

ProJet[®] MJP 5500X-E & 5600

Professional 3D Printers



Release Notes

ProJet[®] MJP 5500X-E and 5600 firmware version 7.1.9663
3D Sprint Software 2.7.54

Firmware: [ProJet® MJP 5500X-E and 5600 firmware version 7.1.9663](#)

3D Sprint Software: [2.7.54](#)

Release Date: November 2017

1 INTRODUCTION

We are proud to announce the new printer firmware versions 7.1.9663 and 3D Sprint Software 2.7.54.

For more help and information, please visit the [Software Downloads](#) tab located in the Product Information Center.

2 NEW FEATURES

NOTE: Infills and SLC description below came from 3D Sprint 2.7 release notes

Shells and Infills

- The new infill command can be used to create offset shells and apply infill lattices for reducing weight and cost of parts. This includes a new vent and drain creation for the draining of excess material.

Enhanced SLC support

- All MJP printers now support SLC files and allowing per per-object material assignment for the ProJet® MJP 5500X-E and 5600 printers. It also allows both SLC and mesh objects on a single platform.

Print Thru MCO

- Compatible (generally, within material family) part material cartridges can be swapped without going through the standard MCO. This will save time and reduce part material waste due to standard MCO.

UI Error Codes

- All printer errors are assigned with a unique error code for easier troubleshooting and better reporting.

3 SMP1 BUGFIXES

Improvements and Changes

This section lists the improvements, changes and bugfixes included in the SMP1 7.1.9663

- Fixed SW hangs when recovering from MCO aborts during MCO cleaner stage.
- Drop mass, test print and saber angle test prints successfully right after XHD build jobs.
- Printer CSV logs include part fan and exotherm fan states.
- The build report shows correctly the lane counts, layer counts, serial number and SW version.
- Disabled standby and conserve modes when printer runs out of material to allow customers replace support bottles easily.
- The search algorithm for the print head norm is improved.

- New SW controls for heater electronics to prevent blown fuses that causes waste tank fatal errors.
- Improved UI messages to differentiate and show better the warming up and ready states.
- Improved material estimation for the 9 blends in UHD and XHD build modes.
- Improved email alerts for job aborts and cartridge status.
- Added printer name and SW version in the test email alert.
- Removed obsolete sensor support and build modes in Remote Diagnostics.
- Fixed SW hangs during post cure.
- Fixed tag test prints that print beyond the expected height.
- Improved detection and UI message when printer runs out of material.

4 SMP1 CAVEAT LIST

Known Issues

This section lists the known issues in SMP1 7.1.9663

- Actual material usage for tag test, drop mass and aborted jobs is listed as 0 kg in the build report.
- Single build mode jobs will only print and use upper MDM first when both upper and lower MDMs have the same materials. Otherwise, the job will not start when upper MDM bottles are empty.
- UI job re-print feature will not work when the last job encounters a fault condition.
- UI job copy feature will encounter a timeout error prompt when copying very large jobs. The copy feature still works and the user just needs to close the error prompt.
- Build report feature picked up more printer and job info. Users will see 2 sections of the build report containing the old and new format and data.



3D Systems, Inc.

333 Three D Systems Circle | Rock Hill, SC | 29730

www.3dsystems.com

©2017 3D Systems, Inc. All rights reserved