anisoprint

STOP METAL THINKING → START ANISOPRINTING

**CONTINUOUS FIBER 3D PRINTING FOR INDUSTRIAL-GRADE PARTS.
STRONGER, LIGHTER AND CHEAPER THAN METAL
OR NON-OPTIMIZED COMPOSITES.**

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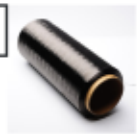
COMPOSITE FIBER CO-EXTRUSION

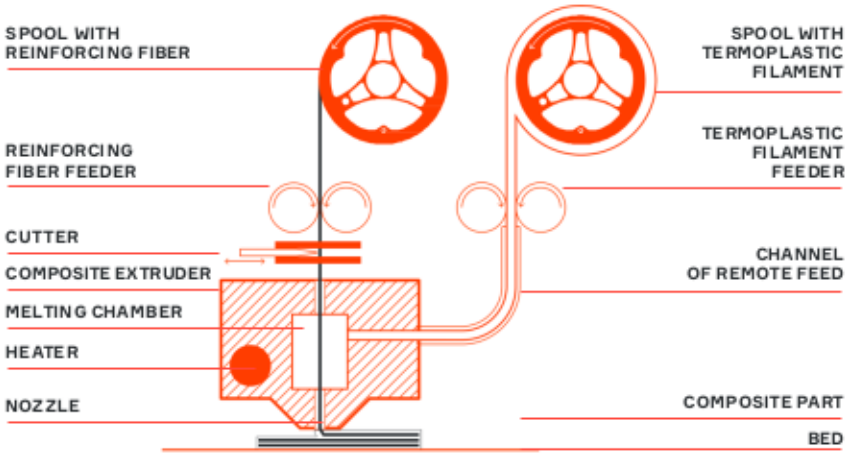
1  + THERMOSET = 

Dry fiber — Stiff fiber

ANISOPRINT COMPOSITE MATERIALS

Composite Carbon Fiber (CCF)
Composite Basalt Fiber (CBF)

2 During printing — COMPOSITE FIBER CO-EXTRUSION:



RESULT

DUAL-MATRIX COMPOSITE

Up to 20 times stronger than plastic
Up to 7 times lighter than steel
Up to 2 times stronger and lighter than aluminum

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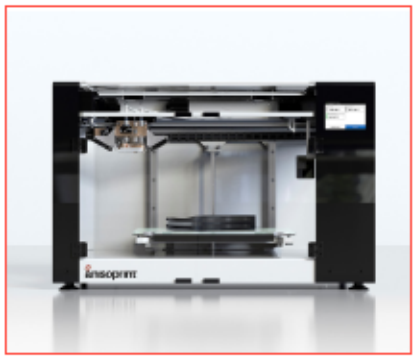
ANISOPRINTING is the technology for manufacturing optimized composite structures through continuous fiber 3D printing



HARDWARE: DESKTOP 3D PRINTER COMPOSER

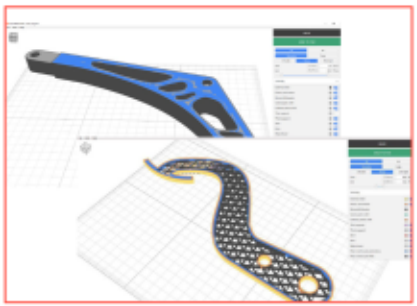
Compared to analogues:

- printing reinforced lattice structures: lower weight, price and production time
- open material system — any plastic with processing temperature up to 270°C as a matrix (PETG, ABS, PC, PLA, PAs, etc)
- lower porosity — higher strength
- 30-50% lower material printing costs
- complete control over fiber path generation
- 2 sizes: A4 297×210×147мм & A3 420×297×210мм build area

MATERIAL: COMPOSITE CARBON FIBER (CCF) and COMPOSITE BASALT FIBER (CBF)

Plastic reinforced with CCF or CBF:

- up to 20 times stiffer and stronger than normal plastic
- up to 7 times lighter than steel and strong as stainless steel
- strength- and stiffness-to-weight ratio is more than 5 times higher than for 2024-T351 Aluminum



SLICING SOFTWARE: AURA

- for FFF and CFC printers
- support for STL and CAD formats: .stp, .3ds, .obj
- model saved on a local PC
- G-code generalization, geometry-view
- separate setting and combining of printers, plastics and profiles
- printing different parts with different materials
- available for free