AUTODESK FUSION TRAINING

Fusion Courses

TABLE OF CONTENTS

Fusion 360 Introduction to Parametric Modelling
3 Days

COURSE DESCRIPTION

This course will provide you with an understanding of the parametric design functionality within Autodesk Fusion 360 software. Through hands-on exercises, you will acquire the key skills and knowledge required to design models using the Fusion 360 software.

COURSE MODULES

- Autodesk Fusion 360 Interface
- Creating and Constraining 2D Sketches
- Creating and Editing Solid 3D Features
- Creating and Using Construction Features
- Creating Equations
- Working with Parameters
- Manipulating the Feature History of a Design
- Duplicating Geometry in a Design
- Placing and Constraining Components
- Defining Motions in a Multi-Component Design
- Creating Multi-Component Designs
- Creating Features in a Multi-Component Design
- Creating and Editing T-Spline Geometry
- Documenting a Design in Drawings
- Defining Structural Constraints and Loads

OTHER INFORMATION

Prerequisites

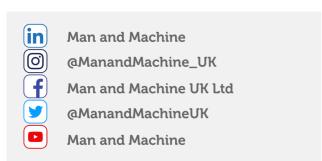A background in drafting of 3D parts is recommended.

Course Duration

3 Days

Next Steps

A bespoke course

Fusion 360 2D/3D Machining and Turning **1 Day**

COURSE DESCRIPTION

This Fusion training course will provide you with an understanding of the integrated CAD functionality within Autodesk Fusion 360 software. Through hands-on learning, you will acquire the key skills and knowledge required to produce 2.5 and 3-axis CNC Programs using the Fusion software.

COURSE MODULES

- Autodesk Fusion 360 CAM Interface
- Creating a Job Setup
- Creating and Using Tools in the Library
- Simulation and Post Processing the Job
- Face Milling
- 2D Strategies for Contouring and Pocketing
- 2D Strategies for Adaptive Clearance
- Drilling Operations
- Strategies for Circular, Slot and Trace Machining
- 3D Machining Strategies
- Semi Finishing Strategies for 3D Parts
- Finishing Strategies for 3D Parts
- Basic Turning Operations
- Operations for Threading and Chamfering
- Creating Setup Sheets

OTHER INFORMATION

Prerequisites

Knowledge of machining techniques and Inventor, SolidWorks or Fusion 360 is recommended.

Course Duration

1 Day

Next Steps

Fusion 360 Advanced Machining

Fusion 360 Advanced Machining 1 Day

COURSE DESCRIPTION

This Fusion course builds on the 2D/3D topics and will provide you with an understanding of the more advanced multi-axis capabilities within Autodesk Fusion 360 software. Through hands-on exercises, you will acquire the key skills and knowledge required to produce 4 and 5-axis CNC programming using the Fusion 360 software.

COURSE MODULES

- Advanced Job Setups
- 3+2 Machining Operations
- 4th Axis Wrapping
- Swarf Machining
- Advanced Turning
- Secondary Spindle Operations
- Turret Operations

OTHER INFORMATION

Prerequisites

Knowledge of machining techniques is recommended. Our 2D/3D Machining and Turning course.

Course Duration

1 Day

Next Steps

A bespoke course

Fusion 360 — AUTODESK

man machine

CONTACT US

🌐 www.manandmachine.co.uk

📞 01844 263700

✉️ sales@manandmachine.co.uk

man✖machine