

**COURSE NAME : NX Fixed Axis Techniques**  
**DURATION : 3 x 8hrs session**

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## **OBJECTIVES**

The **NX Fixed Axis Techniques** course propels the NC/CNC programmer to an advanced level of the manufacturing processes of NX used in machining 2 and 3-axis contouring applications. In addition, the user will become skilled in the operational techniques of high speed machining methods and use of the WAVE Geometry linker.

## **WHO SHOULD ATTEND**

This course is intended for all NX users including:

- Manufacturing engineers
- Process planners
- CAD/CAM managers
- NC/CNC programmers

## **PRE-REQUISITES**

- The student should have attended the “Essentials for NX Designers (NXED)” and “NX Manufacturing Essentials (NXMF)” courses
- Knowledge of manual NC/CNC programming methods and machinery
- A thorough understanding of NC/CNC programming principles and a thorough understanding of NC/CNC machine/controller functionality

## **COURSE SYLLABUS**

- Overview
- Wave geometry linker
- Advanced cavity milling
- Plunge milling
- Z level machining
- NC assistant
- High speed machining concepts
- Fixed contour applications