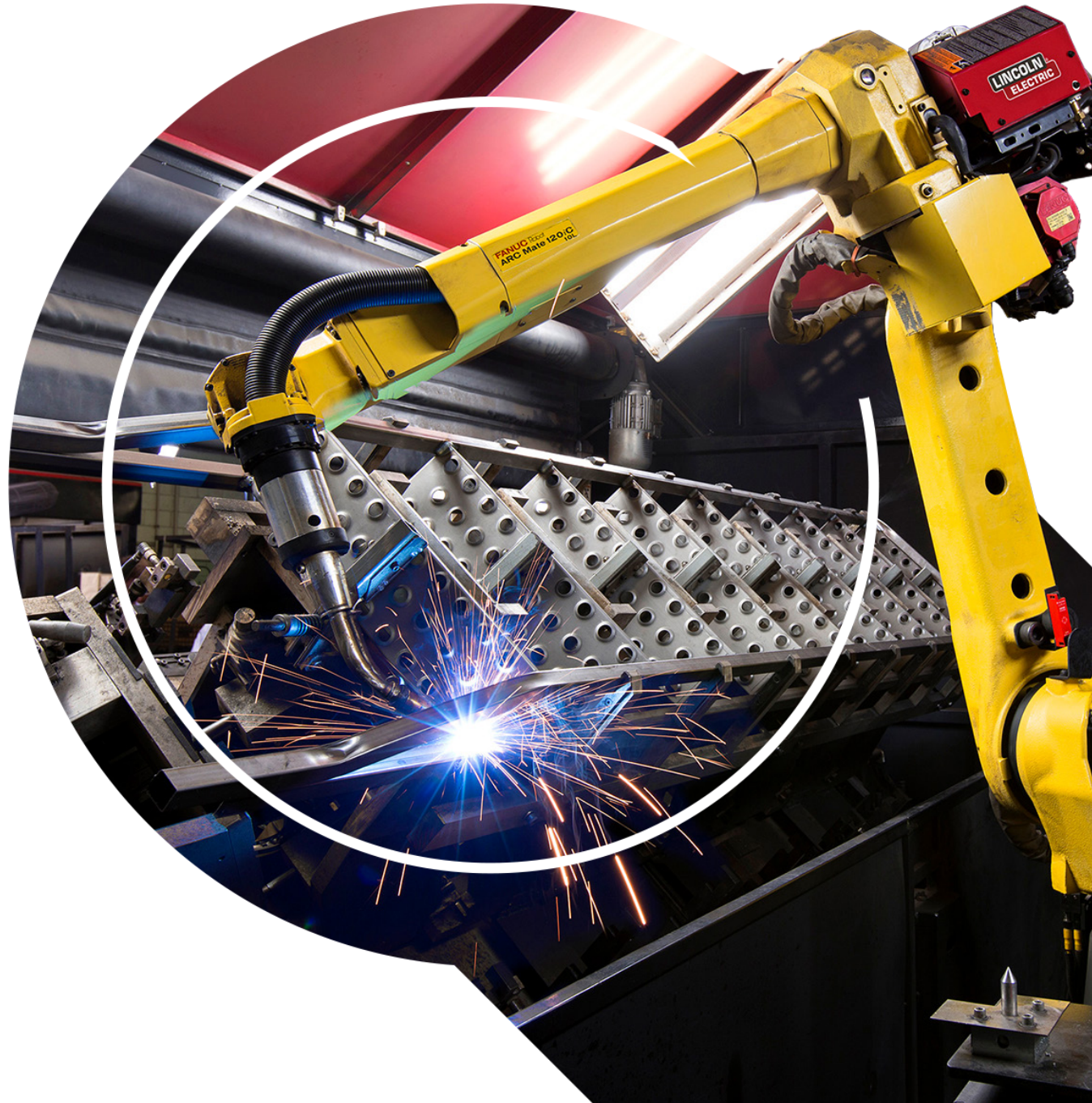


ROBOTIC AUTOMATION, MADE EASY

Remove the skill barrier, time
and effort associated with
robot programming.

QUICK INFO PACK

www.verbotics.com



INDUSTRIAL ROBOTS ARE A GREAT TOOL FOR WELDING AUTOMATION

They are fast, repeatable, and flexible, but conventional programming is costly and time-consuming. This makes industrial robots uneconomical for many tasks, particularly in the manufacture of low volume or customised products. Verbotics solves this problem with smart software to automatically generate robotic welding programs directly from CAD information.

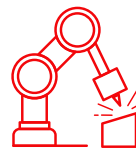
Our intelligent algorithms take the time and effort out of robot programming so your robots spend more time welding – even in very low volume production environments.



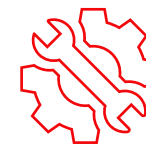
No programming expertise required



Reduced cost, high productivity



Robot arc time = 3-4x speed of human



Access to the low volume welding market

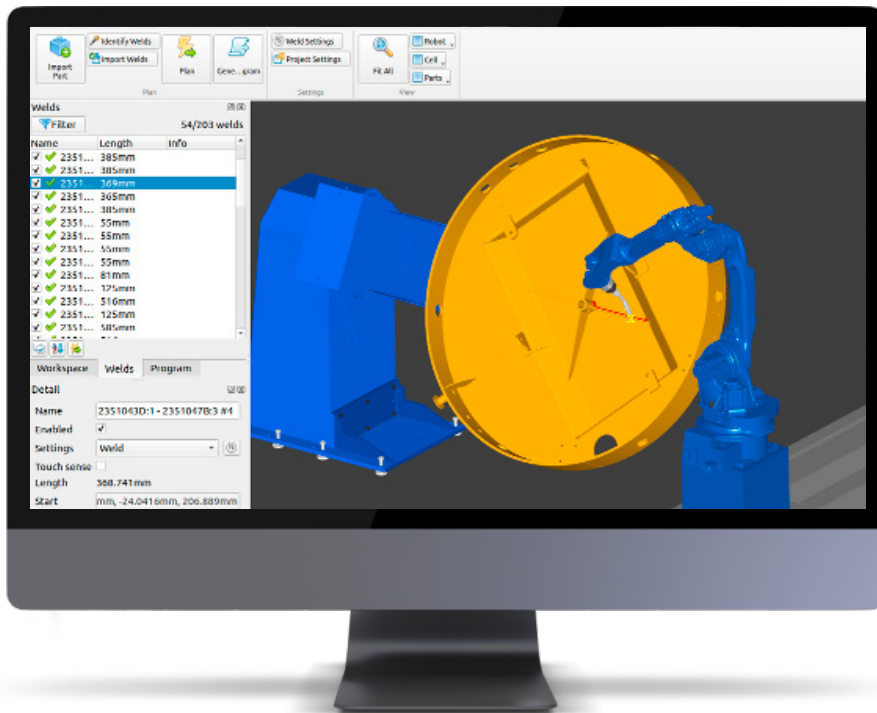


Ready-to-Run

VERBOTICS WELD

Powerful Robot Programming Made Simple

Our unique welding software application with key features designed to **minimise time and effort in programming your welding robot**. Verbotics Weld is easy-to-use but produces powerful results, meaning you spend more time welding and less time programming.



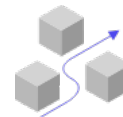
1. Import

Import your part from CAD.



2. Identify

Automatically identify all weld paths.



3. Plan

Automatically plan all robot motions and calibration.



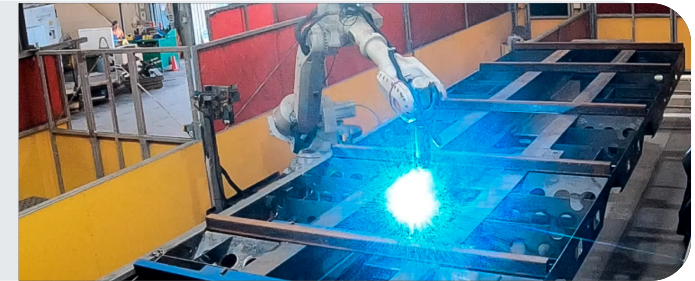
4. Weld

Simulate or export robot welding code.



TIDD ROSS TODD LTD (TRT)

Is a leading design and manufacturing company producing components for the road transport and construction industry.



LOCATION: New Zealand
YEAR: 2019
APPLIC: Road Transport and Construction
SOLUTION: Verbotics Weld

CLIENT ISSUES

The main issues were the expertise and time required to program the robot. Their target was to program it in-house and utilise all parts on the robot – not just those in high volume. Many of the larger parts are one-offs, as TRT customises solutions for their customers.

SOLUTION

Verbotics generates all the robot welding programs for this system. The weld identification feature allowed welds to be created in their models without modification, and the automatic path planning quickly solved all the motions for their complex assemblies. Automatic collision avoidance and the generation of weld seam finding actions meant programs were ready to run straight from Verbotics.

RESULTS

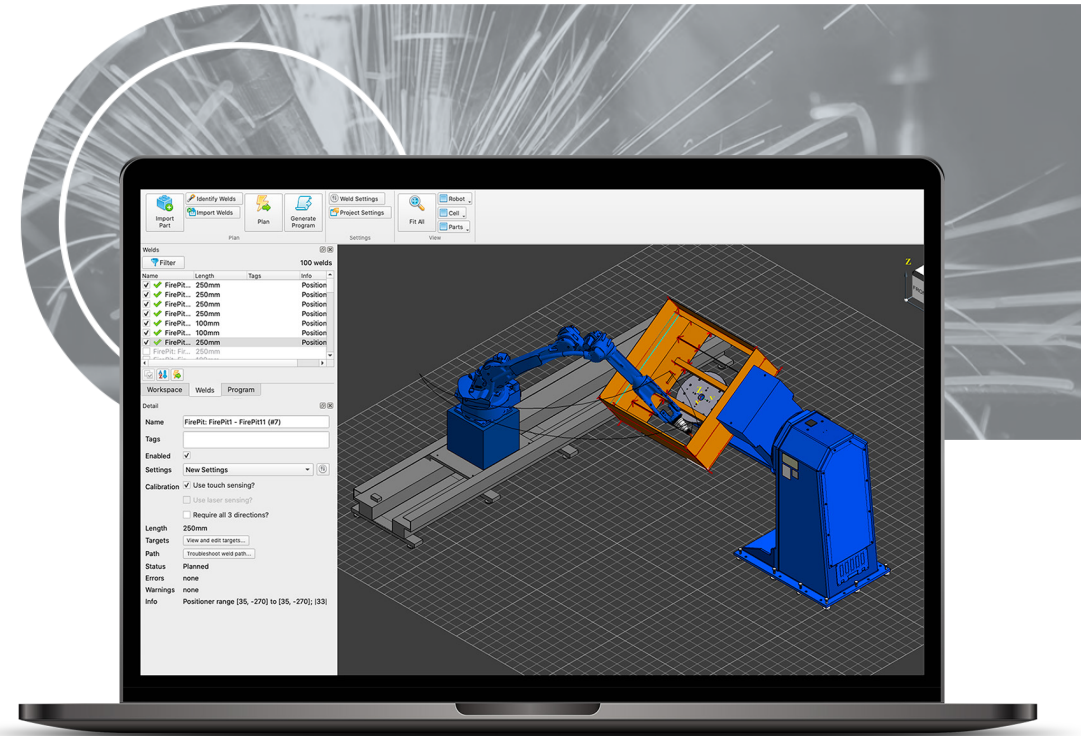
With Verbotics programs ready to run, TRT utilised the automatic sensing feature to ensure that welds were placed in the correct location without additional touch-ups or online program edits. We have the confidence in the programs and motions produced by Verbotics Weld to run unassisted. The next challenge for Verbotics and TRT is to have the robot run overnight unassisted. We are working together to have the robot recover from errors automatically and continue if a fault is detected.

ROBOT PROGRAMMING FOR WELDING APPLICATIONS HAS NEVER BEEN THIS EASY.

Capture the low-volume/customised welding market, with Verbotics' industry leading software. With Verbotics Weld, your clients can:

- Automatically generate robotic welding programs directly from CAD
- Remove the manual time, effort and expertise required with manual programming
- Produce repeatable and highly customisable welding programs that will revolutionise the speed and efficiency of their operations

With Verbotics, you're always one step ahead of the competition.



Supported Robots



GET IN TOUCH WITH US AND SEE HOW WE CAN HELP YOU!



WEBSITE

www.verbotics.com



EMAIL

info@verbotics.com



ADDRESS

iAccelerate Centre (239)
Innovation Campus, Squires Way,
North Wollongong, NSW 2500, AU



LINKEDIN



FACEBOOK



YOUTUBE