



Designer **EXPERT**

Delivering Better Design 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.

We will work closely with you to understand your design to production processes and then recommend the right combination of tools to solve your everyday challenges, delivering more automation and developing efficient practical workflows for your business.

Learning paths are mapped to your specific requirements so training delivers the best possible return and enables you to deliver products faster.



F **AUTODESK**
Fusion 360 **EXPERT FOUNDATION**

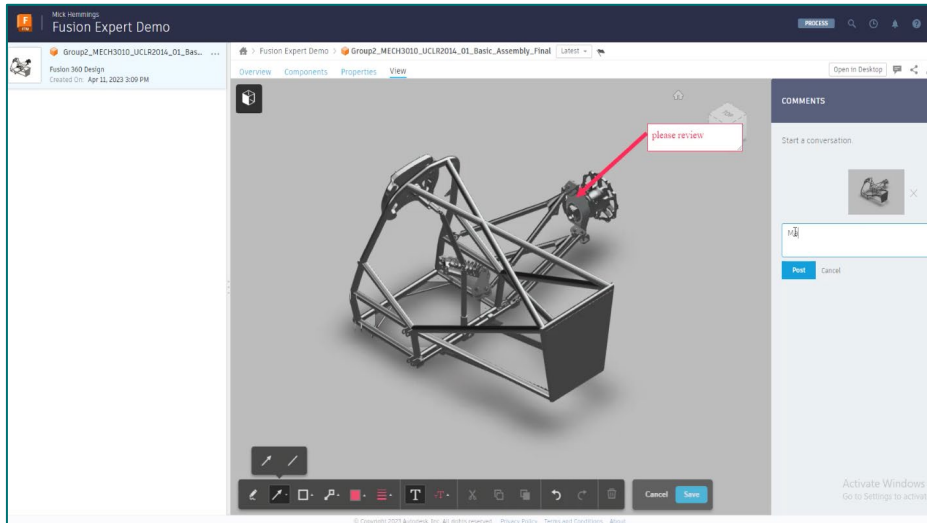
Design & Data Management

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 cycle with your wider team.

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DESIGN

F **AUTODESK**
Fusion 360

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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

Fusion 360 for Designers

- ✓ 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

- ✓ Set up and configuration
- ✓ Change management
- ✓ Design history
- ✓ Release process mgmt.
- ✓ Item identification
- ✓ Version control
- ✓ Administrative tools
- ✓ Commenting & redlining
- ✓ User management

1 Day QuickStart with Training

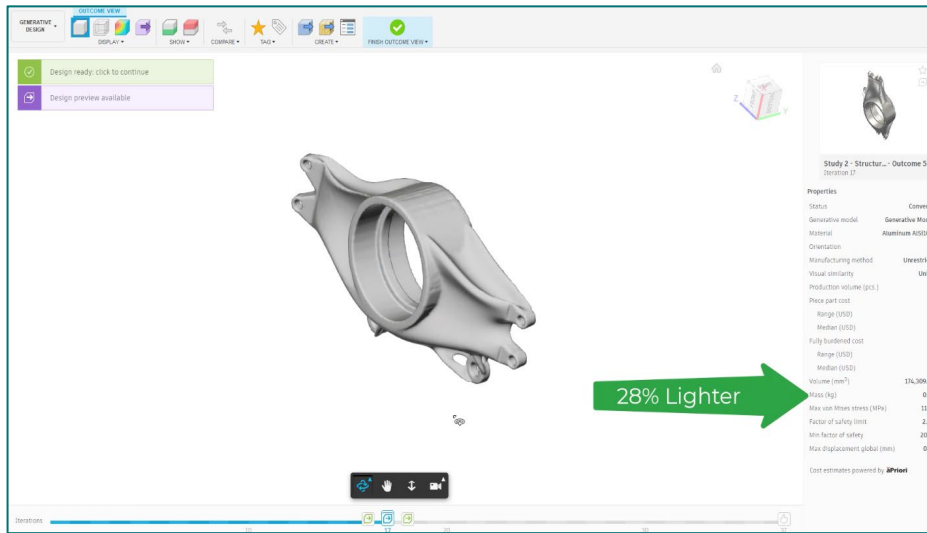


Generative, Simulation

Extend your Capabilities- EXPERT Extended

Autodesk Fusion 360 Extensions allow you to unlock advanced design and manufacturing technologies and can be added to your base **Fusion 360** and **Managed Extension** in any combination, allowing you to build your own capabilities as you need them.

Need to light weight your components? Then explore more ideas in **Generative Extension** using one workflow that utilises manufacturing process-aware artificial intelligence (AI) to expand design options well beyond human imagination quickly, without the need to model and validate each individually.



Extend your capability using the **Simulation Extension** and explore structural, thermal and explicit simulation tools, including injection moulding, for manufacturing insights.

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GENERATIVE DESIGN



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

SIMULATION



Let your team analyse performance and manufacturability.

Learning Paths - Expand Your Skills & Capabilities

Redesign 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

Simulation Expert

- ✓ Introduction to engineering analysis
- ✓ Stress analysis overview
- ✓ Dynamic simulation overview
- ✓ Preparing and running a simulation
- ✓ Viewing results
- ✓ Analysing assemblies performing a parametric design
- ✓ Study mesh control and convergence performing a modal analysis

1 Day Course





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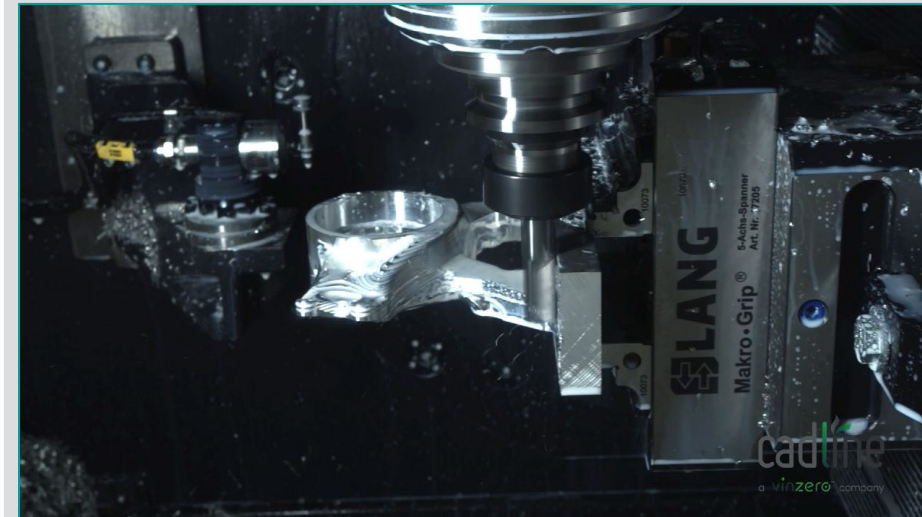
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Supporting Better Design Outcomes

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

