



3D Sprint™

Version 2.10

Advanced Beta Functions

Feature	Beta Mode Functionality	Supported Printers
Materials	Beta Mode exposes Support and Air types in the material pallet for 2500 and 5X00 Printers. Parts can now be assigned something other than real part material.	MJP 2500 and 5X00 Series Printers
Add Part	Add Part is an alternative way to position and orient “tool” parts onto “target” parts using a mating surface method and relative transforms. Tool parts can also have their material property set to “air” now, when this is set, part booleans are performed at slice time.	MJP Printers
Infill → Lattice	Beta Functionality enables 10 additional lattice cell structures to pick from.	MJP Printers
Surface Displace	Surface Displace is a method of applying physical surface texture to parts without requiring computationally intensive modeling operations usually associated with baking a texture into part geometry. This function can be applied to models which have a color texture layer, and works best when the texture layer is greyscale.	MJP Printers
Smart Supports	Additional parameters have been made available for more fine control over the analysis, placement and generation of support structures.	SLA Printers
Texture Region Detection	An additional option is available in Smart Supports that allows the detection and exclusion of textured regions when creating supports.	SLA and DLP Printers
'Large (Beta)' Support Style	A new Large support style will be available in the Smart Supports command when Advanced Beta mode is enabled.	SLA Printers
Auto-Placement	Our full range of Auto-placement parameters have been exposed. New features are available such as Placement strategy, Priority setting & Rotation control. Auto-place also gains a Presets dialog so the parameters can be maintained locally, exported, imported etc.	All Printers
Fix	Manual Fix is now available with advanced polygon selection and editing tools, including hole filling and bridging.	All Printers
CAD I/O	Native CAD vendor formats are now available as an import option.	All Printers

Advanced Beta Functionality will only be available until June 30th 2019*

*: When the Advanced Beta Functionality expires or is disabled all new functions will be disabled and existing functions will revert to their officially released functionality. However, changes made to parts will be retained even after the Beta is no longer active.

To activate the Advanced Beta Functionality in 3D Sprint:

1. Open **Preferences** → **Beta Features**.
2. Toggle the **'Enable Beta Features'** option.
3. Enter your name and email address.
4. Click **Set**.

You will now be able to access the Beta Features in 3D Sprint.