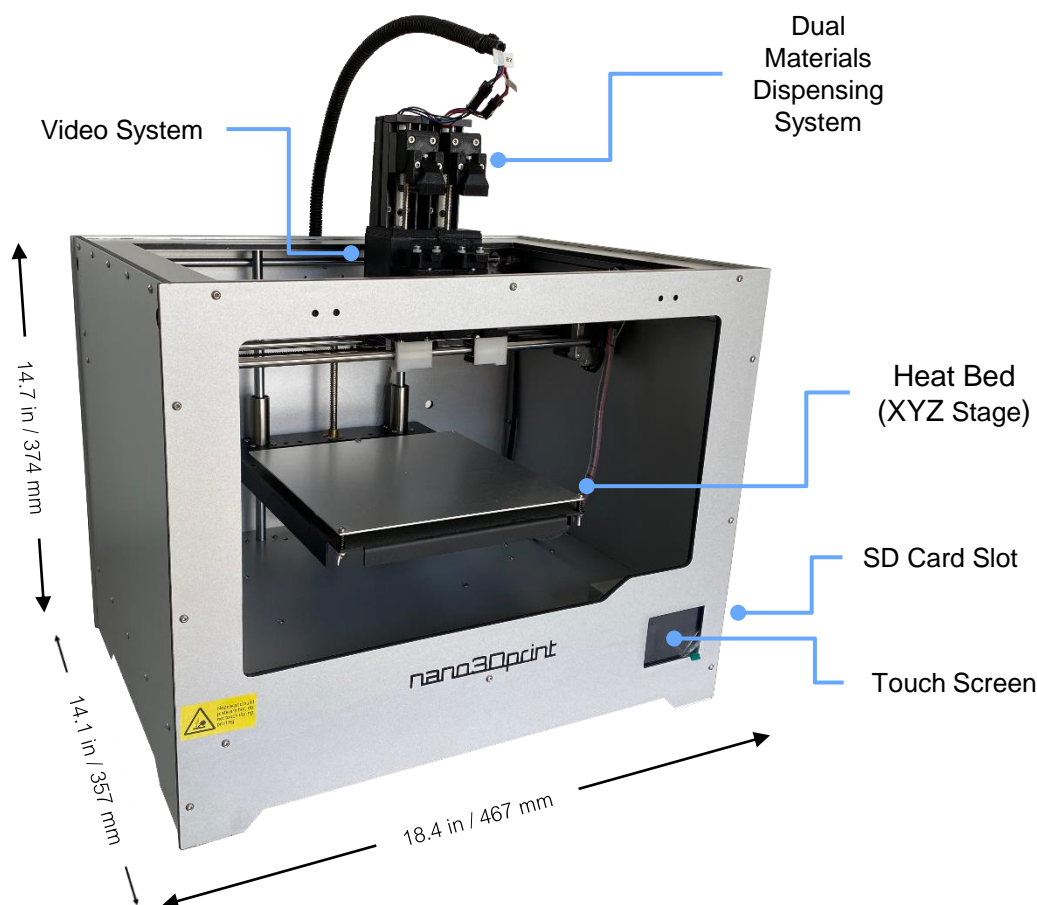


Dual Ink System Datasheet

Easily print electronics with the Dual Ink System 3D multi-materials 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 Ink 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 μ 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, 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	\geq 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.)

