AUTODESK® FUSION 360™

Autodesk Fusion 360:
For the Future of Making Things

Autodesk reimagined 3D CAD/CAM from the ground up. The first tool of its kind, Autodesk® Fusion 360™ enables teams to work together within an integrated design, engineering and fabrication platform, virtually anywhere and on any device.

1 It is quickly becoming a comprehensive product development tool

From concept through manufacturing, Autodesk® Fusion 360™ is a comprehensive product design tool. Start by rapidly iterating your design to arrive at the best design concept. Next, move into production engineering by easily utilizing your conceptual design. Finally, prepare your design for fabrication by utilizing integrated 2 and 3 axis CAM or using the 3D printing utility for additive manufacturing. All in a single design without switching applications.

2 Bring together design and engineering

End the data disconnect between design and production engineering departments. Do more with your design data by creating complex surfaces that can actually be machined and are digestible downstream in the engineering and manufacturing process.

3 Flexible modeling environment

You can choose how you design. Fusion 360 includes flexible real time direct modeling as well as feature based parametric modeling, you decide what environment makes sense at that phase of the product design process. Fusion 360 includes: polygonal Sub-D modeling, T-Splines modeling, NURBS surface modeling, Bezier curve surface modeling, CSG Primitives modeling.

4 File translation, import & export

Import and export design files with a comprehensive set of CAD data translators. Fusion 360 supports translation of over 50 different file types including .OBJ, .DXF, .DWG,.SLDPRT and PDF to name a few. Accurate design translation and issues communicating with partners, suppliers or customers is a thing of the past—it just works!

5 Modern development cycles

The Fusion 360 development team is listening to you. They have modernized their development process by releasing updates approximately every 8 weeks. These enhancements are coming directly from community feedback to help guide Fusion 360 into an even more powerful, intuitive and stable design tool.

6 Integrated data management

Fusion 360 takes care of data management and version control so you don't have to. Manage projects from one central dashboard allowing you to add CAD data as well other necessary data like PDF's, documents, images and about anything else you will need for your project. Fusion 360 will automatically create and manage versions allowing you to review or roll back to an earlier state with ease. Easily find components embedded in complex designs and simplify design re-use with the integrated search engine. All of this without expensive implementation and maintenance cost.

7 Collaboration is key

Work by yourself or with others from one central project dashboard. Maintain control of who has access to view, comment, and edit on projects. Make design reviews a snap with the ability to view project data through a web browser allowing collaborators to participate even if they don't have Fusion 360. Access projects from your mobile device to view designs, review with your team and post comments.

8 Fabrication

Prepare your designs for machining with an integrated CAM tool with 2.5 and 3 axis machining or utilize the 3D printing capabilities for additive manufacturing.

9 It works with your existing hardware

Install Fusion 360 on as many computers or devices as you want. Fusion 360 is natively written for both Mac and PC allowing you to use your preferred OS/PC or both at no additional cost.

10 3D rendering and visualization

Communicate design intent internally, to customers or create photo realistic marketing materials directly from your model. Fusion 360 takes the heavy lifting of rendering off your machine by pre-rendering your designs in the cloud , so they can be viewed on your A360 dashboard and shared any time. If you want more granular control of your rendering, you can dynamically adjust environments, depth of field, effects, ray tracing settings, and visual styles directly within Fusion 360 with simple drag-and-drop functionality, then rendering it locally.

Learn more about Fusion 360:
Fusion360.autodesk.com

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