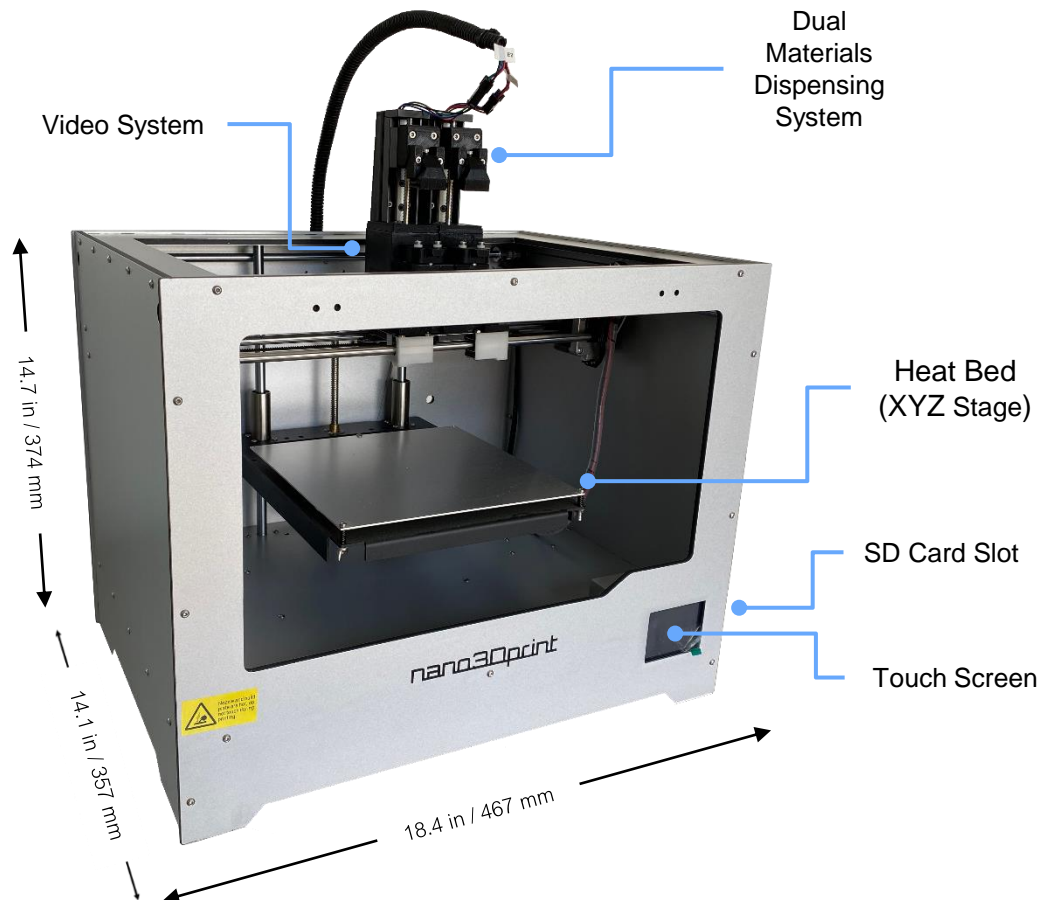


B3300 Dual-Dispensing 3D Printer Datasheet

Easily print electronics with the B3300 Dual-Dispensing 3D Printer. This versatile, reliable, and user-friendly printer is desktop-sized and features dual proprietary materials dispensing systems to handle functional inks and pastes side-by-side. Print with functional inks and pastes (Au, Ag, Cu etc.).

The high-precision, ultra reliable positive displacement print head is capable of precisely metering functional inks with viscosities ranging from 1mPa·s to 54000 mPa·s. The Dual-Dispensing System can print with inks and pastes down to 8 mils (0.20mm) trace width.



Specifications

FEATURES

| | |
|-----------------------------------|--|
| Extrusion | Side-by-side Dual Materials Dispensing System (Extruder 1 and 2) |
| Continue Printing After Power Cut | Yes |
| Connectivity | Direct print with SD card using full-color touch screen (recommended); Flash Drive |

SOFTWARE

| | |
|------------------|--|
| Compatible with | Simplify3D, Repetier-Host, Cura, Makerware, etc. |
| File Format | STL, GCODE, OBJ, DAE, AMF, BMP, JPG, JPEG, PNG |
| Operating System | Windows, Mac, Linux |

DUAL MATERIALS DISPENSING SYSTEM

| | |
|-------------------|--|
| Syringe Size | 3 ml |
| Nozzle Size | 14 to 30 Ga (1.6 mm to 150 µm) Higher Resolution Available: 32 Ga, 34 Ga |
| Materials Support | Functional Pastes and Inks, Conductive Paints, Fast Drying Solvent Based Inks, Silver Nano-Particle Inks, Graphene solutions, and much more... |

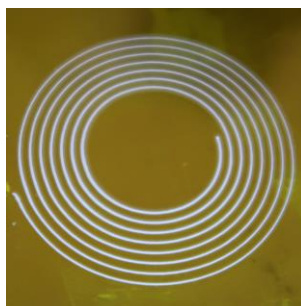
BUILD

| | |
|---------------------------|--|
| Build Volume | 214 x 186 x 160 (mm) 8.4 x 7.3 x 6.3 (in) |
| Stage Material | Removable Glass Heated Bed |
| Printing Layer Height | ≥ 0.02 mm |
| Positional Accuracy | XY axis: 0.11 mm Z axis: 0.0025 mm |
| Max. Nozzle Flow Rate | 15 cc/hour |
| Max. Axis Moving Speed | 125 mm/s |
| Max. Heat Bed Temperature | 100°C |
| Machine Dimensions | 467 x 357 x 374 mm |
| Machine Weight | 13 kg (28.66 lbs.) |

Circuit printed with silver ink on a fiberboard.



Silver Paste Coil on Kapton



Print with inks and pastes down to 8 mils (0.20mm) trace width.

