

## ADMAC Parts Training Outline

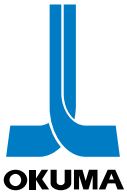
### Day One – Curriculum

- Review the ADMAC Parts main menu bar.
  - Establish a program editor and activating the program edit button
  - Review the description of each menu button
  - Switching the system from metric to inch.
  - Understanding the file management system “File Operation”
- Create and/or Importing DXF geometry.
  - Importing Dxf drawings
  - Importing portions of a Dxf drawing
  - Loading the Dxf by layers
  - Loading the Dxf on the same layer
- Selecting a Machine
  - Assigning a project name
  - Understanding project information
  - Selecting a machine post
  - Review machine properties
- Sample One
  - Creating Toolpaths for Turning, Grooving, Threading
  - Specifying surface roughness of toolpath elements.
  - Creating blank features and selecting blank material.
  - Understanding “chucking impossible”
  - Using Auto Process Decide
- Developing Optimized Process Plans
  - Reviewing the Edit Machine Unit Window
  - Understanding and using the “Calculate Machining Time” feature.
  - Storing unused machining features.
  - Recording machining steps and recalling machining steps “Mud Files”
  - Understanding and Using the functions of the Path Check Function
- Creating Machine Instructions
  - Generating and Verifying NC code “MIN File Creation”
  - Previewing Tool Lists and Process Lists
  - NC Code options
  - Saving Machine Instructions

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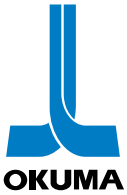
## Day Two – Curriculum

- Sample Two
  - Creating Toolpaths for Turning, Grooving, Threading
  - Selecting ID threads and understanding “Prehole and Nominal” selections.
  - Selecting a 2 spindle machine
  - Using and understanding OD and ID division lines.
  - Applying a 2<sup>nd</sup> work offset
  - Using the workpiece transfer function
- Tool Data Registration
  - Creating a new turning tool
  - Creating a new milling tool
  - Priority Tools
  - Cutting conditions for tools in the library.
  - Loading a tool from a different machine post.
- Material Set
  - Understanding the material library
  - Creating a new material in the library
  - Renaming materials in the library
  - Identifying speeds, feeds and cut depths
- Sample Three
  - Creating Toolpaths for Turning, Grooving, Threading
  - Creating turned and milled features on one part
  - Understanding and using the drilling function
  - Creating and understanding machining planes
  - Creating a machine blank using average machining allowance
- Section 11 Drawing
  - Understanding and using pre-drawing lines
  - Using the tracing function
  - Using the chamfering and filleting functions
  - Creating a cutoff operation in Edit Machine window
  - Combining the transfer and cutoff operation
  - Understanding and using the contouring function
  - Understanding the approach and escape function
  - Using 4 Axis machining with multi-turret and multi-spindle machines
  - Using the Display Guidance Diagram Function

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## Day Three – Curriculum

- Sample Four
  - Creating Toolpaths for Turning, Grooving, Threading
  - Creating turned and milled features on one part
  - Understanding and using the drilling function
  - Understanding and using the key-milling function
  - Understanding and using Oblique drilling function
  - Understanding and using Pocketing function
  - Manipulating blank shape geometry
- Window Test Sample
  - 9/16 Drill (8 places)
  - 1/2 Endmill (8 places)
  - Arc On/Arc Off Function
- Feb Contour Sample
  - Concentric Arc Function
  - Item Copy Processes
  - Machining Feature Name Change
- Oblique Face Reference Plane
  - Understanding Tilt Angle
  - Understanding B Axis Angles (Macturn & Multus)
  - Facemilling an Oblique Face
- Sample One – Manual Process
  - Manually process Sample One
  - Creating Manual processes
  - Processing parts without the Auto Decide Function
- OSP Simulation
  - Machine Selection Environment
  - NC Program Select
  - Process Test
  - Manipulating Tool Shapes and Offsets
  - Understanding Variable Limits
  - Main Program Display

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