

Digital Composite Manufacturing (DCM)

FLUXPRINTTM FIBER ALIGNMENT MODULE

MAGNETIC ALIGNMENT

Fluxprint is a breakthrough technology that aligns reinforcing fiber within a photopolymer resin during fabrication. Fibers undergo a propertiary treatment to make them magnetically responsive. Magnetic fields then align fibers throughout the build to optimize strength, stiffness, and other characteristics of the part. This controlled approach to fiber alignment is unprecedented in both 3D printing and traditional manufacturing.

OPTIMIZED MICROSTRUCTURES

As 3D printing applications become more demanding, users are seeking higher performing materials. Photopolymers alone cannot meet these requirements. Fluxprint combines proven fiber reinforcement strategies with high resolution DLP printing. Users can now optimize fiber orientation based on load conditions of their parts.

FLUXPRINT CONFIGURATIONS

FLUXPRINT Z



Z-axis fiber alignment integrated on the FLUX ONE printer. This field of

FLUXPRINT 360



Fortify software optimizes fiber



FLUXPRINT is one module in Fortify's DCM (Digital Composite Manufacturing) 3D printing platform. To learn more about the DCM and the hardware behind Fortify visit www.3DFortify.com

HOW IT WORKS (SEE STEPS BELOW)





510 Rutherford Ave, Suite 1, Boston, MA 02129

3DFortify.com / sales@3dfortify.com



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