

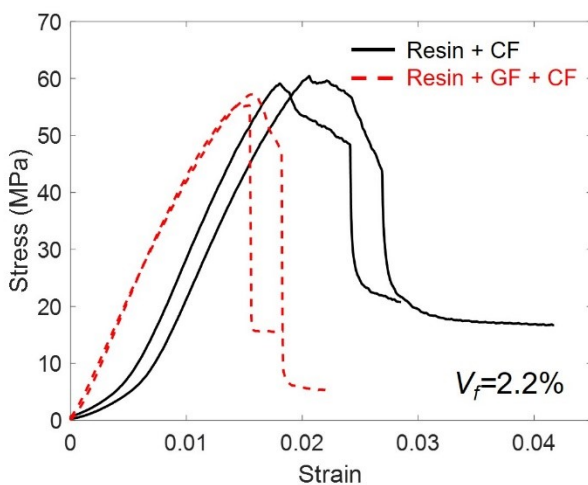
*Supplementary Materials for*

**Embedded 3D Printing of UV-curable Thermosetting Composites with Continuous Fiber**

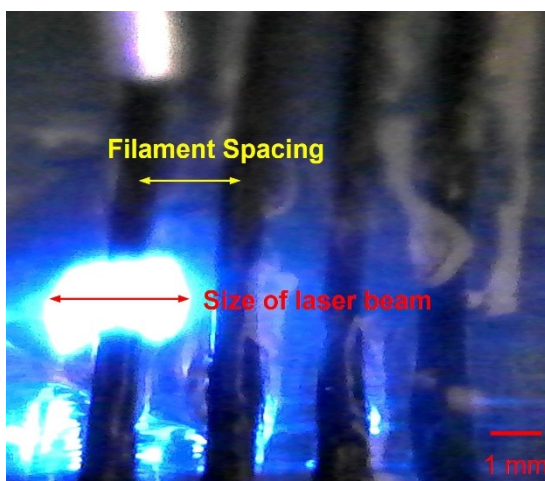
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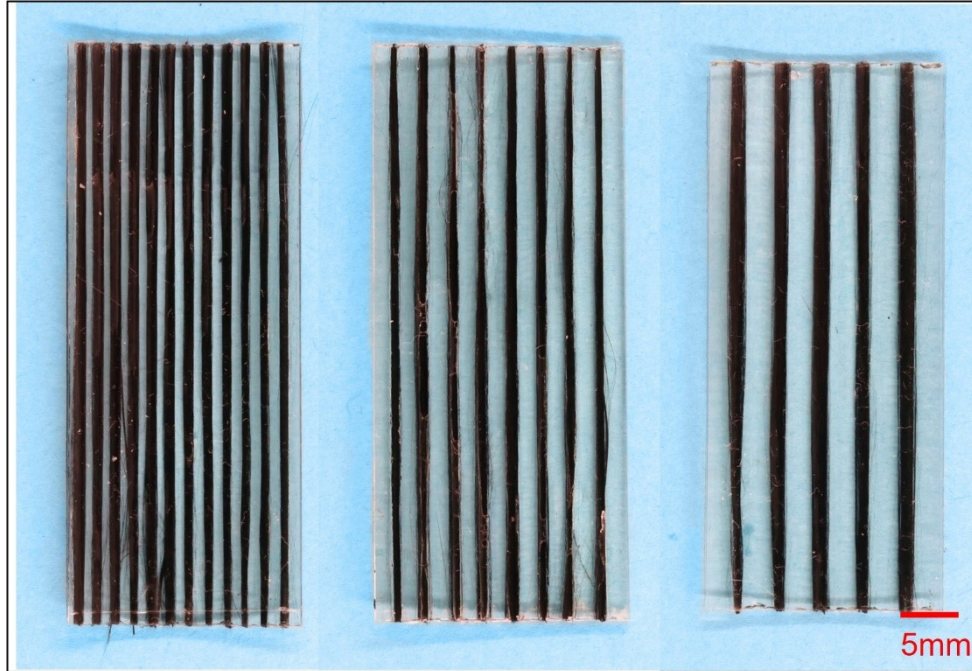
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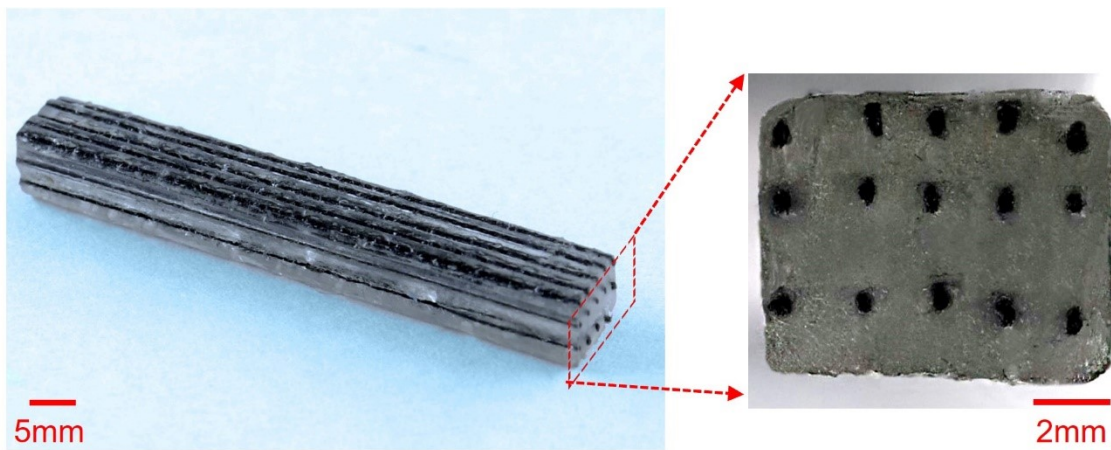
**Figure S1.** Stress-strain relationships of composite filament with and without glass fiber additives



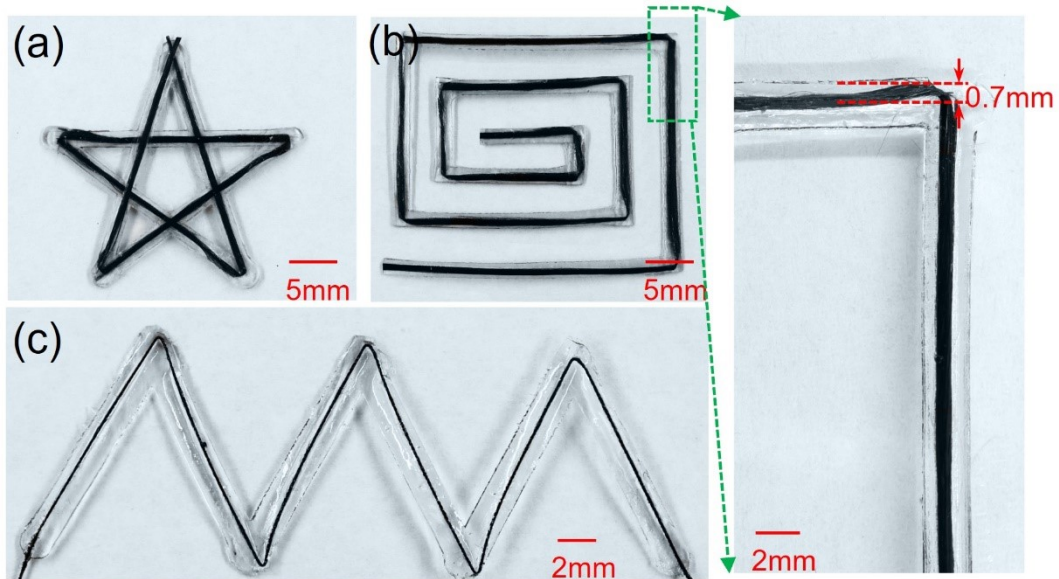
**Figure S2.** An experimental picture taken during the embedded composite printing highlighting the size of the applied laser beam and filament spacing.



**Figure S3.** Printed single-layer composite lamina with continuous carbon fiber. The different fiber volume fractions are enabled by controlling the filament spacing. From left to right, the fiber volume fractions are 9.6%, 6.0%, and 2.5%, respectively.



**Figure S4.** A three-layer composite lamina sample embedded with 2.1% continuous polyester fiber.



**Figure S5.** Printed composites that require changes in printing directions, including a (a) five-pointed star sample with carbon fiber, (b) a squared spiral sample with carbon fiber, and (c) a zig-zag sample with polyester fiber.