

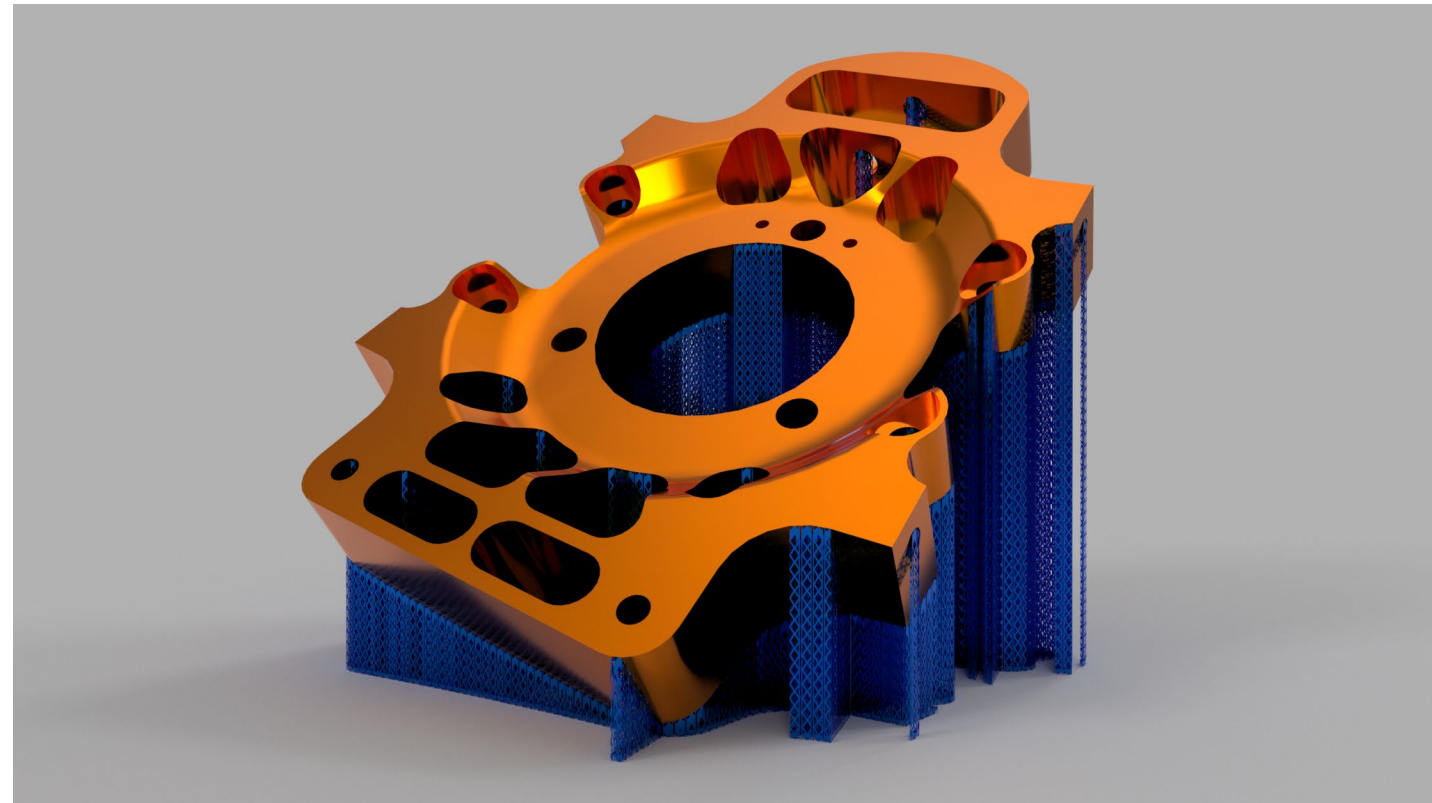
Autodesk® Netfabb® 2024.0

What's New

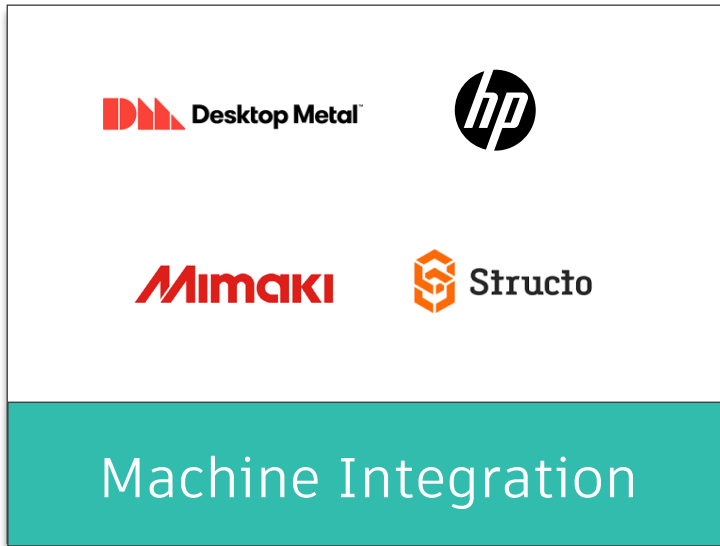


Autodesk® Netfabb® 2024.0

- Netfabb 2024.0 Release Highlights
- Netfabb Simulation 2024.0 Release Highlights

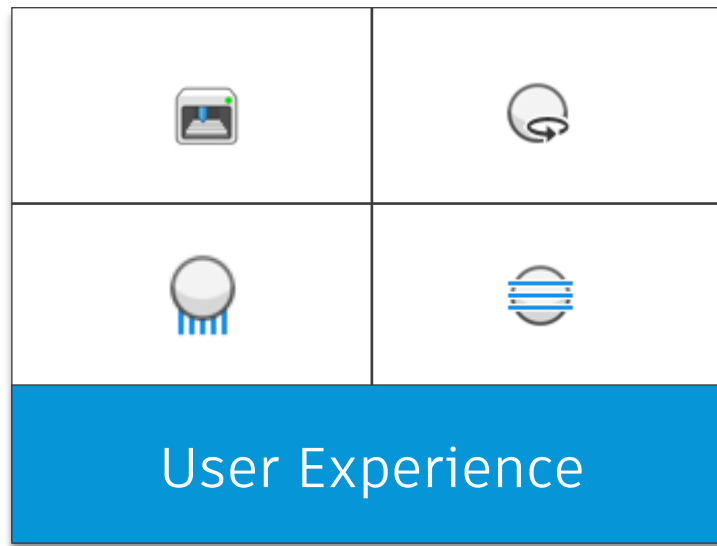


Netfabb 2024.0 Release Highlights



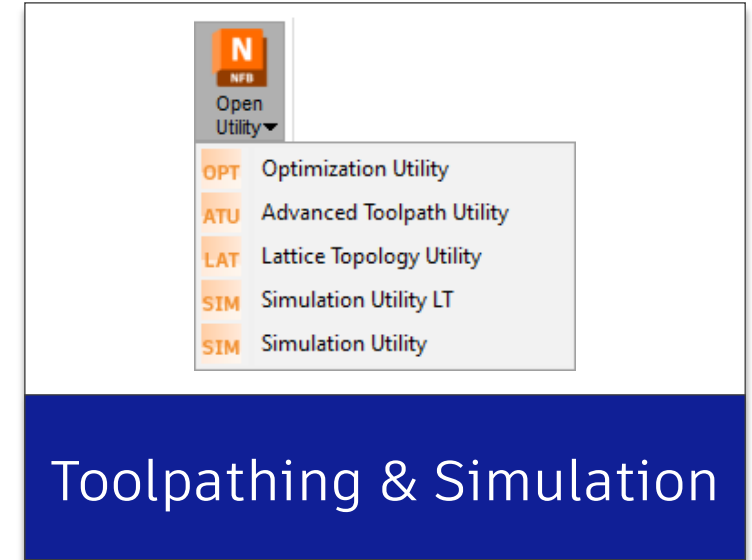
Machine Integration

- HP
- LuxCreo
- Trumpf
- Mimaki
- Desktop Metal
- ETEC
- Structo



User Experience

- Support Structure Improvements
- Base Setter
 - Bracing / Grouping for Bars
 - Settings visibility updates
 - Section titles
- Texture library



Toolpathing & Simulation

- Advanced Toolpath Utility improvements
 - Process multiple parts at the same time
- Simulation Utility improvements
 - New PRMs for EOS, Renishaw, and SLM Solutions machines
 - Enhanced accuracy of Lack of Fusion and Hotspot prediction
 - Improved Fusion integration

New Machine Integrations



**LuxCreo
iLux 8.9**



**LuxCreo
iLuxPro 8.9**



**LuxCreo
Lux 3**



**LuxCreo
Lux 3L**



**HP
Metal Jet S100**



**Desktop Metal
Production Systems**



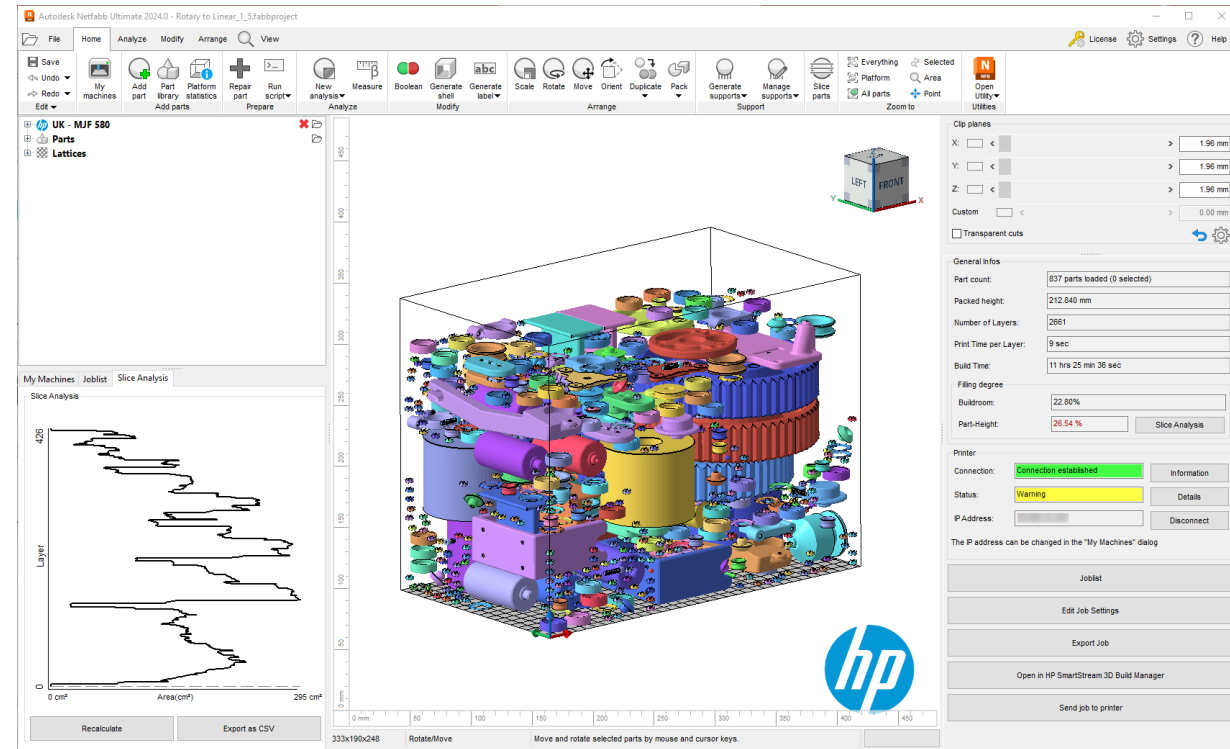
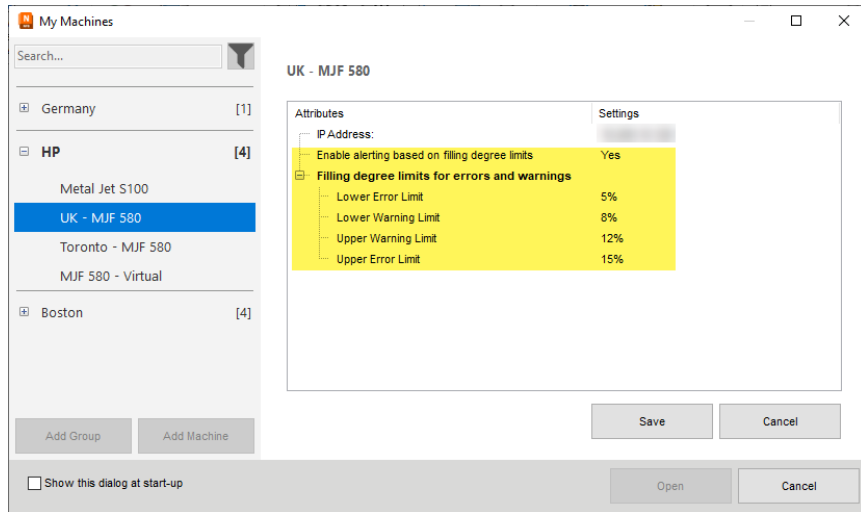
**Desktop Metal
X-Series**



**Desktop Metal
Shop Systems**



Display warnings and errors when the packing density is outside the user defined limits
Ability to display the Slice Analysis graph within the HP machine node in the browser

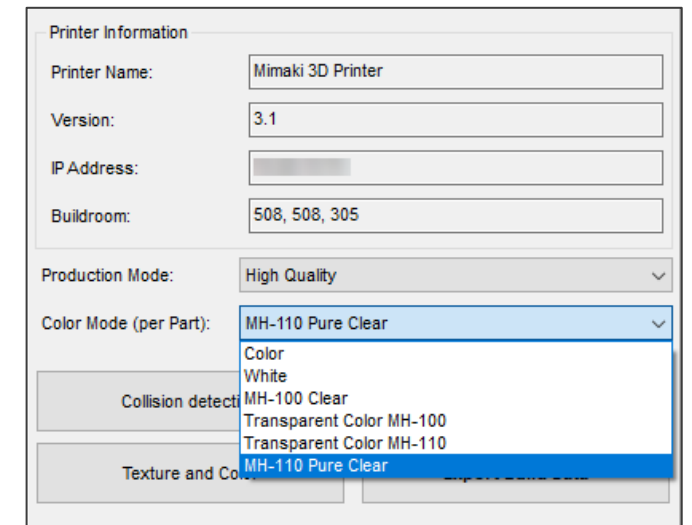
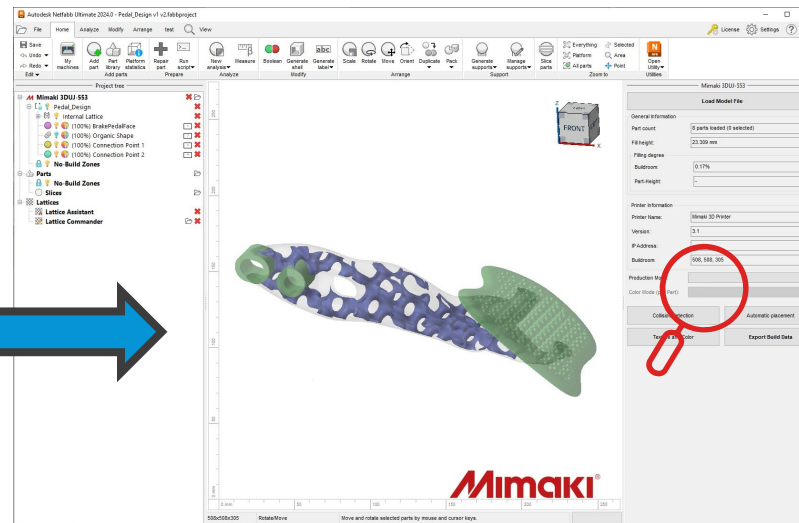
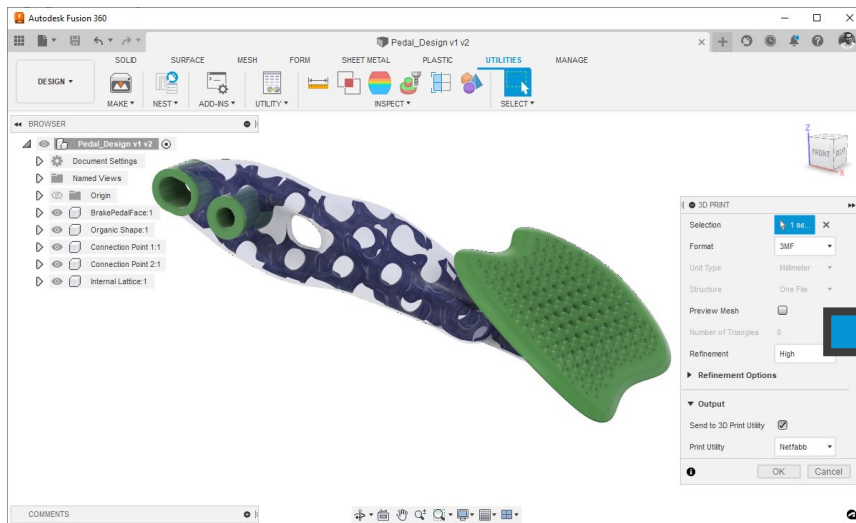


Where to find it?

- Home Tab: My Machines: select an HP machine: Edit Settings
- Home Tab: My Machines: select an HP machine: Slice analysis within the “filling degree” section

Mimaki

Per part Production mode / Color mode options have been updated based on machine availability
Added Pure clear option to Color mode for 3DUJ-553

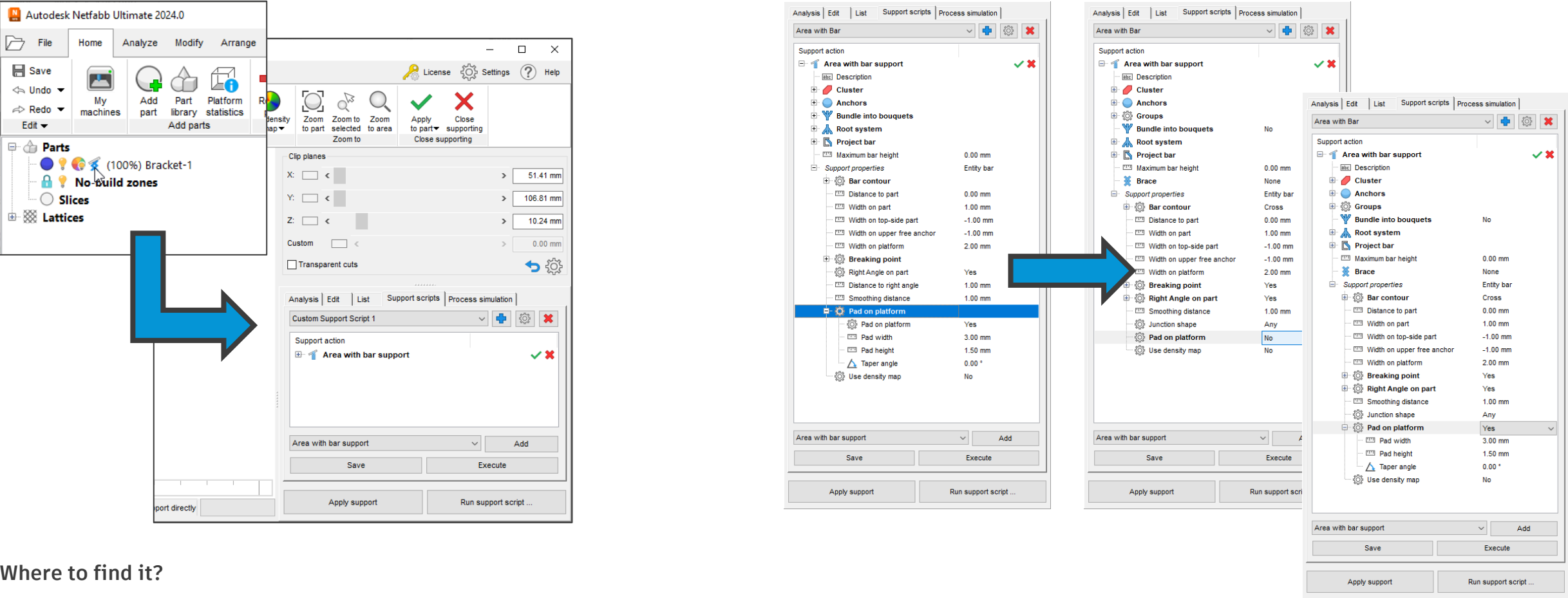


Where to find it?

- Home Tab: My Machines: select a Mimaki machine

Support Scripts usability improvements

Support action settings are displayed and editable at the top level Support Script applied is remembered during editing.

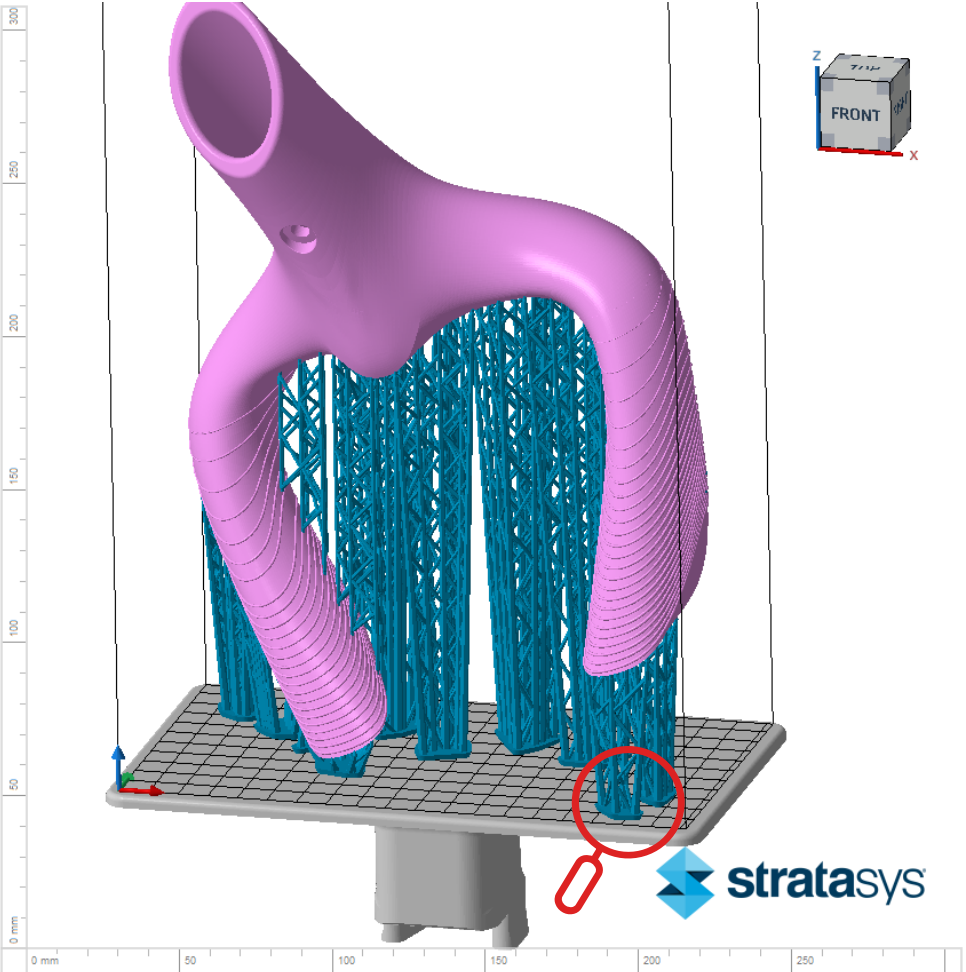
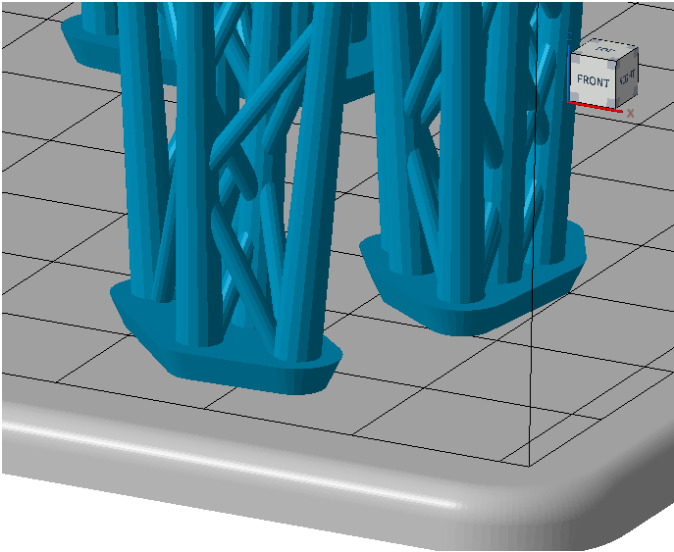


Where to find it?

- Home Tab: Generate Supports: Support Scripts: Add Modify Support Action

Support Structure Improvements

- Ability to Group Bar supports and taper them towards their center point on the platform
- Ability to add base plates specific to the grouped bar supports
- Ability to connect the trunks of bars with braces



Analysis | Edit | List | Support scripts | Process simulation

Area with Bar

Support action

- Area with bar support ✓✗
 - Description
 - Cluster
 - Anchors
 - Groups
 - Bars per group: 10 #
 - Group taper: 50.00 %
 - Baseplate for group
 - Baseplate for group: Yes
 - Pad height: 2.00 mm
 - Contour offset: 2.00 mm
 - Taper angle: -25.00 °
 - Bundle into bouquets
 - Root system
 - Project bar
 - Maximum bar height: 0.00 mm
 - Brace
 - Type: K
 - Links per bar: 4 #
 - Link angle: 60.00 °
 - Junction shape: Any
 - Support properties: Entity bar

Area with bar support Add

Save Execute

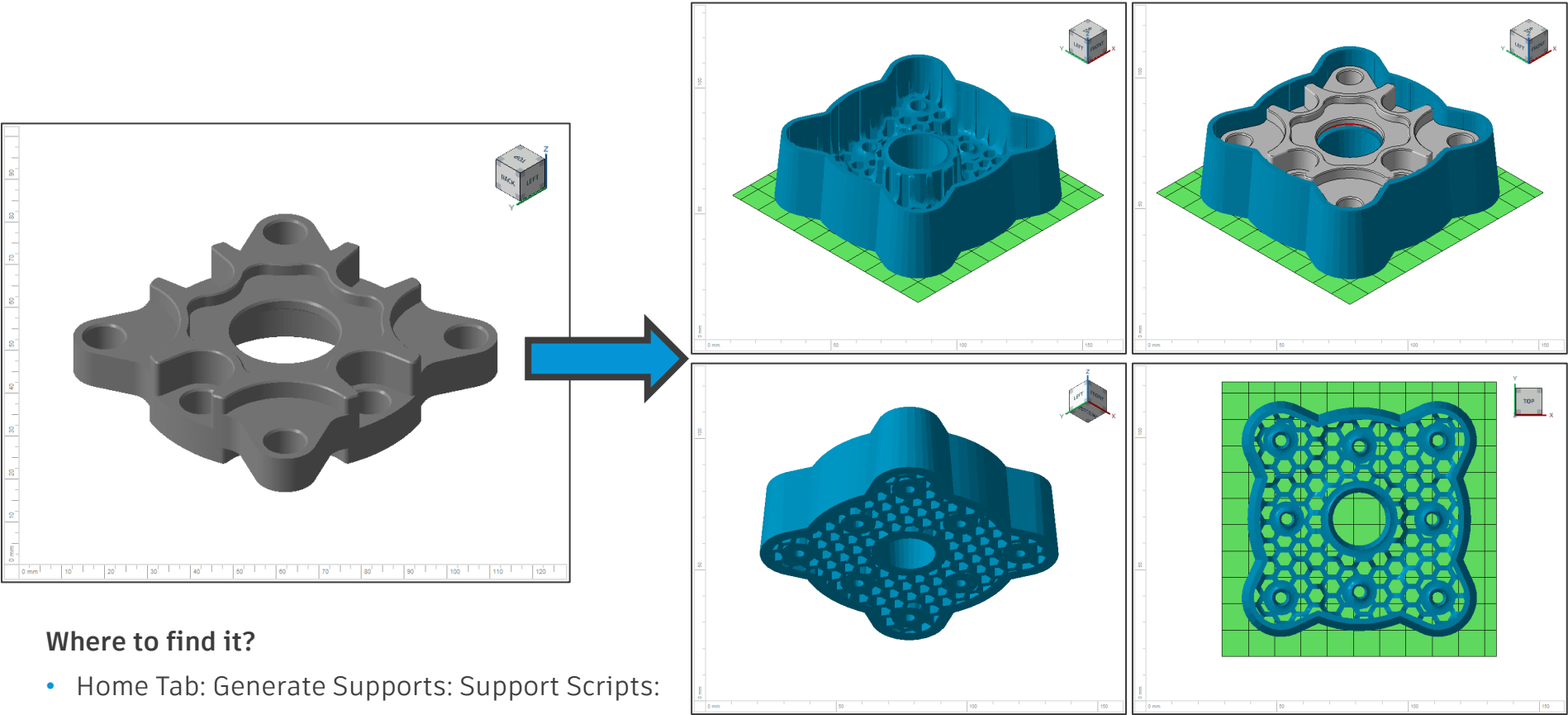
Apply support Run support script ...

Where to find it?

- Home Tab: Generate Supports: Support Scripts:
 - Add Area with Bar Support Action

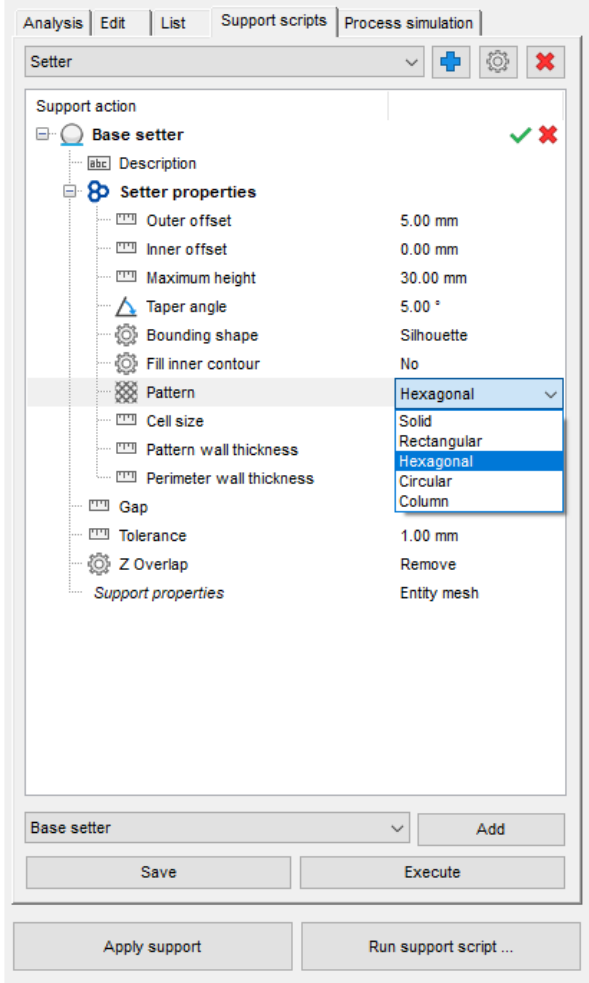
Support Structure Improvements

Ability to add setter supports to stabilize parts during the sintering process



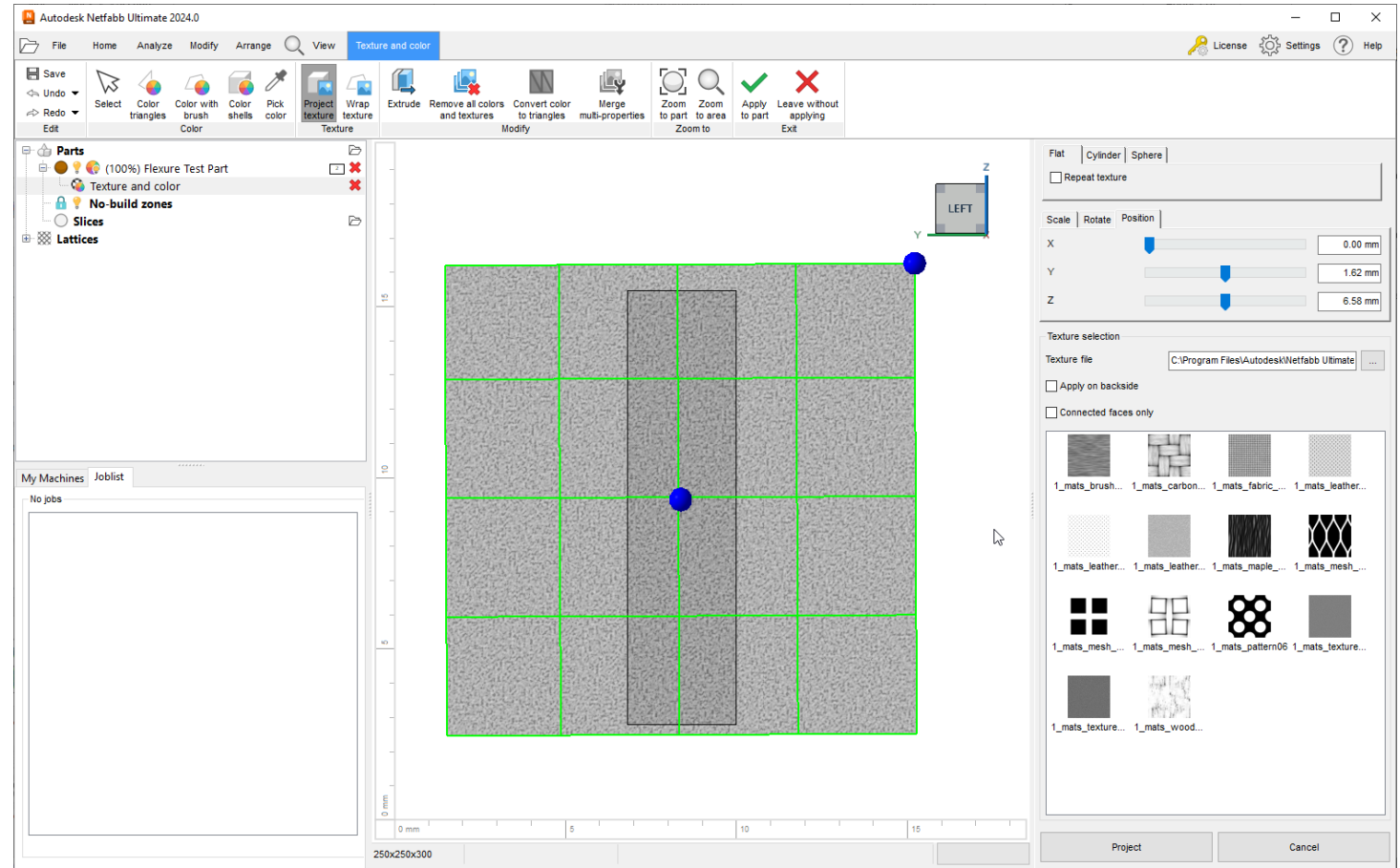
Where to find it?

- Home Tab: Generate Supports: Support Scripts:
 - Add Base Seter support action



Texture library

Texture and Color module includes 14 standard textures to project on to parts



Where to find it?

- Home Tab: Modify: Enhance panel: Texture and color
- Texture and Color Tab: Texture panel: Project Texture

Netfabb Simulation 2024.0 Release Highlights



Renishaw (AM250, AM400, 500M, & 500Q)

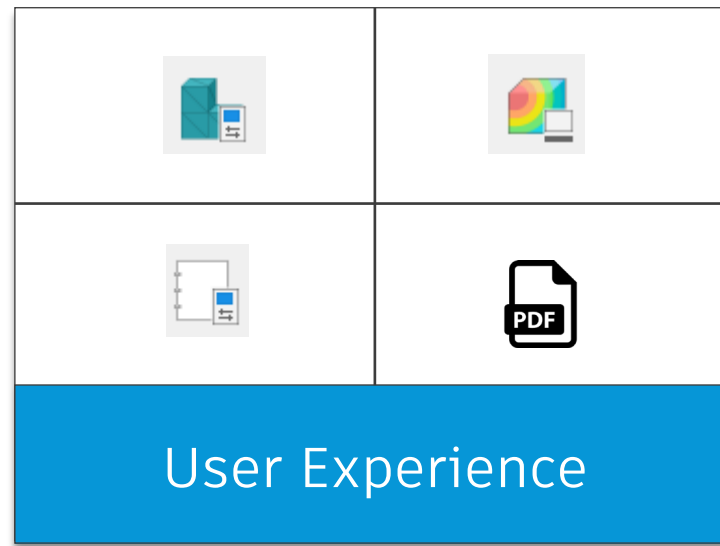
- 316L Stainless Steel
- AlSi10Mg
- CoCr
- Inconel 625
- Inconel 718
- Ti-6Al-4V

EOS (M290)

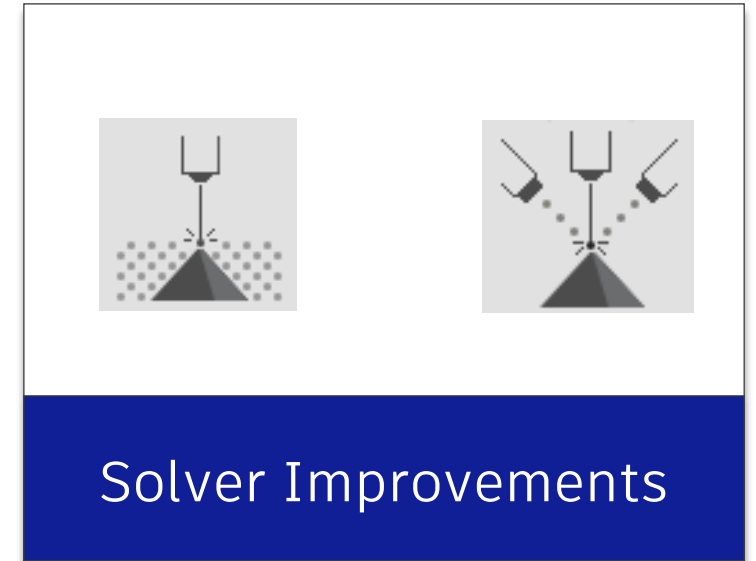
- 17-4 PH
- Inconel 625
- Inconel 718
- Ti-6Al-4V

Kurtz Ersa (Alpha140)

- AlSi10Mg



- Import STEP Files
- Import 3MF files from Fusion 360



- Access to the new and efficient result compression via command line.
- More accurate PRMs for Lack of Fusion and Hot Spot results
 - Enhanced melt-pool temperature calculations via new conductivity scaling.
 - This allows for more accurate prediction of thermal failure modes

Have questions?



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