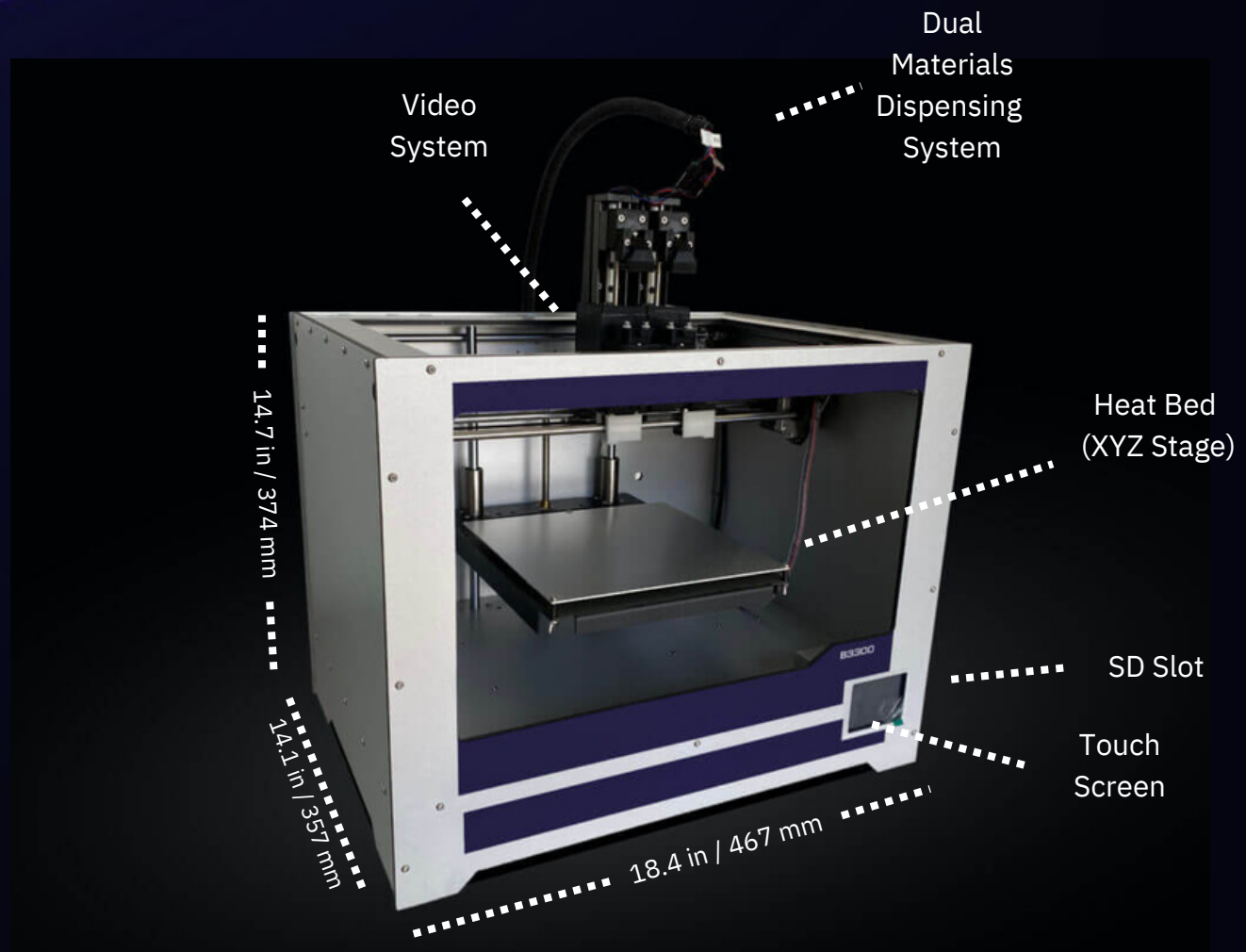


## B3300 Dual-Dispensing 3D Printer Datasheet

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.



# B3300 Specifications



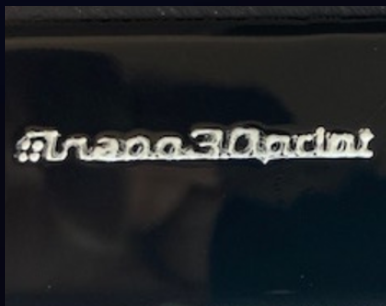
FEATURES	
Dispensing	Side-by-side Dual Materials Dispensing System (Dispensing Position 1 and 2)
Continue Printing After Power Cut	Yes
Connectivity	Direct print with SD card using full-color touch screen (recommended); Flash Drive

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

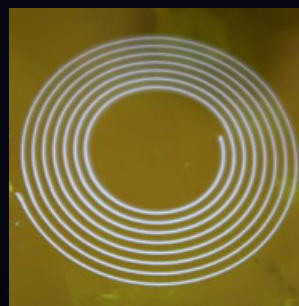
DUAL MATERIALS DISPENSING SYSTEM	
Syringe Size	3 ml
Nozzle Size	14 to 30 Ga (1.6 mm to 150 $\mu$ m) Higher Resolution Available: 32 Ga, 34 Ga
Materials Support	Functional Pastes and Inks, Conductive Paints, Fast Drying Solvent Based Inks, Silver Nano-Particle Inks, Graphene Solutions, Silicone, Resin, 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: 0.11 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.)

Silver Paste on Silicone



Silver Paste Coil on Kapton



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

