

UK R565 S4 and IRC5 MAG Process and ArcWare

Course Outline

Duration 2 days

Beneficial to programmers, operators and maintenance staff

Students must have attended either, the S4 or IRC5, Operator Course or have a thorough working knowledge of the topics covered.

Subject areas

Safety Instructions

Safe working practices when operating a welding robot

MAG welding process

Short circuit, spray, pulse, rapid arc and, CMT

Optimum weld settings

Synergic and non-synergic settings

Approach angles, Weld geometry.

Weld quality and fault recognition

ArcWare

Welding Instructions, Arc L and Arc C

Seam, Weld and Weave data

Practice programming and editing

Programming Schedules (if using ABB power source)

Schedule Manager and creating and editing Schedule Data

Tool Calibration

Tool data theory and definition methods

Operate BullsEye (if used)

Operate Torch Service Centre, cleaning / wire cutting (if used)

Objectives

On completion, participants will be able to perform:

- Setting up of equipment and welding parameters
- Program and operate weld Instructions
- Recognition and correction of weld defects
- Bullseye and torch service operation