

## INTRODUCTION TO CNC MACHINING



**Cost:**

£150

**Level:**

N/A

**Duration:**

6:00pm-8:30pm (Over five 2.5 hour sessions)

**Entry requirements:**

None required.

**Overview:**

CNC is the automation of machine tools that are operated by precisely programmed commands encoded on a storage medium.

Understand and operate a multi axis machine tool. Including the manufacture of a small component.

What is CNC machining?

- H&S risks around a machine tool
- Basic M/C Maintenance, coolant care, 5S
- Axis movements
- Ref Axis
- HMI control overview
- Over rides
- Manual axis movements (jog & hand wheel)
- MDI / TSM functions
- Methods of work holding
- Cutting tool selection
- Tool library & offset page
- Load tools into library and carousel (touch)



## Who is it for?

For people who are new to advanced machining who would be interested in multi axis CNC machining.

## Aim:

For the learner to understand the CNC control, set and operate a multi-axis machine tool.

## Where Can I Study?

AMAC Centre, Training 2000, Blackburn.

## Method of delivery?

At the machine tool.

## Objectives

The learner will set and manufacture a small component.

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