

## 61-Advanced CNC Machines

<u>Course Duration</u>	<u>Target Audience</u>	<u>Language</u>	<u>No.Trainees</u>
40 hours	Technician/Engineer CNC Turn	English	12:12

### Content

- Absolute and incremental programming (G90/G91).
- Test the program with 3d-view and dry run.
- Fixed cycle on turn machine (G73/G74/G72/G77/G78/G83/G84/G85)
- Sub program call (M98/M99).
- The C-axis.
- Fixed cycle on turn machine (G81/G82/G83/G84/G85).
- Polar system (G15/G16).
- Scale and mirror (G50/G51).
- Helical thread.
- The A-axis drilling and milling on cylinder surface.

### Objective

- Make a cnc program with roughing and finishing cycle.
- Sub program, and knowledge about the C-axis and A-axis 4th axis.
- Make a cnc program with fixed cycle and polar system.

### Prerequisites

The trainee must have been trained on a principles and fundamentals of CNC course.