FORTIFY

FLUX ONE PRINTER SPECIFICATIONS

BUILD VOLUME	8 in (x) x 4.5 in (y) x 13 in (z) 203.7 mm x 114.6 mm x 330 mm
RESOLUTION	
Z (layer height)	25 - 250 µm
XY (pixel pitch)	75 µm
ELECTRICAL REQUIREMENTS	208 VAC 50/60 Hz three-phase 20 A breaker
DIMENSIONS	
Installed Size	22.8 in (W) x 33.4 in (D) x 70/81 in (H) door closed/open 579 mm x 848 mm x 1727/2032 mm
Minimum Spacing	Minimum ceiling height: 82 in (2083 mm) Sides: 1 in (25.4 mm) Back: 10 in (254 mm)
WEIGHT	500 lbs (226.8 kg)
VENTILATION	Carbon / Hepa filter
PRINT MATERIALS	A range of reinforced resins qualified by Fortify. Open platform when used with Fortify Flux Developer.
CONTROL	10” LCD touch screen display
CONNECTIVITY	USB, Wi-fi, Ethernet

HVAC THERMAL LOAD	5200 BTU/hr (active), < 1800 BTU/hr (idle)
MAGNETICS	
Flux density within 6” of printer	<20 gauss
Flux density inside build area	500 gauss
CKM*	
CKM Standard Max Volume	6 L
CKM LV Max Volume	2 L
Resin Temperature in Reservoir	25 - 70 C
PROJECTOR	
Technology	Digital Light Projection (DLP)
Light Source	LED
Wavelength	405 nm standard

* CKM or Continuous Kinetic Mixing is proprietary technology built into Fortify’s FLUX ONE 3D printer that enables printing of viscous and filled polymers. The CKM module is tailored to your materials needs and comes in two options Standard (for production applications) and Low Volume (for frequent material changeover).

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FORTIFY

THE 3D PRINTER WITH FIBER ALIGNMENT FOR ISOTROPIC Z-AXIS PROPERTIES

FLUXPRINT™ Z
Z-axis fiber alignment

180 VIEWING
Easy Visibility

MATERIALS DRAWER
For fiber and resin handling

10" LCD DISPLAY
Touch Screen

DIGITAL LIGHT PROCESSING
Powerful DLP light engine

CKM™
Mixing, heating, and recirculation of resin

The **FLUX ONE** incorporates CKM and Fluxprint Z, two proprietary technologies that enable engineering additives to be incorporated and aligned for optimized performance.