



Representative



Technology Education Concepts

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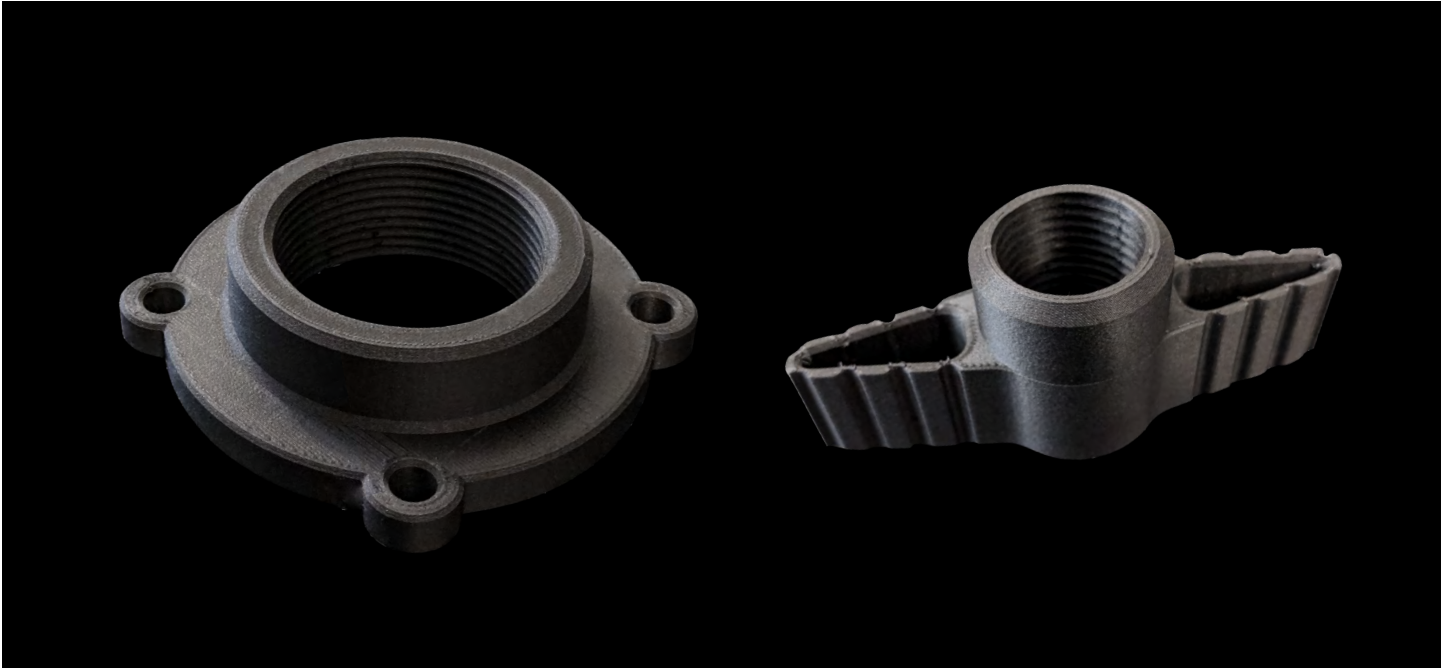


METHOD

CARBON FIBER EDITION

Replace metal parts with 3D printed Carbon Fiber on METHOD

Print carbon fiber reinforced nylon and other engineering-grade composite parts with three-dimensional strength and accuracy like never before on METHOD's unique industrial desktop platform.



STRONG, HEAT-RESISTANT METAL REPLACEMENT PARTS

Carbon fiber reinforced nylon is optimized for high strength, stiffness, and heat resistance making it ideal for structural applications and metal replacements.

- Excellent strength to weight ratio - 110 MPa TS - for lightweighting applications such as robotic end effectors
- Engineering-grade stiffness - 7600 MPa Tensile Modulus - for structural applications such as vehicular brackets and inspection gauges
- High heat resistance under load - 184°C HDT - for optimal under-hood and tooling applications

SUPERIOR NYLON CARBON FIBER PARTS WITH METHOD

METHOD's unique industrial feature set produces carbon fiber parts with superior three-dimensional strength and accuracy.

- METHOD's Heated Chamber delivers parts that are strong and accurate.
- Outstanding surface finish that hides layer lines thanks to METHOD's Ultra-Rigid Metal Frame.
- Print the most complex geometries including internal cavities with soluble support, or use breakaway support for faster print times.
- METHOD's sealed filament bays help keep the material dry, resulting in better print quality and reliability, and METHOD's pre-print spool drying feature allows for the recovery of oversaturated filament.

FEATURES

- Circulating Heated Chamber
- Includes MakerBot Composite and Support Performance Extruders
- Dry-Sealed Material Bays
- Pre-Print Material Drying
- Post-Wash Part Annealing
- Ultra-Rigid Metal Frame
- MakerBot Cloud Connected

SPECS

HEATED CHAMBER TEMPERATURE
METHOD 60°C | METHOD X 110°C

DIMENSIONAL ACCURACY
± 0.2mm / ±0.007in 1

LAYER RESOLUTION
Maximum Capability: 20 - 400 micron

BUILD VOLUME

Single Extrusion

19 L x 19 W x 19.6 H cm / 7.5 x 7.5 x 7.75 in

Dual Extrusion

15.2 L x 19 W x 19.6 H cm / 6.0 x 7.5 x 7.75 in

POWER REQUIREMENTS

METHOD

100 - 240 V

3.9A - 1.6A, 50/60 Hz

400 W max.

METHOD X

100 - 240 V

8.1A - 3.4A, 50/60 Hz

800 W max.

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