



Machining **EXPERT**

Deliver Better Production Outcomes

What is Fusion 360 Expert?

Fusion 360 Expert consists of a collection of Autodesk market leading cloud-based 3D modelling platforms, combined with Cadline's professional training, consulting and post processor services, delivered by our industry experts with more than 200 years combined manufacturing industry experience.

Fusion 360 Expert is delivered by experts for design and machining professionals to provide the best learning paths and digital transformation experience, delivering positive personal and business outcomes.

Our teams work closely with you to understand your design to production processes and then recommend the right combination of tools to solve everyday challenges, deliver more automation and develop efficient practical workflows for your business.

Learning paths are mapped to your teams' requirements so the training they receive delivers the best return from your software investment and you can deliver products faster.



F AUTODESK Fusion 360 EXPERT FOUNDATION

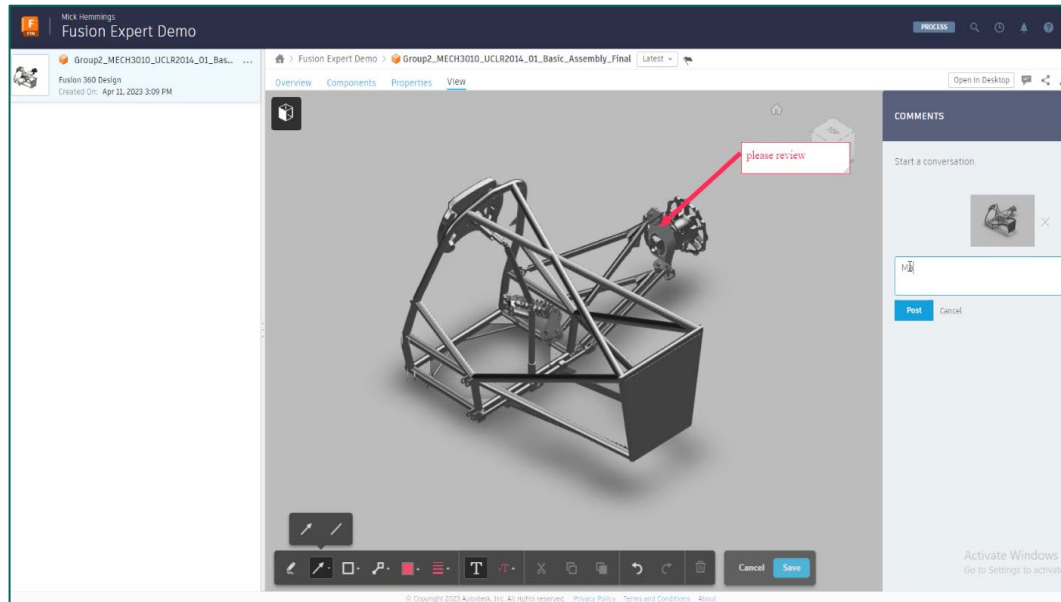
Design & Data Management

Start with Design & Data – EXPERT FOUNDATION

Autodesk Fusion 360 is a cloud-based 3D modelling, CAD, CAM, CAE, and PCB software platform for professional product design and manufacturing.

You can design and engineer products how you want to ensure aesthetics, form, fit and function and create anything with comprehensive electronics and PCB design tools.

But how are you going to manage and control all the data you are creating?



Our team will introduce you to the **Fusion Manage Extension** that, together with your base **Fusion 360**, provides all the tools you need to manage your data and share progress throughout the design cycles with your wider team.

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DESIGN

F AUTODESK Fusion 360

Fusion 360 is a cloud-based 3D modelling for professional product design and Manufacturing

DATA MANAGEMENT

F AUTODESK Fusion 360 Manage Extension

Enable engineering workflow approvals such as change orders, release management and automated part numbering.

Learning Paths – Expand Your Skills & Capabilities

Machinist Expert

- ✓ Fusion 360 setup and workflow
- ✓ Bodies and components
- ✓ Sketching basics
- ✓ Creating solids
- ✓ Modifying and editing solids.
- ✓ Adding planes and inspection
- ✓ Introduction to joints and relations

2 Day Course

Data Expert

- ✓ Fusion 360 Managed Extension set up and configuration
- ✓ Change management
- ✓ Design history
- ✓ Release process
- ✓ Item identification
- ✓ Version control
- ✓ Administrative tools
- ✓ Commenting & redlining
- ✓ User management

1 Day QuickStart with Training



F **AUTODESK** Fusion 360 **EXPERT EXTENDED**

Machine, Generative, Nest

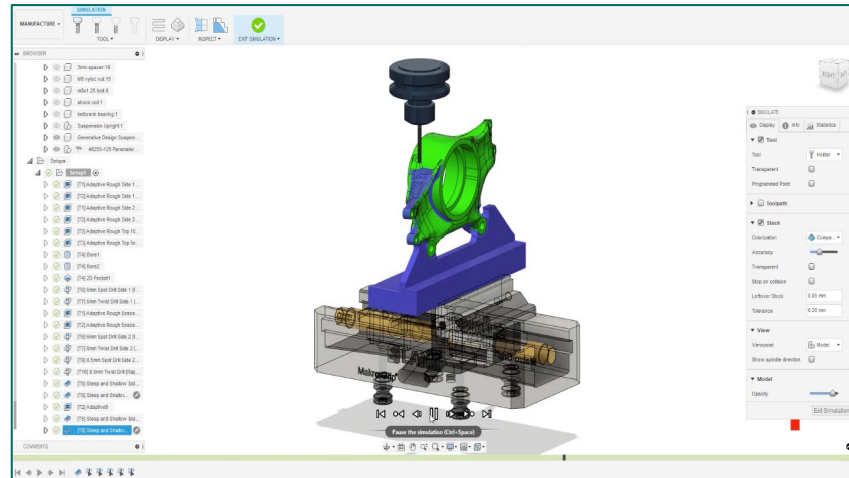


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Extend your Capabilities- EXPERT Extended

Autodesk Fusion 360 Extensions allow you to unlock advanced design and manufacturing technologies. Add to your base **Fusion 360** and **Managed Extension** to build your own capabilities as you need them.

Extend your capabilities using the **Machining Extension** allowing you to simplify CAM programming by automating your CNC machining workflows to reduce programming time, remove repetitive tasks and reduce errors.



Need to light weight your components? Then explore more ideas with the **Generative Extension** by using one workflow that utilises manufacturing process-aware artificial intelligence (AI) to expand design options. Use the Nesting and Fabrication Extension If you need to optimise your material yield and generate toolpaths and NC code directly within Fusion 360.

MACHINING

F **AUTODESK** Fusion 360 **Machining Extension**

Unlock additional CAM capabilities inside Fusion 360, allowing you to make better use of your 5-axis CNC machinery and produce higher quality parts.

GENERATIVE DESIGN

F **AUTODESK** Fusion 360 **Generative Design Extension**

Increase product design confidence by meeting performance criteria through the automated application of considerations such as lightweighting, improved structural integrity and continued durability.

NESTING & FABRICATION

F **AUTODESK** Fusion 360 **Nesting & Fabrication Extension**

Optimise material yield with automatic detection of material, thickness and part quantity. Generate setup, toolpaths and NC code directly within the Fusion 360 Nesting & Fabrication Extension.

Learning Paths - Expand Your Skills & Capabilities

CAM Expert

- ✓ 2D Machining
- ✓ 2D Adaptive Milling
- ✓ 3+2 Machining
- ✓ High-Speed 3D Machining
- ✓ Advanced 3D Machining
- ✓ Introduction to Turning

2 Day Course

Creative Design Expert

- ✓ Create a generative design study.
- ✓ Create preserve and obstacle geometries.
- ✓ Specify the design conditions such as structural constraints and loads.
- ✓ Apply a generative design criterion i.e. minimum FOS, target weight.
- ✓ Specify the methods of manufacture and the component materials.

1 Day Course

Optimisation Expert

- ✓ Introduction to Fusion 360
- ✓ Navigating the workspace
- ✓ Bodies and Components
- ✓ Sketches
- ✓ Flat Patterns
- ✓ Sheet Metal Rules
- ✓ Process Material Library
- ✓ Material/Packaging Pre-sets
- ✓ Nest Studies
- ✓ CAM Setup / Tool Database
- ✓ Waterjet and Laser Cutting
- ✓ 2D Milling Strategies
- ✓ Creating NC Code
- ✓ Create a 2D Detail Drawing

2 Day Course



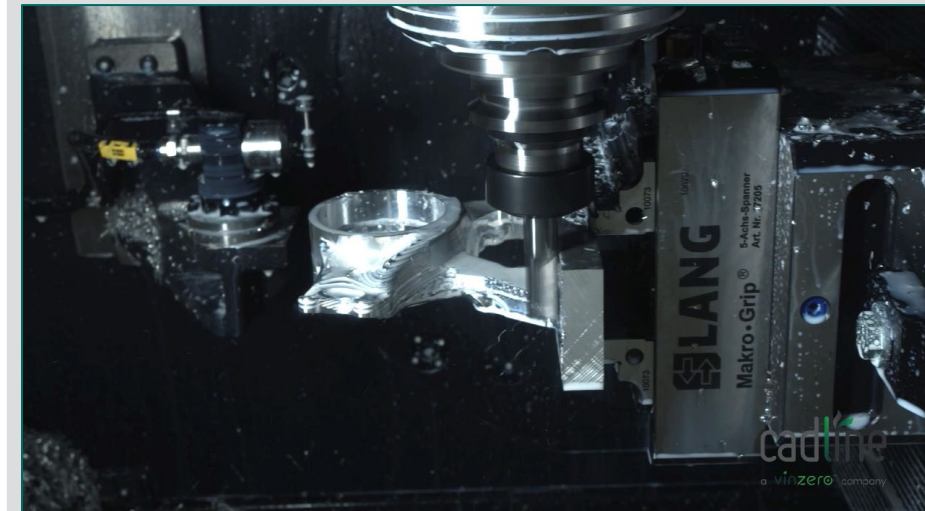
Machining **EXPERT**

Supporting Better Production Outcomes

Get All the Technical Support You Need From The Experts

Our team of Advanced Manufacturing and CAM specialists is available to provide additional guidance and support beyond the implementation of your software. We understand there may be instances when the software encounters issues or fails to meet your specific requirements. In such cases, it is crucial to speak with someone who understands your problem and possesses the necessary knowledge and experience to identify the optimal solution in the shortest possible timeframe.

- 4 Hour Response
- UK based, ISO 9001:2015 quality certified helpdesk.
- Log calls by phone, email or online.
- Unlimited calls
- Regular status updates



+ 150 Years Industry
Experience

