Autodesk Fusion CAM Training Course

Course Length: 4-Hours

- 4-Hours Training
- Delivered remotely over MS Teams
- Sessions are recorded and download links are provided after each session for your future use and reference.
- Pricing is based on 1-3 people
- Volume Discounts apply for 5+. Please contact us.
- Training sessions can start within 14 days of booking
- Courses are private and topics can be customised to suit
- Includes Certificate of Completion

The Autodesk Fusion CAM Training Course provides practical instructor-led training for machinists, CNC programmers, manufacturing engineers, workshop supervisors, and designers who want to develop efficient CAM workflows inside Autodesk Fusion. This 4-hour course focuses on CAM setup, toolpath creation, machining strategies, simulation, verification, post processing, and manufacturing outputs for CNC production. Delivered through live remote training over Microsoft Teams, the course uses hands-on demonstrations and guided exercises so participants can confidently set up machining jobs, generate and optimise toolpaths, verify operations, and prepare production-ready CNC outputs using Autodesk Fusion CAM.

Topic Covered

Topics covered include the Fusion CAM interface, manufacturing workspace setup, stock creation, tool libraries, 2D and 3D machining toolpaths, adaptive clearing, finishing strategies, simulation and collision checking, toolpath optimisation, post processing NC code, exporting CNC files, and manufacturing documentation workflows.
Participants should have a basic working knowledge of Autodesk Fusion and be comfortable with part modelling, assemblies, and general manufacturing concepts. Familiarity with CNC machining processes is helpful but not essential. This course is ideal for users who want to build practical skills in setting up and programming CAM operations for production workflows.

Fusion CAM Training Course Contents

Chapter 1: Introduction to Autodesk Fusion CAM

- Autodesk Fusion CAM Interface
- Manufacturing Workspace Overview
- CAM Setup and Stock Creation
- Tool Libraries and Machine Setup

Chapter 2: Toolpaths and Machining Strategies

- 2D Machining Toolpaths
- 3D Machining Toolpaths
- Adaptive Clearing and Finishing Strategies
- Toolpath Editing and Optimisation

Chapter 3: Simulation and Verification

- Simulating Machining Operations
- Collision Detection and Verification
- Reviewing Toolpath Efficiency
- Manufacturing Workflow Best Practices

Chapter 4: Post Processing and Manufacturing Outputs

- Post Processing NC Code
- Exporting CNC Files
- Manufacturing Documentation Workflows
- Course Review and Next Steps