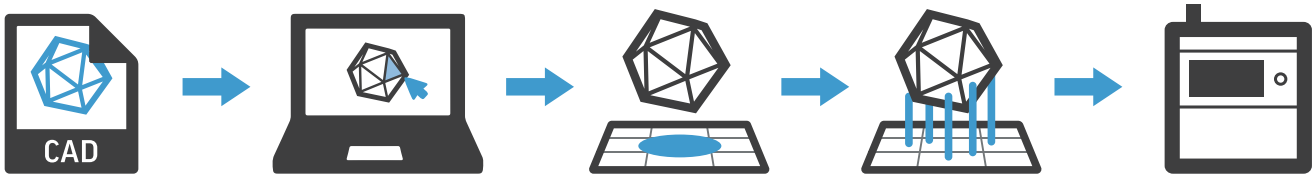
3D Sprint® PRO

Go Pro with Your Workflow

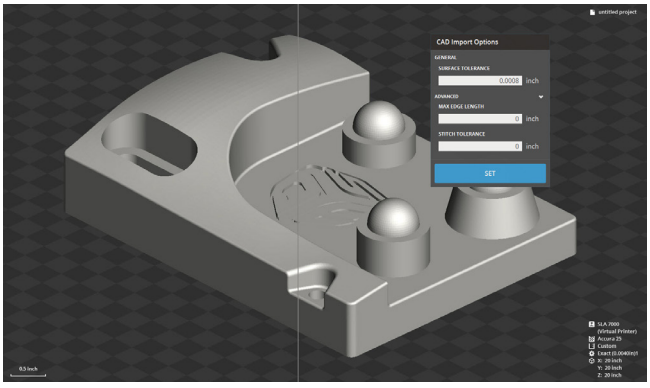


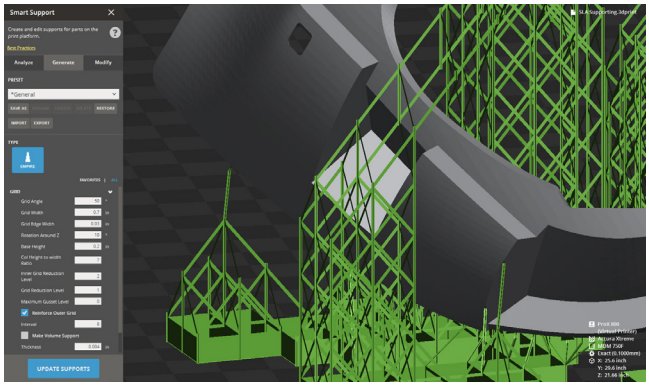
Facilitate File Preparation
– Native CAD Import

In addition to all formats supported by 3D Sprint, 3D Sprint PRO supports direct import of native CAD files from the industry's leading CAD systems while applying high quality conversion and tessellation control. As a result, 3D Sprint PRO greatly reduces the need for file repair and fixing, shorten the file preparation time and facilitates the design to print process.

Enhance Manufacturing Efficiency
- Finely Tune Supports

Improve printed part quality and minimize print time and material usage with optimized pre-set profiles accompanied by full range of structure and anchor point extraction parameters. Optimization of support structures as enabled by 3D Sprint PRO enhanced capabilities is an important element for overall production efficiency.



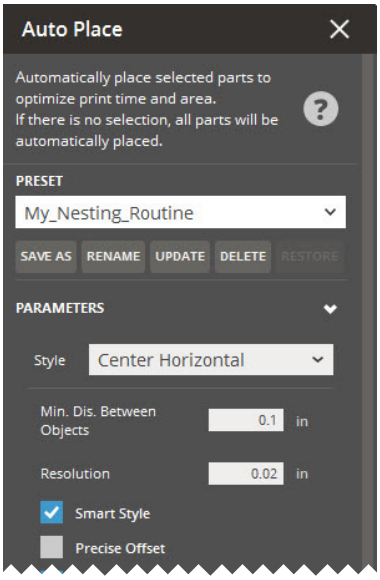


Available in 3D Sprint:
STL, CTL, OBJ, PLY, ZPR, 3D Systems, FBX, IGES, IGS, STEP, STP, MJPDDD

Available only in 3D Sprint PRO:
ACIS, CATIA, Creo, SolidWORKS, VDA-FS

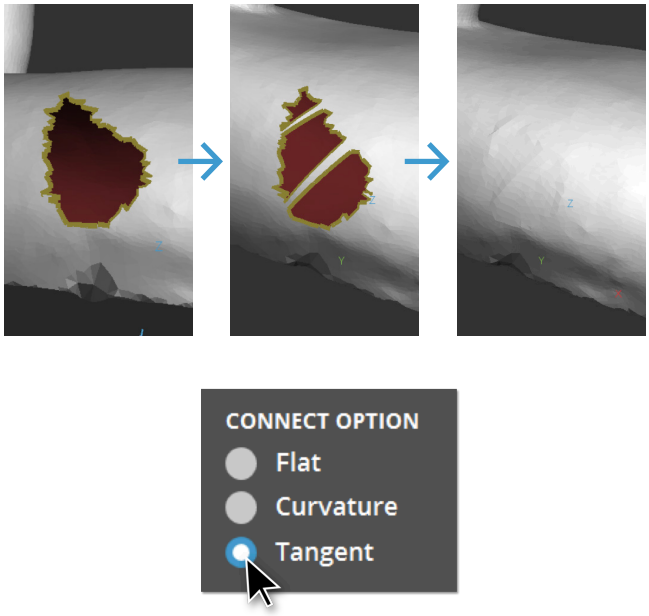
Increase Productivity
- Auto Placement

The comprehensive auto placement tool includes the ability to save custom placement routines for later, and extends the available nesting options for any 3D Systems print engine. Better leverage the printer volume for the most efficiency. Reduce or eliminate the need for manual part placement to save significant time & productivity.



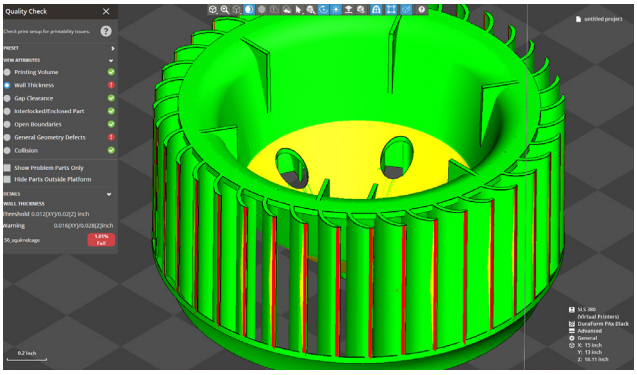
Reduce the Need for Additional Software
– Trusted Polygon Editing and Repair

Embedded Geomagic™ Polygon technology enables to easily apply necessary edit and repair operations on 3D scanned data without requiring additional software for that. Users now have more control over polygon selection and deletion, as well as manual hole bridging, and filling with edge constraints, fine tuning the continuity of the results.



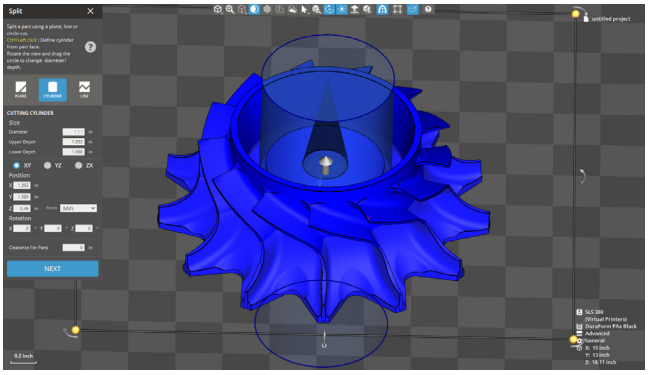
Accelerate Analysis
- More Criteria, Faster Feedback

Expedite engineering discovery with customizable printability criteria to build the quality check that best suits your unique process. The modeless quick measure tool offers uninterrupted dimensional analysis during any command. Find additional viewing options to isolate critical components. 3D Sprint Pro offers numerous ways to shorten the engineering feedback loop.



Applications-Driven Features
- Extend Your Options in Part and Build Prep

Master your additive manufacturing workflows with practical features that are designed with real 3D Printing challenges in mind. Find extended feature sets across the 3D Sprint Pro part modification and build preparation commands to handle more & maximize local problem resolution.



Feature Comparison
– All Printers

Data Import	BASIC	PRO
Open/Save/Merge .3dprint project files	✓	✓
Mesh	✓	✓
Standard CAD formats	✓	✓
Proprietary CAD formats		✓

Part Preparation	BASIC	PRO
Part check on import	✓	✓
Transform parts	✓	✓
View cross-sections of the part	✓	✓
Auto-fix parts (bad edges, open boundaries, self-intersections)	✓	✓
Reduce the mesh	✓	✓
Add measurements to parts	✓	✓
Align/space parts	✓	✓
Mirror parts	✓	✓
Offset surfaces on the part	✓	✓
Hollow parts to reduce material usage	✓	✓
Thicken surfaces on the part	✓	✓
Split the part so that it fits on the platform	✓	✓
Extrude surfaces on the part	✓	✓
Boolean parts	✓	✓
Generating geometry	✓	✓
Delete subparts	✓	✓
Combine subparts into one part; separate subparts from the part	✓	✓
Project image as textureon the part	✓	✓
Engrave text or drawing on the part	✓	✓
Export parts	✓	✓
Remember and reset part size/ position	✓	✓
Quick measure		✓
Editable split line and cylinder cuts		✓
Manual part-fixing tools (fix holes, delete faces)		✓

Build Preparation	BASIC	PRO
Printer configuration	✓	✓
Manage printer configurations (create, save, load)	✓	✓
Consolidate parts for printing i.e. import .3dprint project file	✓	✓
Printability check	✓	✓
Default autoplacement	✓	✓
Make copies of part	✓	✓
Manual positioning of parts on the platform	✓	✓
Sends builds to the printer	✓	✓
Access to virtual printers	✓	✓
Orient the parts manually as desired	✓	✓
Auto orient (optimize print time or quality or supports)	✓	✓
Set autoplacement parameters to fit parts on the platform	✓	✓
Make a linear pattern of parts	✓	✓
Holes	✓	✓
Build time estimation to plan print jobs	✓	✓
Material estimation	✓	✓
Report	✓	✓
Print to file	✓	✓
Custom views	✓	✓
Import/export transforms		✓
Retain hole plugs		✓
Customize printabilty check parameters		✓

Print Queue	BASIC	PRO
View status of all connected printers	✓	✓
Add/delete job to/from a printer's queue	✓	✓
Reorder jobs in the printer queue	✓	✓
Start/pause/cancel job (wherever supported)	✓	✓
Check material cartridge status (where supported)	✓	✓
Get build reports	✓	✓

Feature Comparison – SLS

Build Preparation SLS	BASIC	PRO
Enclose small parts in a cage for easy retrieval	✓	✓
User-defined cage	✓	✓
Scale and offset parameters for each part	✓	✓
Part accuracy wizard to print accurate parts	✓	✓
Create build styles for the part and platform for the print setup	✓	✓
Scan order	✓	✓
Layer time estimate	✓	✓
Preview slices	✓	✓
Advanced auto place options		✓
Cage customer auto place subroutines		✓
Create struts		✓
Create stilts		✓

Feature Comparison – Figure 4

Build Preparation Figure 4	BASIC	PRO
Auto supports	✓	✓
Stacked arches (NextDent 5100)	✓	✓
Create struts	✓	✓
Create stilts	✓	✓
Edit supports	✓	✓
Support parameters to optimize supports	✓	✓
Create build styles for the print setup	✓	✓
Part accuracy wizard to print accurate parts	✓	✓
Dental hollow (NextDent5100)	✓	✓
Industrial stacking	✓	✓
Import supports	✓	✓
Advanced auto place options		✓
See the support point categorizations		✓
Highlight the support top intersections in their own view filter		✓
Edit anchors with polyline, lasso, box, edge		✓

Feature Comparison – SLA

Build Preparation SLA	BASIC	PRO
Preview/view slices	✓	✓
Auto supports	✓	✓
Edit supports	✓	✓
Support parameters to optimize supports	✓	✓
Create build styles for the print setup	✓	✓
Create recoat styles for the print setup	✓	✓
Recoat templates	✓	✓
Vent drain (for QuickCast styles)	✓	✓
Editable layer thickness	✓	✓
Accuracy wizard	✓	✓
Import supports	✓	✓
Create struts to reinforce supports	✓	✓
Create stilts to reinforce supports	✓	✓
Advanced auto place options		✓
Edit anchors with polyline, lasso, box, edge		✓
More support parameters to optimize supports		✓
See the support point categorizations		✓
Highlight the support tip intersections in their own view filter		✓

Feature Comparison – MJP

Build Preparation MJP	BASIC	PRO
Multi-material assignment for individual shells of a part (5500, 5600)	✓	✓
Infill the part with a lattice to reduce material usage (2500, 5500, 5600)	✓	✓
Vent drain (2500, 5500, 5600)	✓	✓
Accuracy wizard to print accurate parts (2500)	✓	✓
Advanced auto place options		✓
Create struts		✓
Create Stilts		✓

3D Systems provides comprehensive 3D products and services, including 3D printers, print materials, on-demand parts services and digital design tools. Its ecosystem supports advanced applications from the product design shop to the factory floor to the operating room. As the originator of 3D printing and a shaper of future 3D solutions, 3D Systems has spent its 30 year history enabling professionals and companies to optimize their designs, transform their workflows, bring innovative products to market and drive new business models. Specifications subject to change without notice. 3D Systems, Geomagic and the 3D Systems Logo are trademarks of 3D Systems, Inc. All other trademarks are the property of their respective owners.

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