



PROGRAMMING COURSE

Course title : B1 Fanuc Custom Macro B

Course length : 2 days

Course cost : £400.00 (+ VAT)

Day 1

Start Time

Finish Time

Introduction.
 Usage of Macro Function & Data Requirements.
 M98~M99 Sub Program Call & Use.
 Macro call statements.
 G65 , G66 & G67 including "G", "T", & "M" Code.
 Program Protection & Display and Parameter adjustments.
 Variables.
 Local Variables (1~33).
 Common Variables (100~530).
 System Variables (1000~20000), ie: Tool Offsets, Work Offsets, Alarm Generation.
 Clock Timers, Function Suppression. Function Inhibit. Modal & Positional information.
 Arithmetic and Trigonometric Functions.
 Definition, Addition, Subtraction, Multiplication, Division.
 Sine, Co-Sine, Tangent, Arctangent, Square-root, Absolute Values.
 Examples of Use.

9:30 AM

5:00 PM

Day 2: Tuesday

Start Time

Finish Time

Conversion BCN to BIN, & BIN to BCN.
 Discard Fractions, Raising Up Fractions (Rounding Off).
 Combination of Arithmetic calculations, Modification of Arithmetic sequences.
 Control Commands & Branching.
 Conditional expressions, Conditional & Unconditional Diversions, Iteration.
 Custom Macro Body.
 Creation & Examples.
 Making your own canned cycles using Custom Macro B.
 System Alarms.
 Parameters related to the Use of Custom Macro Alarms.
 Output of Data through RS232.
 Using Dprint, Bprint statements.
 Program Input & Output through RS232C. Baud Rate Setting, Stop Bits etc.
 Data Backup for Control Settings (Maintenance only).
 Examples of Use.
 Questions.

9:00 AM

4:00 PM

NB: Machine availability for use on examples will vary and will be advised upon on the day.