

WeldPro™ – Offline Robot Programming

Course Duration

The duration is 2 days
Frequency of course taught on an as-requested basis

Course Description

WeldPro™ is FANUC® Robotics' plug-in to the RoboGuide off-line programming tool, allowing users to simulate a robotic arc welding process in 3-D space. Driven exclusively by a FANUC® Robotics Virtual Robot Controller, WeldPro™ is empowered with the most accurate program teaching tools and cycle time information available in any simulation package.

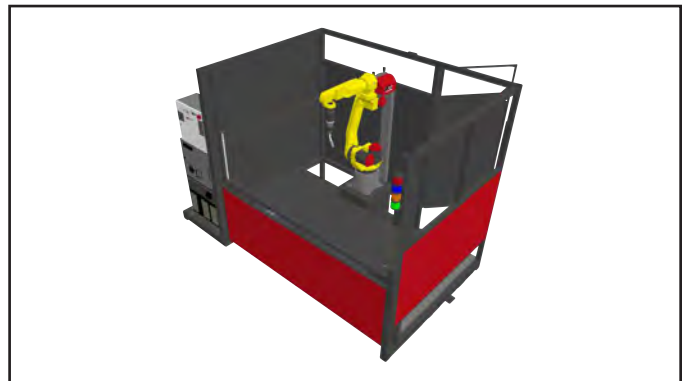
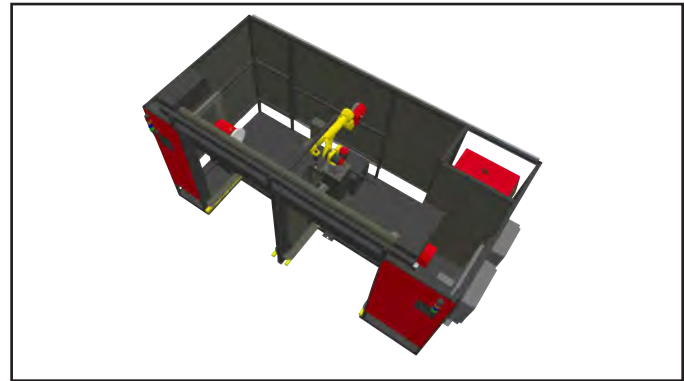
A user can easily navigate through WeldPro™ to create complete workcells by importing actual tooling and workpiece CAD files. Anyone familiar with programming a FANUC® robot will be able to easily create new weld paths with proper torch angles and process parameters. All programs and settings from the virtual workcell can be transferred to the real robot to decrease installation time.

Prerequisites

The person attending must have completed the Lincoln Automation Basic Robotic Programming and System Training Course.

Main Topics

- Software Introduction - Getting started with WeldPro™
RoboGuide Features
- Creating Workcells
Using the Workcell Creation Wizard
- The Cell Browser
- End of Arm Tooling
- Using the Navigation
Zooming, Panning and rotating the view
- Jogging the Robot
- Using the Move to Quick bar
Move To Retry Function
- Adding Objects using the Cell Browser
Selecting Objects
Using the Objects Property Page
- Working with Fixtures
- Working With Parts
Creating a Robot Program
- Automatic Path Generation (CAD to Path)
Using Features and Segments
- Running a Program
- Using the Virtual Teach Pendant



- Workcell Calibration
- Building a Positioner
Building an Aux Axis
Programming a Positioner
- Defining Coordinated Pairs
Procedure to Use Actual Robot Data
- Using the FANUC® License Manager
- Setting Weld Angles
- Programming Circles

Any Questions?

Contact our Automation Service School Coordinator at:
(888) 935-3878

