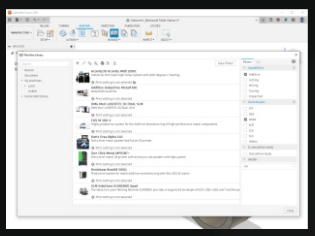
AUTODESK
Fusion 360
Additive Build Extension

The mainstream solution for Metal **Additive Manufacturing**

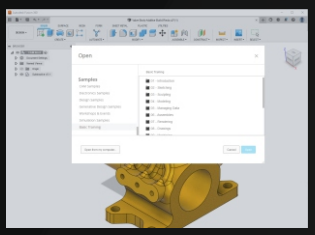
Accessible and **easy to use**

Incredible value for money. Less than **2150$ per year**.*



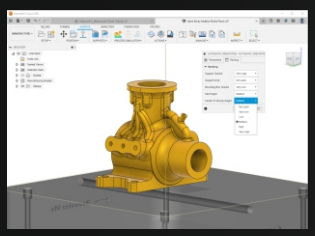
Extensive Machine Library

- Access to over 50 different MPBF machine models from more than 10 vendors.
- Customize your machines and store them locally or in the cloud.
- Create your own machine by modifying generic templates.
- On selected machines, direct connectivity makes Fusion 360 the only tool you need.



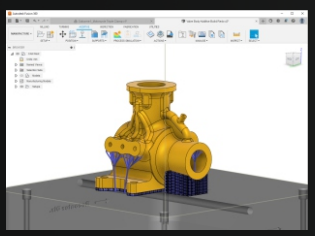
Import CAD Data from any source

- Import CAD and mesh files in large number of native and open file formats at no additional cost. This includes Inventor, SLDPRT, X_T, IGES, STEP, STL, 3MF and more.
- On many platforms, changes in the imported source model file will propagate across CAD systems and update within all of Fusion 360‘s workspaces.
- Convert plain STL files into fully editable BREP models with a few clicks.



Automatic Orientation

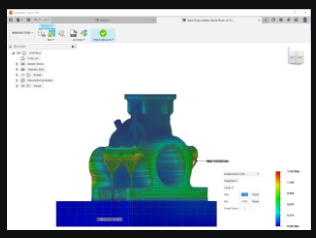
- Identify the ideal orientation for your parts to minimize support material while achieving the best surface quality and a successful print.
- Rank orientations based on multiple criteria and select from presets based on manufacturing process.
- Use Fusion 360's powerful API to automate your custom workflows.



Associative Support Structures

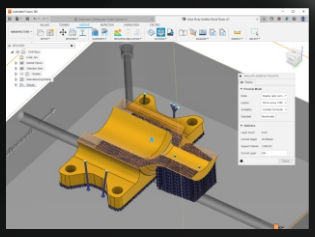
- Generate support structures directly on the CAD surfaces of your component.
- Embedded in the design history, supports are updated automatically with any design change or reorientation of a part.
- Pick from a list of powerful geometries to quickly support entire builds.
- Clone existing supports from one part to the other.
- Use support templates based on the manufacturing process.

* US list price as of November 2022. Includes full license of Autodesk Fusion 360, flexible daily and monthly pricing options available, multi-year discounts available.



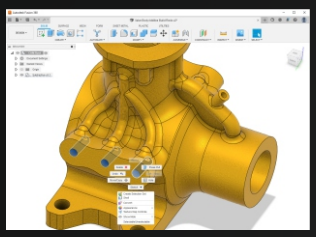
Process Simulation

- Use the the integrated thermo-mechanical process simulation to predict issues like recoater interference that may occur during the build.
- Examine the thermal and distortion history of the LPBF process.
- Simulate directly in the CAD environment without the need to export to an external tool.
- Compensate distortion by creating a pre-warped geometry that distorts to the nominal shape.



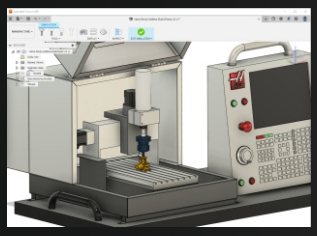
Laser path creation and preview

- Slice your models and create your laser toolpaths directly from the CAD interface.
- Preview and animate hatching strategies in 3D.
- Parametrically assign multiple build strategies to regions and CAD bodies.
- Export a native build file to drive your chosen machine.
- Deploy your own custom toolpathing kernels* and process IP.



Design for Manufacturing

- Fusion 360's direct modeling capabilities are extraordinarily robust and state of the art in the CAD industry.
- Create multiple manufacturing models (e.g. one for printing, one for machining), associatively derived from the original CAD Design.
- Meshes are a first class geometry type and possess their own modelling history.



Postprocessing and Ecosystem

- Built on top of Fusion 360, the Additive Build extension includes market-leading postmachining capabilities in the same environment.
- Use its integrated inspection and metrology tools for quality control out of the box.
- The huge toolbox of the included Fusion 360 platform supports you with everything you need – from Data Management, CAE, Rendering to Generative Design.

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* Contact us to learn about how Autodesk technology will supercharge your process development activities.

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