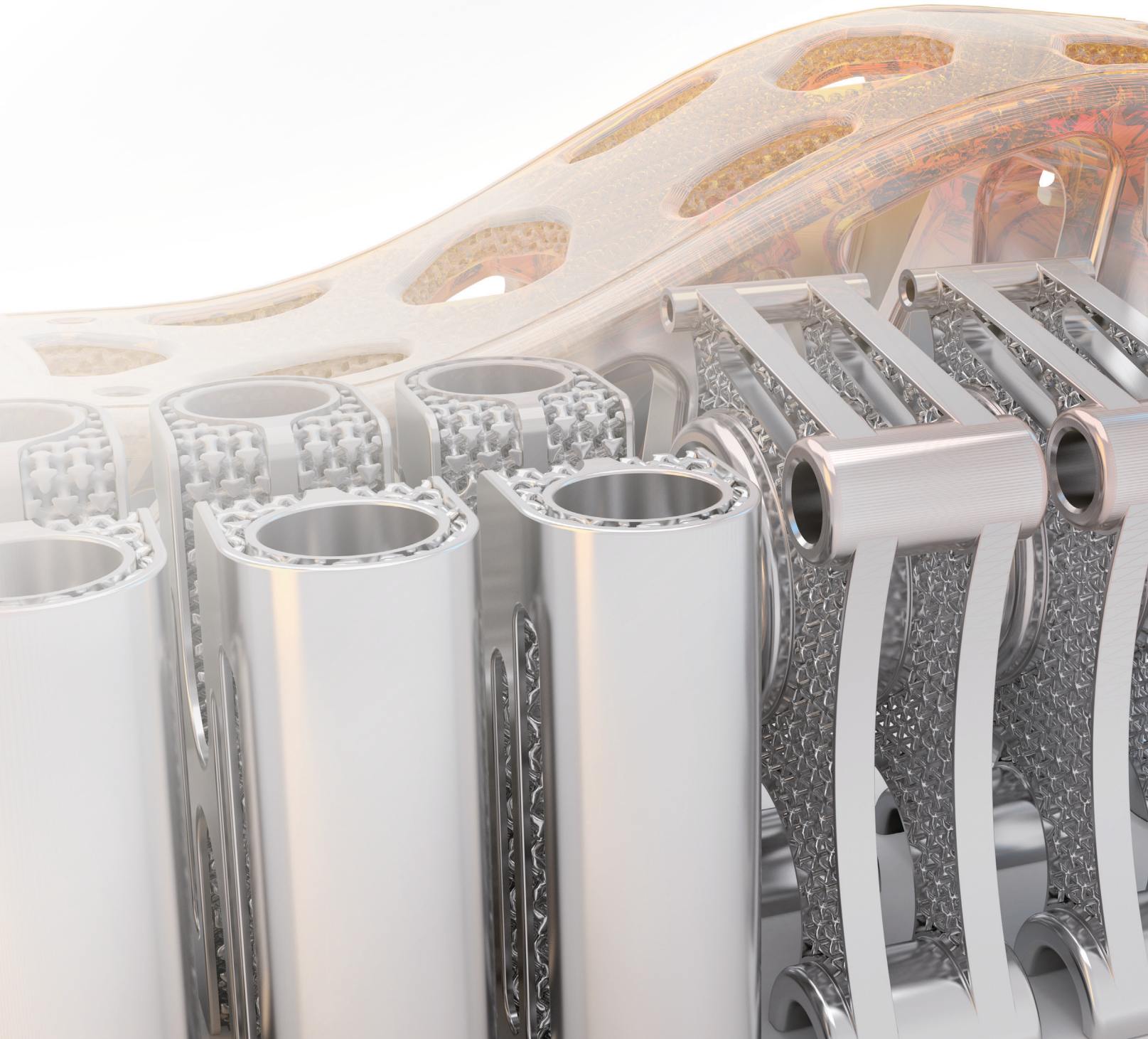


# Expert software for additive manufacturing

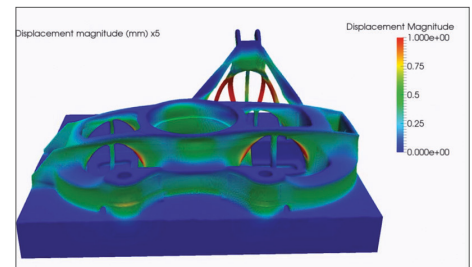


Expert software for additive manufacturing

Designed for production environments, Autodesk Netfabb provides all of the software you need to help reduce costs, increase efficiency and improve part performance in additive manufacturing and 3D printing.

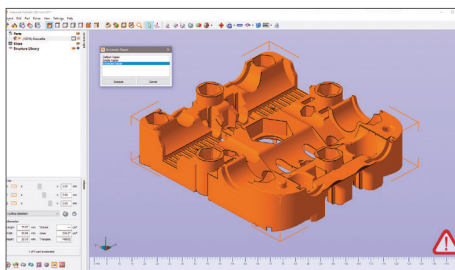
### Solve challenges including:

- Working with models from many different CAD systems
- Reducing the time spent preparing files for additive manufacture
- Modifying models to make them suitable for additive manufacture
- Enhancing additive manufacturing processes to improve efficiency and reduce costs
- Reducing scrap rates on builds
- Quickly and accurately quoting jobs and producing build reports
- Maximizing the number of parts you can fit in each build



### Fast and accurate simulation

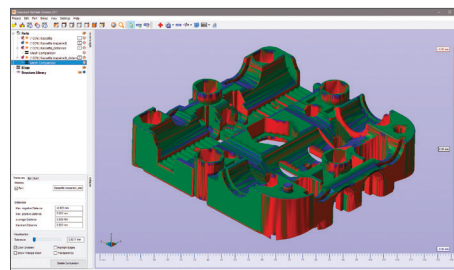
Fast simulation of full layer deposition predicts structural stresses and deformations in metal parts, helping reduce the need for costly experimental trial and error iterations. Netfabb Simulation utility is compatible with common metal additive manufacturing and cladding processes.



### Move quickly from CAD to print

Netfabb imports models from all leading CAD systems and converts them to editable STL files, helping speed up file handling. It also allows you to import files in batches to quickly assess multiple files.

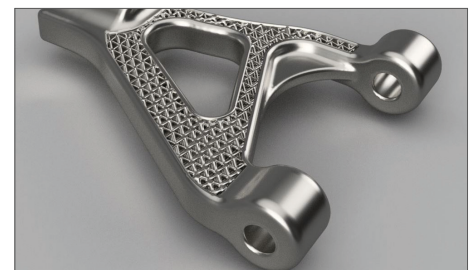
Powerful mesh analysis and repair scripts generate watertight files, closing holes, eliminate self-intersections and more; while mesh triangulation helps improve the resolution of your printed parts.



### Powerful print preparation tools

Netfabb provides a wide range of model editing tools, designed to help you create the geometry you need.

Reduce build time and improve the surface finish of models with sophisticated cutting tools. Combine, merge and subtract parts using the comprehensive Boolean operations. There are also tools to offset, hollow, and smooth parts, adjust wall thicknesses, add machining stock and reduce sharp edges of parts to fit the capabilities of your machines.



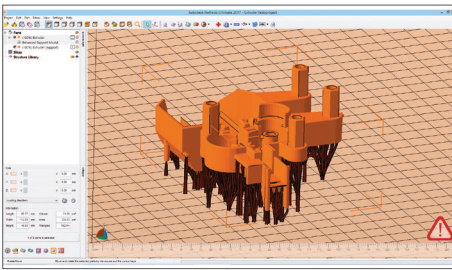
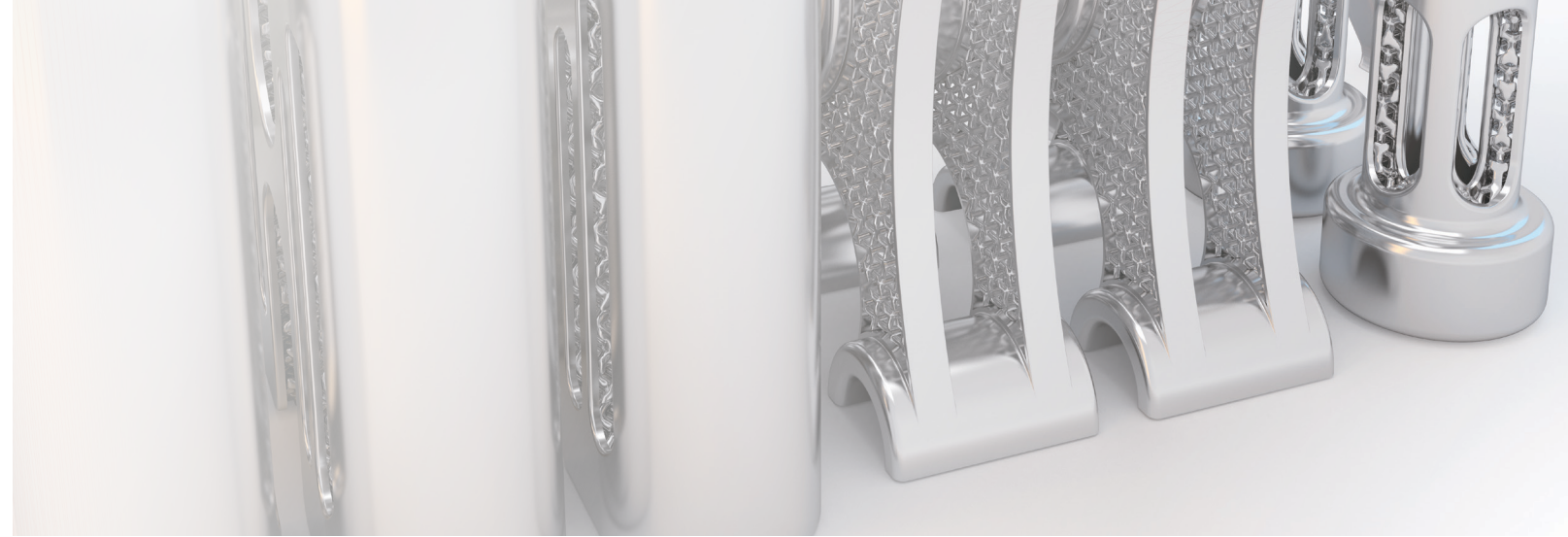
### Optimize designs

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.

Apply complex internal lattice structures and surface skins in seconds. Use the optimization engine to automatically refine parts. And, develop libraries of unique structures by combining your own unit cells.

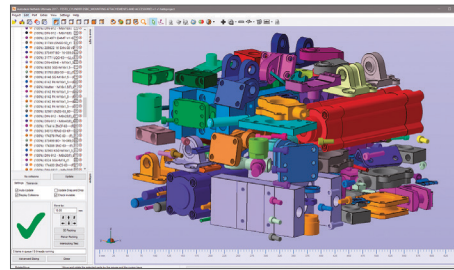
Visit [www.netfabb.com](http://www.netfabb.com) to find out more.





### Accelerate build performance

Whether you're using selective laser melting (SLM), electron beam melting (EBM), stereolithography (SLA), digital light processing (DLP), or fused deposition modeling (FDM) processes, the economic success of your parts depends on the application of robust build supports. Netfabb can analyse your parts to identify the areas that need support and generate the build supports to help you keep preparation time and material consumption as low as possible.



### Increase your printing efficiency

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.

“If we didn't have Netfabb to automate a large portion of file preparation process, each build would be substantially more time consuming and labor intensive.”

– Dan Ko, Strategic Initiatives Lead | Shapeways

## 10 reasons to switch to Netfabb

- 1 Manage design optimization, manufacturing preparation and simulation.
- 2 Fast file handling with direct CAD import and file conversion capabilities.
- 3 Automatically repair faults that could impede downstream processes.
- 4 Use editing tools designed to ensure models are suitable for manufacturing processes.
- 5 Save time and help reduce cost by simulating builds to verify your part's net shape.
- 6 Create build supports for SLM, EMB, SLA, DLP and FDM processes.
- 7 Create slice files and send finished models directly to additive manufacturing machines.
- 8 Quickly enhance designs to create refined parts that are lightweight yet stiff and as flexible as required.
- 9 Automatic packing helps to maximize machine output.
- 10 Direct machine interfaces help you get the best results out of your hardware.

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

## Make Great Products

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

- Complete modular manufacturing solutions – CAM, additive, composites.
- Manufacturing expertise to automate, optimize and integrate your manufacturing processes, in addition to your software.
- Cloud-connected so you can collaborate and manufacture anytime, anywhere.

## Learn more or purchase Netfabb

To find out more, and purchase Autodesk® Netfabb® software, visit [netfabb.com](http://netfabb.com)

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