

S4 & S4C & S4C Plus Programming with Orbit manipulators

Course Outline

Duration 2 days

Beneficial to programmers, operators and maintenance staff

Completion of the S4 Programming & Operation for Mag welding course

Subject areas

Safety Instructions

Safe working practices when operating welding robots

Coordination Theory

Overview of coordinated motion

Rotational Baseframes and work objects

Jogging

Robot

External axis

Calibration

Tool Data Definition BullsEye or manual calibration method

External axis base frame definition

Work Object definition and activation

Programming Practice

Coordinated pipe fillet weld

Edit weld parameters

Modify programmed positions

Objectives

On completion, participants will be able to perform:

- Safe robot operation
- Program the S4 Robot to coordinate with an orbit positioner