composer

Desktop continuous fiber 3d printing solution for manufacturing of optimal composites

COMPOSITE 3D PRINTER

→ Two separate nozzles (FFF & CFC)
→ Heated bed
→ Enclosed chamber
→ Lightweight aluminum frame
→ Open materials system
→ Dedicated slicer software
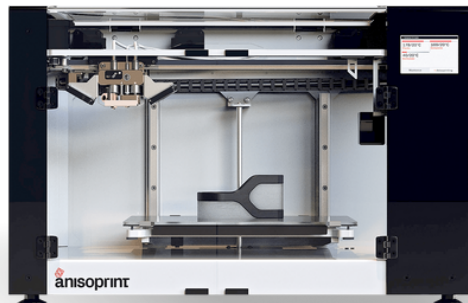
A4 297x210x147
A3 460x297x210

MAX. EXTRUDER TEMPERATURE 270ºC
MAX. PRINT BED TEMPERATURE 120ºC
PRODUCTIVITY IN CFC MODE 20 cc/h

PRINT STRONG AND LIGHTWEIGHT PARTS ON YOUR DESK OR BENCH

Read more:

prom IS 500

Industrial continuous fiber 3d printing solution for manufacturing of optimal composites

INDUSTRIAL 3D PRINTER

Easier, faster and cheaper manufacturing process with high-strength parts from continuous fiber reinforced composites.

→High temperature CFC 3D printer

→Large build volume: 600x420x300mm

→Hight temperature (up to 400C) plastics: PEEK, PEI

→Four printing heads

→Heated chamber

→Open materials system

→Made for reliable 24/7 operation

→High safety standards

→High tolerance

→Build volume 600x420x300

Download the specification:

anisoprint

prom IS 5

AURA

Slicing software for composite 3D printing

AURA FEATURES

Free basic version
→ Macrolayer technology
→ Reinforced perimeters
→ Reinforced infills
→ Layup structure
→ Printing with multiple extruders
→ Reprap G-code format
→ Flexible settings system
→ Supported formats: .stl, .step, .3ds, .obj

Aura Premium
→ Masks — creating custom areas for inner structure modelling.
→ Support blockers & Enforcers - generating extra supports if needed or removing excessive.
→ Aura.CLI - slice several models at once automatically with the script with specified settings.

Aura Connect
→ connecting multiple printers to the single server;
→ multiuser access for managing printers and print jobs;
→ local storage for libraries of parts, projects, G-codes;
→ browser-based client, supports Google Chrome, Mozilla Firefox, Edge, Safari;
→ online process monitoring and logging;
→ access level system for user accounts;
→ print scheduling and queues;
→ statistics for printers, users, time, etc.

Try Aura for free:

CONTINUOUS FIBER

Preimpregnated continuous fiber tow

COMPOSITE CARBON FIBER

→ Effective diameter 0.35 mm
→ Fiber volume 60%
→ Elastic modulus 150 gpa
→ Tensile strength 2200 mpa
→ Dry fiber type: 1.5k Carbon fiber tow, 100 tex
→ Monofilament diameter: 7μ

COMPOSITE BASALT FIBER

→ Effective diameter 0.28 mm
→ Fiber volume 60%
→ Elastic modulus 54 gpa
→ Tensile strength 1557 mpa
→ Dry fiber type: Basalt fiber tow, 110 tex
→ Monofilament diameter: 11μ

PLASTICS

Thermoplastic materials developed specifically for Anisoprint

>>>

SMOOTH PA

Carbon fiber filled polyamide: perfect surface quality and ease of use, printing with or without drying.

→ DENSITY 1.06 g/cm3
→ MELT INDEX 25 g/10 min
→ NOTCHED CHARPY IMPACT 12.52 kJ/m2
→ HDT AT 0.45 MPa 131 ^{0}C
→ HDT AT 1.8 MPa 105 ^{0}C

SMOOTH PA 750 cc
Carbon fiber filled polyamide

MADE BY: polymaker ānisoprint

CFC PA

For better composite mechanics
and perfect adhesion to reinforcing fiber.

→ Effective diameter 0.28 mm
→ Fiber volume 60%
→ Elastic modulus 54 gpa
→ Tensile strength 1557 mpa
→ Dry fiber type: Basalt fiber tow, 110 tex
→ Monofilament diameter: 11μ

CFC PA
Plastic filament
for Composite Fiber Co-extrusion

MADE BY: polymaker ānisoprint

Read more: