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