

DESKTOP ANISOPRINTING

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




composer

BASIC SPECIFICATIONS

PRINTING

Printing technology	Composite Fiber Co-extrusion (CFC) Fused Filament Fabrication (FFF)
Build volume	A4: 297x210x140mm; A3: 460x297x210mm
Layer thickness, min.	60µm
Print head	Dual nozzle: FFF extruder; CFC extruder with reinforcing filament cutting device
Nozzle diameter, FFF	0.4 mm
Print speed, FFF	10 mm/sec — 80 mm/sec
Print speed, CFC	1 mm/sec — 10 mm/sec
Plastic filament diameter	1.75 mm

Compatible plastics	Plastics with the processing temperature up to 270°C: PLA, PETG, PA, PC, ABS, TPU, etc.
Reinforcing material	Anisoprint CCF 1.5k (Composite Carbon Fiber) Anisoprint CBF (Composite Basalt Fiber)
Buildplate surface	Glass

TEMPERATURE

Max. printhead operating temperature	270°C
Max. buildplate operating temperature	60°C (up to 120°C with open print chamber)

SOFTWARE

Slicer	FFF + CFC: Anisoprint Aura; FFF: Cura, Slic3r
OS Support	Windows 7, 8, 10, etc

INTERFACES

Connectivity	SD-card slot, USB-type B, wi-fi, Ethernet
LCD	A4: 3.5" touchscreen, A3: 4.3" touchscreen

POWER REQUIREMENTS

Voltage	220-240 V (optionally 100-120 V)
Frequency	50/60 Hz

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Maximum consumption	A4: 800 W; A3: 1000 W;

PHYSICAL CHARACTERISTICS

Printer size (LxWxH)	A4: 610mm x 400mm x 400mm; A3: 720mm x 630mm x 490mm;
Net Weight	A4: 25 kg; A3: 65 kg