

## 10 REASONS TO CHOOSE NETFABB

1. End-to-end tools to get from 3D model to successfully printed parts.
2. Fast file handling with direct CAD import and tessellation capabilities.
3. Automatically repair faulty mesh models.
4. Editing tools designed to ensure models are suitable for printing.
5. Simulate builds to verify print success and/or compensate for distortions.
6. Create build supports for SLM, EBM, SLA, DLP, and FDM processes.
7. Create slice files and send finished models directly to the 3D printer.
8. Architect product properties with latticing capabilities.
9. Automatic packing of build platform.
10. Direct machine interfaces help you get the most out of your hardware.

### Make Great Products

Autodesk manufacturing software helps you make better quality products, faster. Machine, print, inspect, and fabricate parts efficiently.

- Autodesk CAM solutions help you manufacture large molds, automate machining, integrate design with manufacturing, and much more.
- Netfabb streamlines your additive manufacturing workflow for the design and build of production-quality 3D printed parts.

Learn more at [www.autodesk.com/MAKE](http://www.autodesk.com/MAKE).

### Learn more or purchase

Access specialists worldwide who can provide product expertise, a deep understanding of your industry, and value that extends beyond your software purchase. To purchase Autodesk® Netfabb® software, contact an Autodesk partner near you at [www.autodesk.com/partners/locate-a-reseller](http://www.autodesk.com/partners/locate-a-reseller).

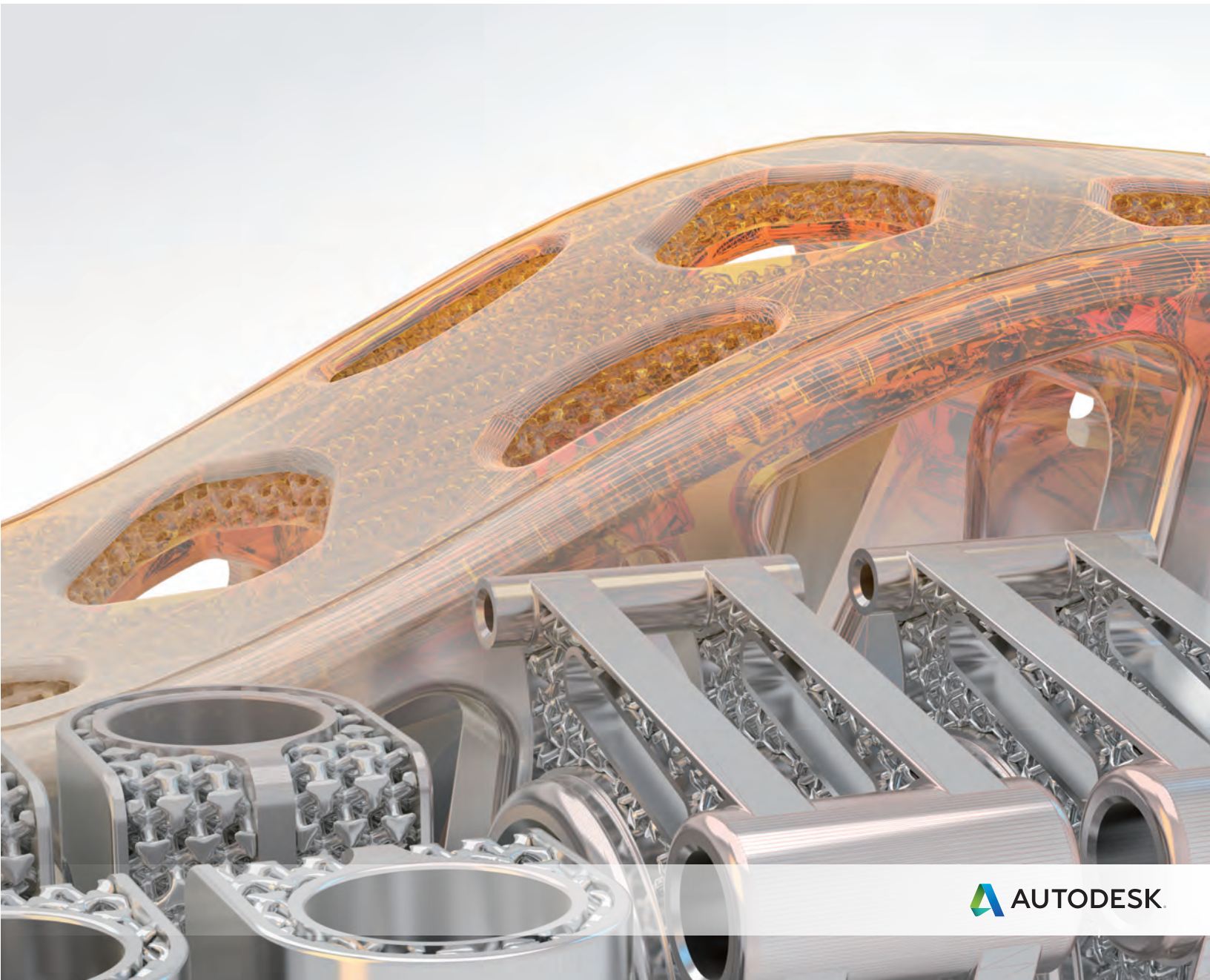
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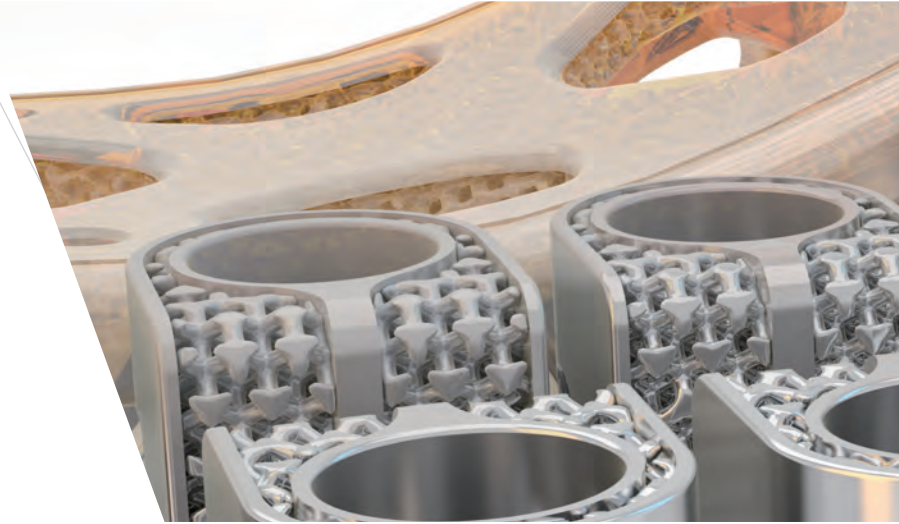
# Make the most of additive manufacturing





## Make the most of additive manufacturing

Visit [www.netfabb.com](http://www.netfabb.com) to find out more.



Autodesk® Netfabb® additive manufacturing software helps you quickly get from a 3D model to successfully printed parts.

### End-to-end workflow

Designed for production environments, Netfabb provides efficient build preparation capabilities alongside tools for optimizing designs for additive manufacturing and simulating metal additive processes, to help you reduce costs, increase efficiency, and improve part performance.

#### Facing these challenges?

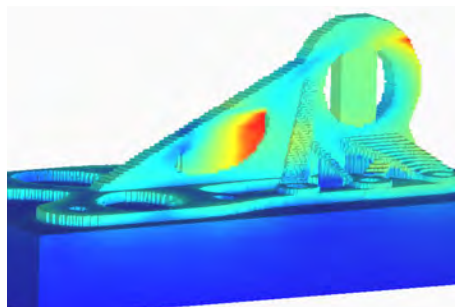
- Converting and importing models from many different CAD applications.
- Difficulties creating models that capitalize on the design freedom offered by additive manufacturing.
- Excessive time spent repairing and prepping data to avoid print errors.
- Modifying models to make them suitable for additive manufacturing.
- Print failures that put projects behind and reduce profitability.
- Delays in quoting jobs and producing build reports.
- Maximizing the number of parts you can fit in each build.
- Different software required to prepare builds for each machine.
- Modifying mesh files in your CAD program.



### Design for additive

Netfabb includes design optimization tools that help you achieve results that are lighter in weight, as stiff or as flexible as needed, with your chosen aesthetics and unique material properties.

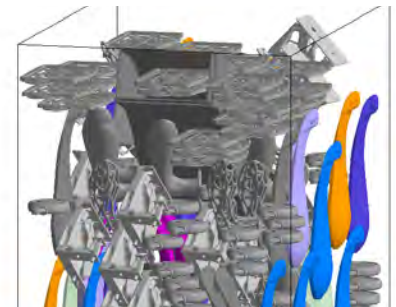
Generate forms optimized for stiffness and weight, based on the loads and constraints of the part. Quickly apply complex internal lattice structures and surface skins. Use the optimization engine to refine parts automatically and develop libraries of unique structures by combining your unique unit cells.



### Process simulation

Predict and mitigate various metal laser powder bed fusion build failures before manufacturing in significantly less time than is required to build the part.

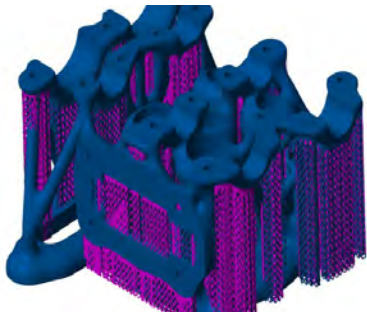
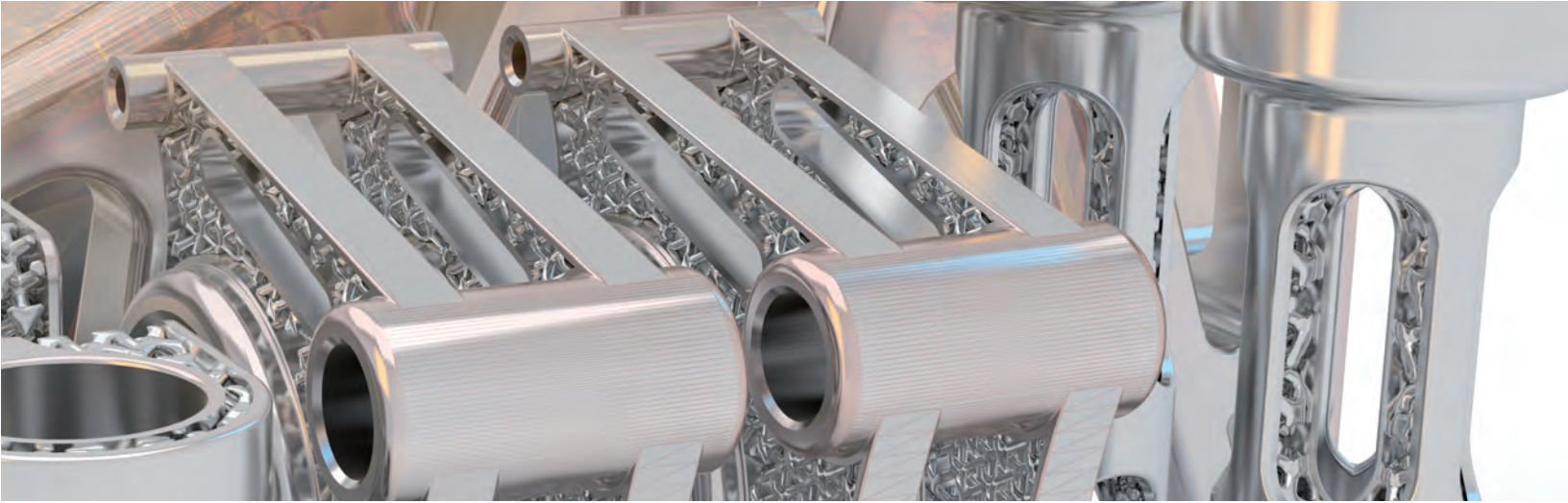
Compensate your models based on simulation results to create a modified pre-form, designed to warp into the desired shape when manufactured, resulting in nearly no net distortion. Reduce the need for trial and error, saving time and money.



### Platform Packing

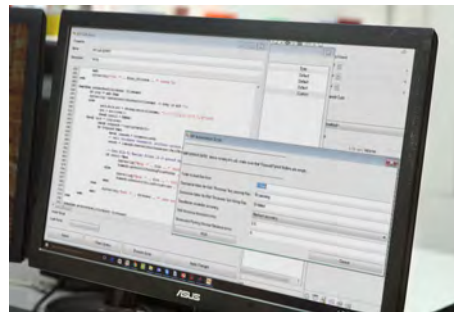
Automatic packing is a fast and convenient way to find the most efficient way to pack parts on the build platform.

Convert your 3D models into layers and all relevant 3D file types before exporting slice files directly to your machines.



### Configurable build supports

Identify areas that require support and use manual or fully automatic supports tools to generate support structures.



### Automation via Lua Scripting

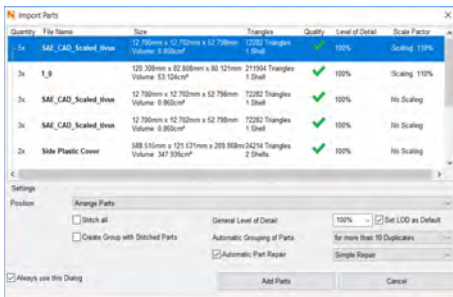
Eliminate repetitive manual actions using the scripting functionality to automate and customize Netfabb usage.

Creating and sharing customized scripts across multiple facilities can allow for scalable, repeatable AM process development.



### Dedicated machine workspaces

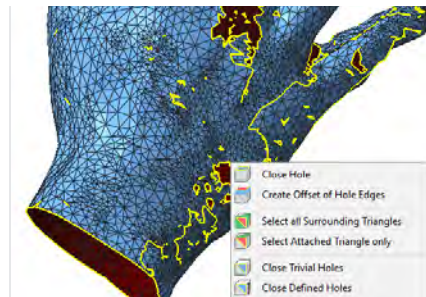
Streamline your build preparation process with integrated workspaces for every AM process for over 100 machines including EOS, SLM, HP, Farsoon, Formlabs and more.



### Automated Model Import

Netfabb imports models from all leading CAD systems parametrically, helping speed up file handling. Import files in batches to quickly tessellate, analyze and repair multiple datasets in a single operation.

Netfabb imports and handles CAD parts in a non-destructive fashion. The part's parametric information is kept and can be reused when needing to derive new information from the part's shape, such as when generating slice contours or determining support clusters.



### Analyze, Repair & Edit Meshes

Robust mesh analysis and repair scripts generate watertight files, close holes, eliminate self-intersections and more; while mesh triangulation helps improve the resolution of your printed parts.

Netfabb also includes a wide range of model editing tools, designed to help you create geometry for part labels or numbers.

**Additive manufacturing plays a vital role in making aerospace components lighter and consuming less material. Nevertheless, the designs are becoming more complex and computer modelling is essential to master the complexity. Autodesk software proved this can be done.**

Marko Bosman,  
Chief Technologist AM,  
GKN Aerospace

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