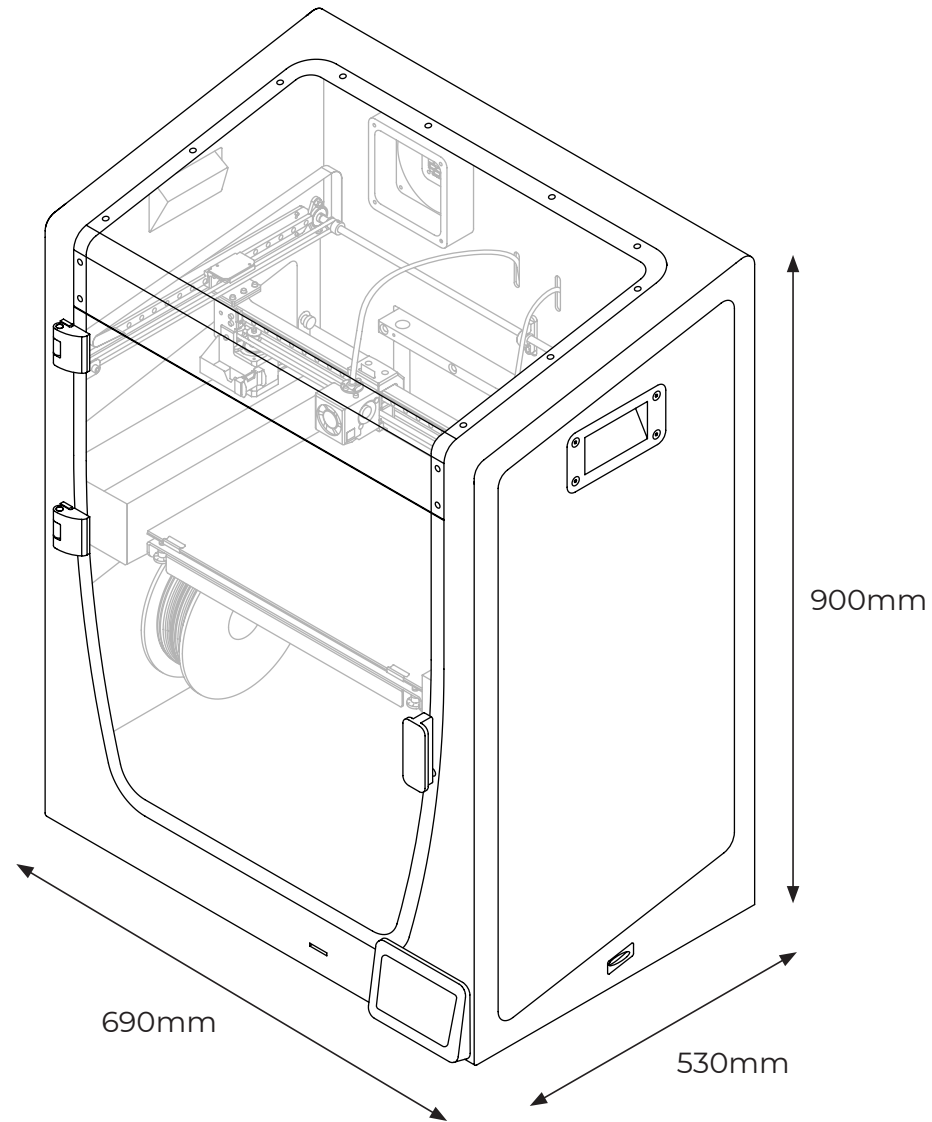


BCN3D EPSILON SPECIFICATIONS



PRINTER PROPERTIES

Technology

Fused Filament Fabrication (FFF)

Architecture

Independent Dual Extruder (IDEX)

Printing volume

420mm x 300mm x 400mm

Build Chamber

Fully enclosed
Passive Heated Chamber
Safety Pause

Air filtering

Category H13 HEPA filter
Active Carbon filter

Extruders

2

Warranty

2 years for EU countries
1 year for non-EU countries

Extruder system

Extruder Bondtech™ hight-tech
dual drive gears.
Hotends: Optimized and manufactured
by e3D™.

Printing Models

Duplication mode
Mirror Mode
Soluble Supports Mode
Multimaterial Mode

Electronics

Single Board Computer: Toradex ARM
Compute Module.
Motion Board: BCN3D Electronics with
Independent Stepper Drivers.

Firmware

BCN3D Embedded Linux distribution
BCN3D Epsilon - Marlin

Heated bed

Silicone thermal pad

Screen

5" full color capacitive touchscreen

Supported languages

German, English, Spanish, French, Italian,
Japanese, Portuguese, Chinese.

Supported files

gcode

Operating Sound

49 dB(A)

Nozzle diameter

0,4mm (installed) / 0,6mm / 0,8mm /
1,0mm / Hotend X: 0,6mm

Certifications

CE / FCC

Connectivity

Offline printing: SD card
Online printing: Wifi or Ethernet

PHYSICAL DIMENSIONS

Overall dimensions

530mm x 690mm x 900mm*

**Including cables*

Weight

37 kg*

**Without filament spools*

Shipping box dimensions

600mm x 800mm x 1185mm

Shipping weight

50 kg

Shipping method

Half Europallet

MATERIALS

Filament diameter

2,85mm

Compatible Materials

PLA, PVA, PET-G, TPU, ABS,
PP, PA.
Fiber filled materials. Only with
Hotend X (0,6mm):
PP GF30, PAHT CF15.

Open Filament System

Yes

PRINTING PROPERTIES

Layer height

0,05 – 0,5mm*

**Depending on the nozzle diameter*

Positioning resolution (X/Y/Z)

1,25µm / 1,25µm / 1µm

Operating temperature

15°C – 35°C

Extruder maximum temperature

300°C

Heated bed maximum temperature

120°C

Build chamber maximum temperature

60°C*

**Depending on operating temperature*

SOFTWARE

File preparation software

BCN3D Cura

Operative Systems

Windows, Mac, Linux

Supported files

STL, 3MF, OBJ, AMF

Wireless connectivity

Cloud software control

- **Send print jobs**
- **Monitor printing progress**
- **Pause/Stop print jobs**

ELECTRIC PROPERTIES

Input

AC 84-240V, AC 3,6-1,3A, 50-60Hz

Maximum Power Consumption

840W