

# FeatureCAM 3D Essentials

2 Day Training Course

## Audience

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## Prerequisites

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## Agenda

### 3D Roughing Strategies:

- Using the Import Wizard to align part, set Stock and position Setup1.
- Creating a Stock Curve from solid model. Selecting the curve as Stock.
- Surface selection – Part Surface and Check Surface. Select by Colour.
- Machining strategy Options – Offset Spiral, Continuous Spiral, Zigzag, Vortex.
- Offset Direction – Automatic, In to out, Out to in.
- Classify slices as 3D Pocket or 3D Boss.
- Re-machining options – None, Multiple Tool diameters, Step Cutting.
- Plunge and Parallel 3D Roughing Strategies overview.

### 3D Finishing Strategies:

- Apply finishing strategies to complete the part.
- Strategies used are Parallel, Corner Re-Machining 0.35mm finishing allowance to the original Parallel operation.
- Add Leads to Toolpaths and Relative retract and Plunge.

- Set the Solid model as a part compare target.
- 3D Simulate and Part Compare of the finished part.

### Working Example:

- Hair Dryer:

### 3D Strategies Overview:

- Roughing and Finishing Strategies (Parallel (Z Level Roughing and Finishing, Isoline, 2D Spiral, 3D Spiral, Radial, Flowline, Between 2 Curves, Specialized Strategies (Horizontal + Vertical, Steep and Shallow, Corner Remachining, Pencil, Vortex Rough with Pre-Drill, Z Level Rough with Stock model, Swarf)

### 4 Axis Rotary Overview:

- Machining a 4 Axis Rotary part.

### Working Examples:

- Have a go at working through machining some examples

All courses are normally run on the latest software release 4 Axis Rotary Overview. The agenda can be varied to suit a clients preferences and requirements. On completion of the course you will be presented with an Autodesk Authorised Completion Certificate. All our courses follow Autodesk approved coursework.

### Locations

Bristol  
Derby  
Worcester  
Pencoed  
Leeds

### Info

All food, equipment, software & amenities are provided. Please let a staff member know of any food allergies prior to the course.

### Contact

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