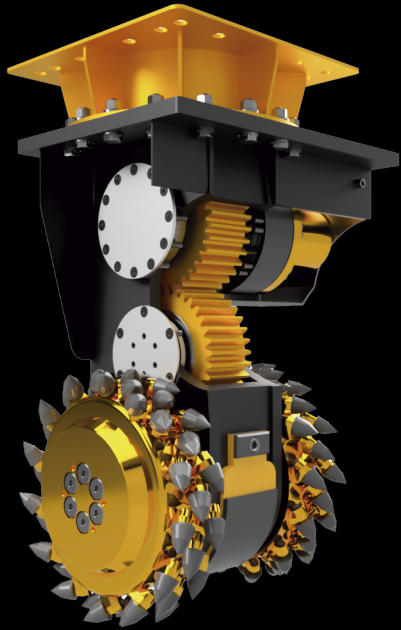


AUTODESK Fusion

The future of design and
manufacturing



Functional design

Design and engineer products how you want to ensure aesthetics, form, fit, and function

Make anything

Comprehensive tools for additive and subtractive manufacturing, electronics, and PCB design

Accelerate innovation

Bring innovative products to market faster

What is Autodesk Fusion?

Fusion is a cloud-based 3D modeling, CAD, CAM, CAE, and PCB software platform for professional product design and manufacturing. Bring products to market faster and impact your bottom line through a connected product development process.

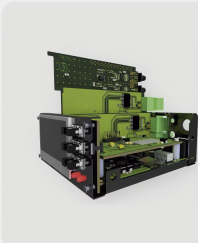


Capabilities



Flexible 3D CAD

With a 3D design and modeling platform, engineer products with a comprehensive set of modeling tools, including direct, surface, parametric, mesh, and freeform modeling. With easy-to-use cloud CAD software, you can quickly explore many iterations.



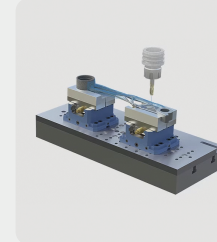
Unified PCB design

Leverage schematic design, PCB layout, and routing capabilities to bring your designs to life. Save valuable design time with a full-featured schematic capture, PCB manufacturing, and a component PCB library with ready-to-use parts.



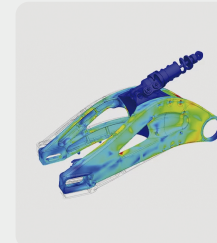
Explorative generative design tools

Optimize your design with multiple manufacturing-ready outcomes that meet your specifications while reducing weight, improving performance, and consolidating parts. Review AI-generated design outcomes based on visual similarities, plots, and filters.



Integrated CAD/CAM

Design to manufacture capabilities makes it easy to program CNC machines to produce high-quality CNC machined parts, using simplified controls for high-efficiency roughing, adaptive clearing, and tool orientation.



Seamless 3D simulation

Test your designs to ensure they will survive real world conditions. Digital, cloud-based tools allow you to simulate your products, reducing the cost of prototyping. Set up multiple studies to gain insights on finite element analysis through exploration.



Instant-on data management

Centralized, real-time data management allows you to assign permissions inside and outside of your organization, reduce conflicts and errors with automated version control, and allows teams to work from anywhere with cloud storage and access from any device.



Autodesk Fusion provides capabilities that accelerate business outcomes

Organizations that concurrently engineer and are more agile can benefit from improvements in design iterations. Leveraging an improved product development process can get products to market faster while better utilizing your companies' resources.

Try Fusion FREE
for 30 days





What is a Fusion extension?

Unlock advanced design, simulation, manufacturing, and data management technologies



Advanced strategies

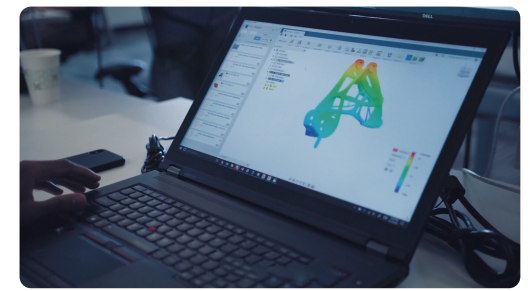
Gain access to complex machining strategies, generative design, and additive manufacturing workflows

Customized subscriptions

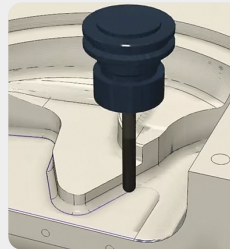
Customize your experience to align with project timelines with several subscription options

What is a Fusion extension?

Extensions allow you to unlock advanced design and manufacturing technologies in Fusion. Create better products with enhanced workflows tailored to your business on one platform.

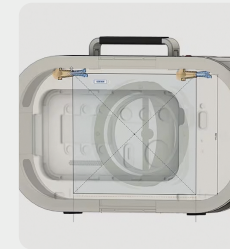


Available Extensions



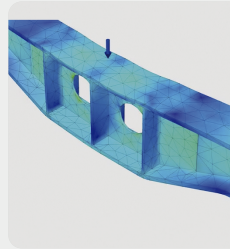
Manufacturing Extension

Unlock additional capabilities for 3 to 5-axis CNC machining, sheet-based nesting and fabrication, and metals based additive manufacturing. Speed up CAM programming and improve the consistency of manufacturing processes to produce higher-quality parts.



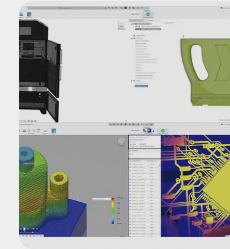
Design Extension

Improve your product development process by leveraging multiple design options influenced by your available design constraints. Focus on function and aesthetics with automated design change capabilities that will better prepare your designs for the shop floor.



Simulation Extension

Optimize part design and performance with virtual simulation. Explore new design outcomes with access to generative design and validate with powerful simulation studies including FEA, electronics cooling, injection molding, and more.



Manage Extension

Improve the management of your engineering process with collaborative workflow in the cloud. Capture, notify, and approve of all design changes. Release and track the latest approved data to stakeholders. Control how users interact with your project data.



Signal Integrity Extension

Improve high-speed PCB design compliance with EMI and EMC testing standards. Reduce costly physical PCB prototyping and testing time by virtualizing electromagnetic analysis and simulation early within PCB design workflow.

Try Fusion Extensions FREE for 14 days



What is the Fusion Industry Cloud?

Autodesk Fusion is the industry cloud for manufacturing. It connects your data and people, delivering next-generation workflows across the entire product development lifecycle from top floor to shop floor, throughout your organization and ecosystem.

