Sample NX CAM Training Course Agenda

Duration: 2 to 3 days (depending on prior knowledge)

Part One

Configure software and licenses for running NX
Install training related and demo files

- •System Log files
- •Help
- •Command finder
- •Industry Specific Roles
- •Configuring Roles and the user interface
- •Saving Roles
- •Customer defaults
- •Analysis
- •View sectioning

Hands on workshop

Manufacturing Objects (The operation navigation views)

- •Program view
- •Machine tool view
- •Geometry view
- •Methods view

Demonstration overview

- •Workflow on a typical part

Cavity Milling and drilling techniques

- •Drilling tools
- •Milling tools
- •Cavity milling operations
- •3-D and Level-Based IPW (rest material)
- •Cut Levels
- •Cut Strategies
- •Drilling applications
- •ISV, Visualization and Verification

Hands on workshop

Planar Milling Introduction to Profiling

- •Planar Milling Multi Region
- •Planar Milling Single Level
- •Face milling
- •Boundary creation (Open/Closed)

Hands on workshop

- •Face Milling techniques
- •Non cutting moves
- •Cut strategies

Hands on workshop

- •Plunge Milling/drilling techniques

Hands on workshop

Part Two

Fixed axis contouring

- •Area Milling techniques
- •Open Boundaries
- •Z-Level Milling techniques
- •Cut Strategies
- •ISV, Visualization and Verification

Hands on workshop

- •High speed machining

Hands on workshop

- •Text Engraving – Planar and Contour

Hands on Workshop

Postprocessing

- •How to post process the operations in the Program View

Multi-Axis Basics
Fundamentals showing 4 and 5 axis functionality

- •Contour profiling
- •Surface area machining

Tool axis

- •Covering : IJK, 2 points, away from a point, toward point, toward line, relative to vector, normal to drive, relative to drive etc
- •Cut Strategies

Hands on workshop