



BCN3D Sigma

The BCN3D Sigma is a 3D printing machine based on the FFF (fused filament additive fabrication) technology. Its IDEX (Independent Dual Extruder) system allows the manufacture of highly detailed objects combining existing market features such as multimaterial or multicolor printing.



SPECIFICATIONS

Manufacturing technology

IDEX FFF
(Independent Dual Extruder
Fused Filament Fabrication)

Printing surface

DIN A4
X Axis: 210 mm Z Axis: 210 mm
Y Axis: 297 mm

Max. Power consumption

240W max

Extrusion System

Quick release bowden

Screen

Full Color Resistive touchPAD

Compatible materials

PLA, ABS, Filaflex, PVA, HIPS, Composites
(PLA+wood, bronze, leather, fibers, ceramics)

Electronics

BCN3D Electronics V1
Motor drivers independent from the motherboard
FFC Cables (Flat Flexible Cable)

Thread diameter

3mm

Minimum layer height

0,05 mm - 50 µm

Ext. Dimensions

460 x 446 x 450 mm

Firmware

Marlin1.01 BCN3D

Open Source compatible software

Open Source Slicing Software
Cura, Slic3r, ...

Connectivity

USB

HOT END

Full Metal BCN3D Nozzle V3
Easy to replace system

Working temperature
280°C

Filter
0,4 mm (standard)

WORKING TEMPERATURES

Magnet supported printing glass

Calibration assistance of surface levels.

Offset failures calibration

Heat source
BCN3D Sigma Heated Bed

Working temperatures
25 – 115 °C

