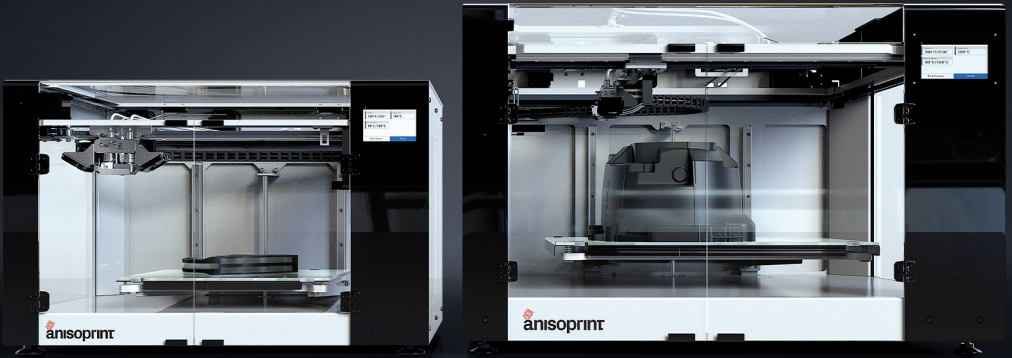


DESKTOP ANISOPRINTING



TURNKEY CONTINUOUS FIBER 3D PRINTING
SOLUTIONS FOR MANUFACTURING
OF OPTIMAL COMPOSITES



anisoprint

CONTENT

- 1–2 Technology
- 3–4 Hardware
- 5–8 Materials
- 9–10 Software

ANISOPRINTING

Technology for manufacturing optimized composite structures through continuous fiber 3D printing

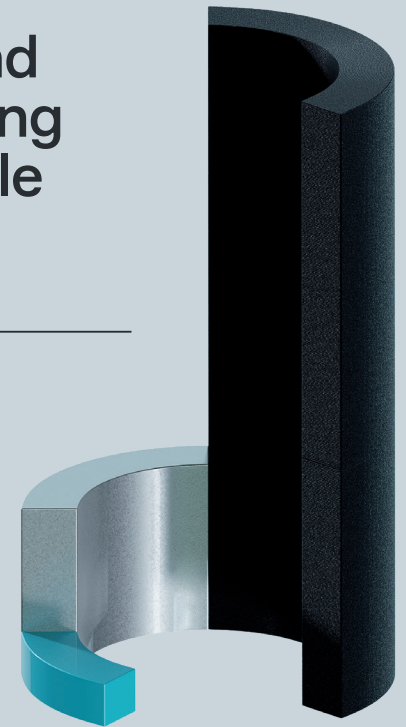


The strongest and lightest 3D printing materials available

60 km
COMPOSITE (CFC)

20 km
ALUMINUM (SLS)

3.5 km
PLASTIC (FDM)

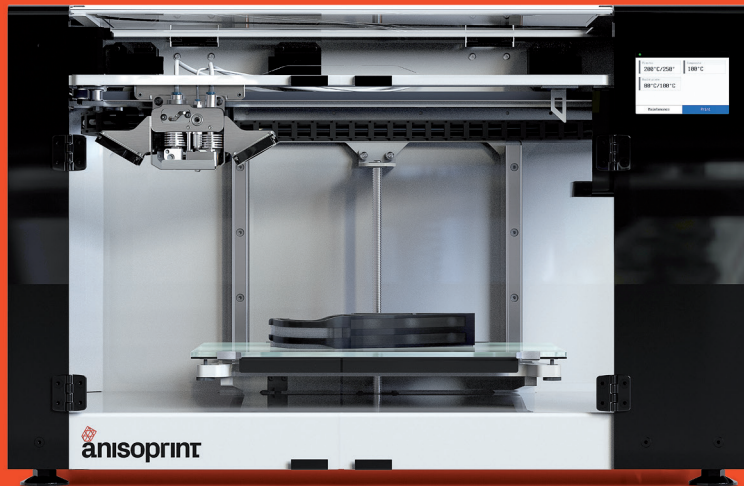


Specific Strength (km)

HARDWARE

composer

A4 build volume (x | y | z)
297 | 210 | 140 mm



PRINTING REINFORCED
LATTICE STRUCTURES
LOWER WEIGHT, PRICE
AND PRODUCTION TIME

OPEN MATERIAL SYSTEM
ANY PLASTIC WITH
PROCESSING TEMPERATURE
UP TO 270°C

LOWER POROSITY — HIGHER
STRENGTH

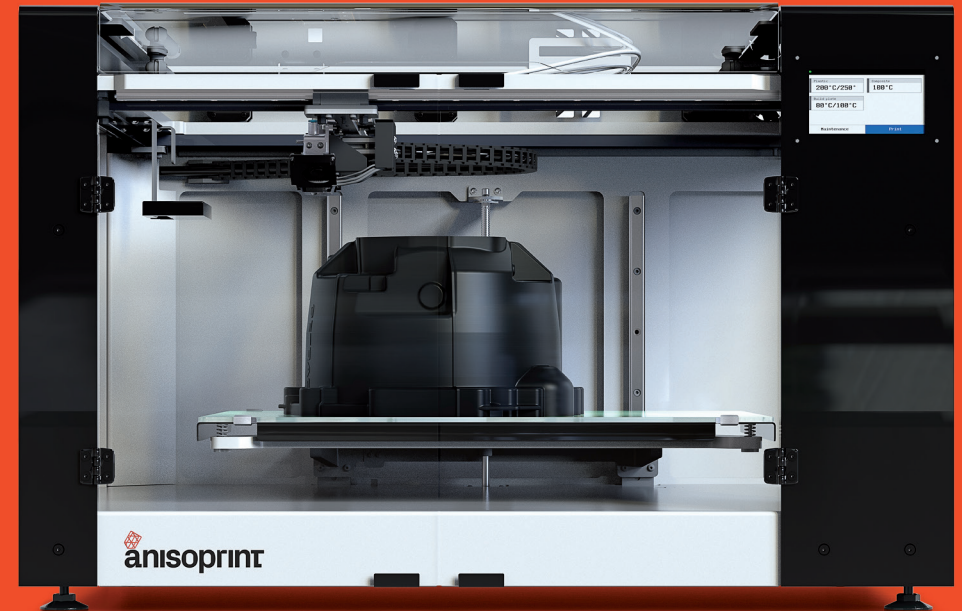
SUPPORTED PLASTICS
PETG, ABS, PC, PLA, PA, etc.

30–50% LOWER MATERIAL
PRINTING COSTS

COMPLETE CONTROL OVER
FIBER PATH GENERATION

max. extruder temperature 270°C
max. print bed temperature 120°C
productivity in CFC mode 20 cc/h

A3 build volume (x | y | z)
460 | 297 | 210 mm



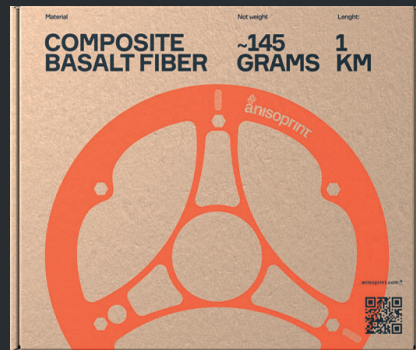
MATERIALS

REINFORCING FIBER

COMPOSITE CARBON FIBER (CCF 1.5k)



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



POLYMERS

CFC PETG



CLEAR PETG



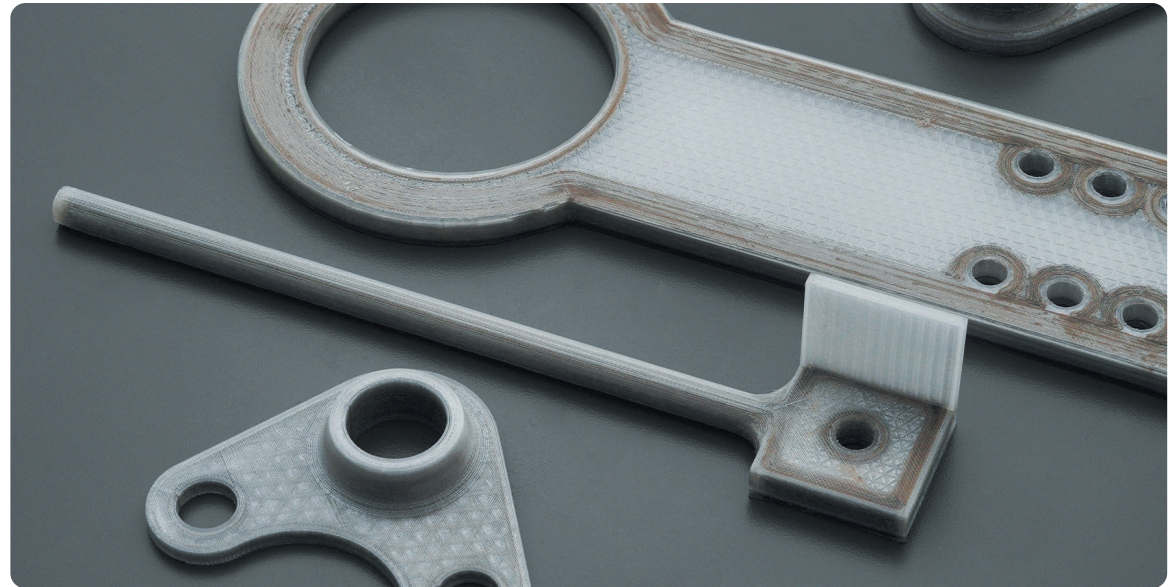
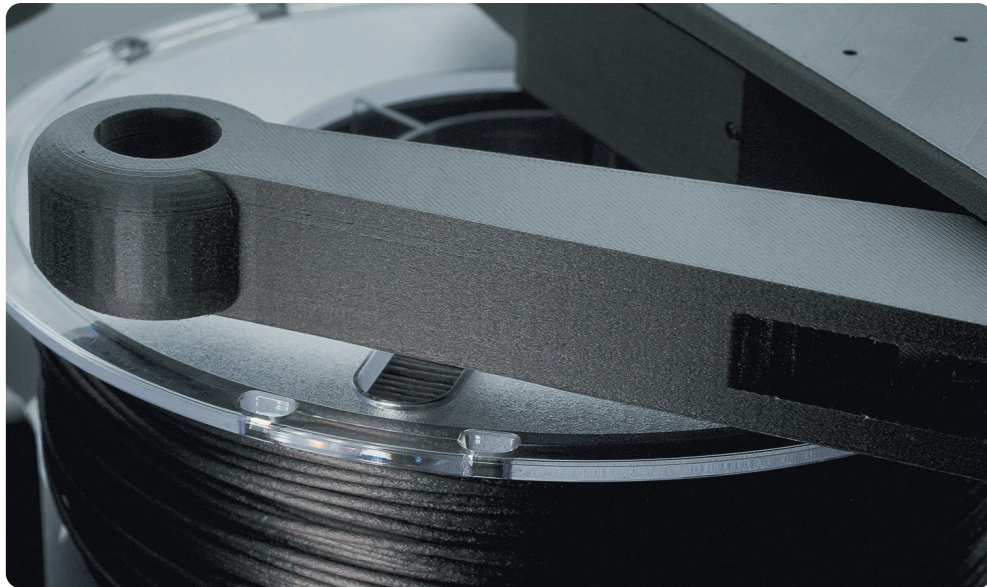
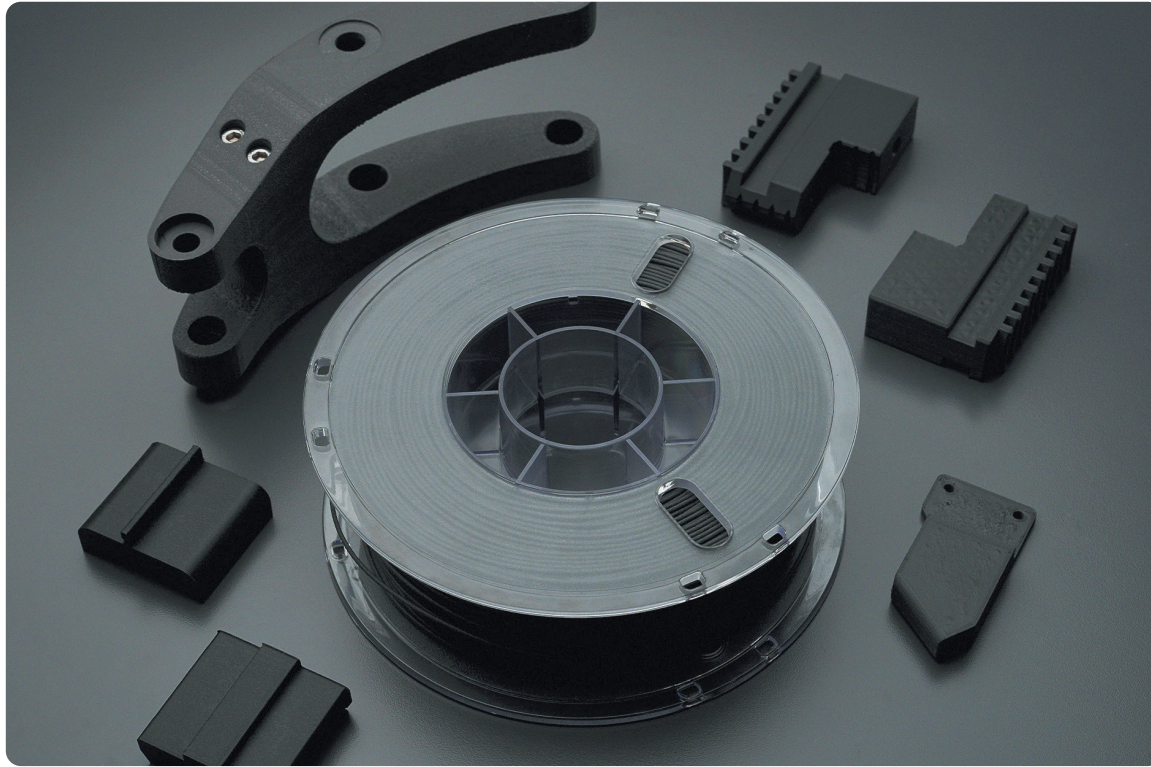
- Can be printed without a dryer
- Plastic specially formulated by Polymaker for the perfect surface quality and ease of use

SMOOTH PA

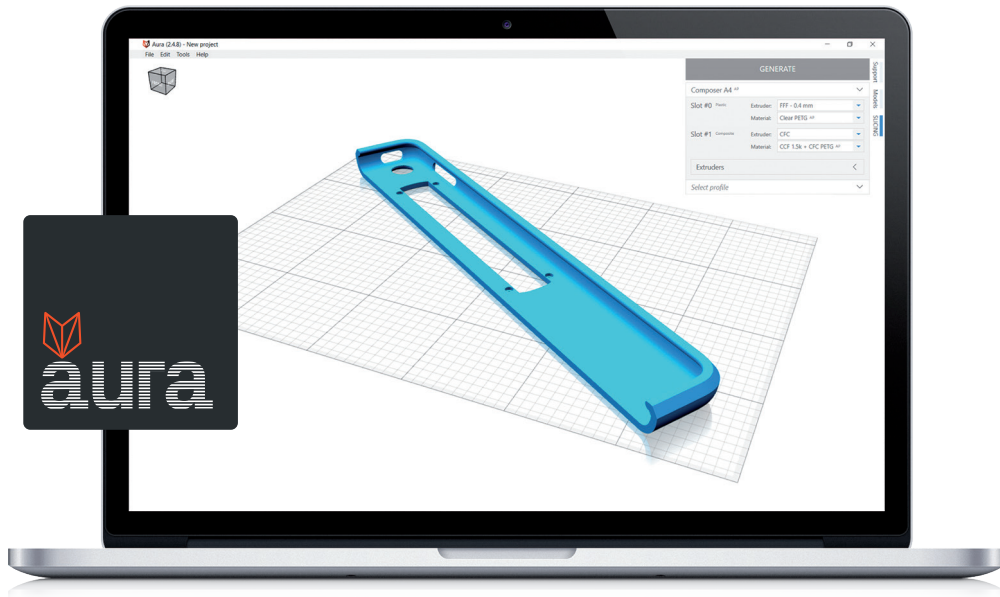


- Easy printing, high adhesion between layers and low shrinkage makes the printing process more smooth

DESKTOP ANISOPRINTING



AURA THE ANISOPRINTING SLICER SOFTWARE



- 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





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