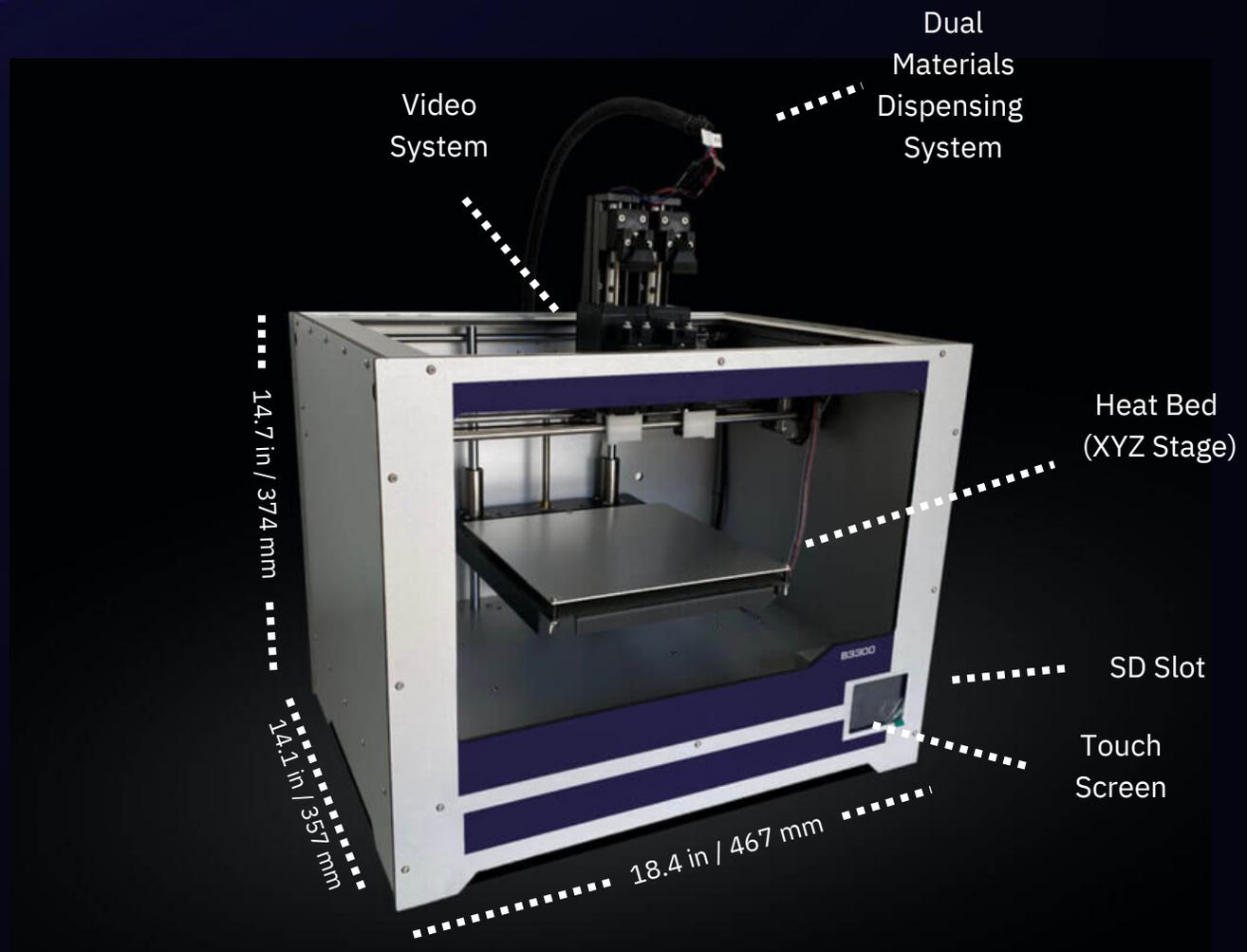


B3300 Dual-Dispensing 3D Printer Datasheet

3D print electronics with embedded circuitry from your desk. The B3300 Dual-Dispensing 3D Printer features dual proprietary materials dispensing systems to handle functional inks and pastes side-by-side. Use materials such as conductive inks (Au, Ag, Cu, etc.), medical-grade silicone, polyurethane rubber and plastics, rigid and flexible urethane foams, epoxies, and UV-curable polymers.

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 and space width. The tolerance is $\pm 5\%$ (for example, $\pm 10 \mu\text{m}$ at 8 mils over a 5 cm trace length). Our direct-write technology allows you to achieve accuracy in layer height, surface finishing, tolerance, and roundness. Attain a 200-micron resolution or 100-micron resolution with specialty nozzles.



B3300 Specifications



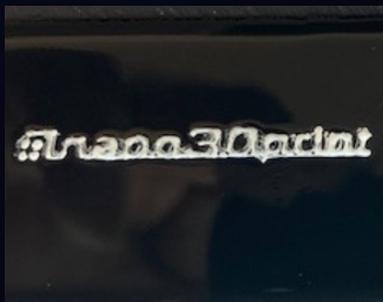
| FEATURES | |
|-----------------------------------|--|
| Dispensing | Side-by-side Dual Materials Dispensing System (Dispensing Position 1 and 2) |
| Continue Printing After Power Cut | Yes |
| Connectivity | Direct print with SD card using full-color touch screen (recommended); Flash Drive |

| SOFTWARE | |
|------------------|--|
| Compatible with | Simplify3D, Repetier-Host, Cura, Makerware, etc. |
| File Format | STL and GCODE |
| Operating System | Windows, Mac, Linux |

| DUAL MATERIALS DISPENSING SYSTEM | |
|----------------------------------|--|
| Syringe Size | 3 ml |
| Nozzle Size | 14 to 30 Ga (1.6 mm to 150 μ m) Higher Resolution Available: 32 Ga, 34 Ga, 100 μ m |
| Materials Support | Functional Pastes and Inks, Conductive Paints, Fast Drying Solvent Based Inks, Silver Nano-Particle Inks, Graphene Solutions, Silicone, Resin, and 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 | 0.05-0.3mm |
| Positional Accuracy | XY axis: 0.011 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.) |

Silver Paste on Silicone



Silver Paste Coil on Kapton



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

