



FLUX 3D 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 - 150 µm
XY (pixel pitch)	75 µm
ELECTRICAL REQUIREMENTS	208 VAC 50/60 Hz three-phase 20 A breaker
DIMENSIONS	
Installed Size	34 in (W) x 39.5 in (D) x 71.75/84.75 in (H) door closed/open // 865 mm x 1000 mm x 1820/2150 mm door closed/open
Minimum Spacing	Minimum ceiling height: 86 in (2185 mm) Sides: 12 in (305 mm) // Back: 12 in (305 mm)
WEIGHT	1000 lbs (453 kg)
VENTILATION	4" duct exhaust connection Optional: External Carbon/Hepa filtration unit
PRINT MATERIALS	Operates with a range of resins and filled photopolymers qualified by Fortify
CONTROL	10" LCD touch screen display
CONNECTIVITY	USB, Wi-fi, Ethernet

HVAC THERMAL LOAD	5200 BTU/hr (active), < 1800 BTU/hr (idle)
CKM*	
CKM Standard Max Volume	6 L
CKM LV Max Volume	2 L
Resin Temperature in Reservoir	25 - 70 C
MAGNETICS	
Flux density within 6" of printer	Up to 600 Gauss
Flux density inside build area	600 Gauss
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 CORE** 3D printer that enables printing of viscous and filled polymers. To ensure an even distribution of particles and homogeneity throughout the part, the material must be uniformly mixed and heated through the printing process. 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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THE 3D PRINTER FOR FILLED & FIBER-REINFORCED PHOTOPOLYMERS



FLUXPRINT™ 3D

3 Axes of Magnetic Fiber Alignment



180 VIEWING

Easy Visibility



MATERIALS DRAWER

For fiber and resin handling



10" LCD DISPLAY

Touch Screen



DIGITAL LIGHT PROCESSING

Powerful digital light engine



CKM™

Mixing, heating, and recirculation of resin

The FLUX 3D combines CKM technology and a robust system architecture with the ability to selectively align fibers in any orientation throughout a build. Users can tune properties to allow for designed anisotropic properties in different regions of a part for applications such as directed thermal or electrical conductance.

