BCN3D EPSILON
SPECIFICATIONS

900mm
690mm
530mm

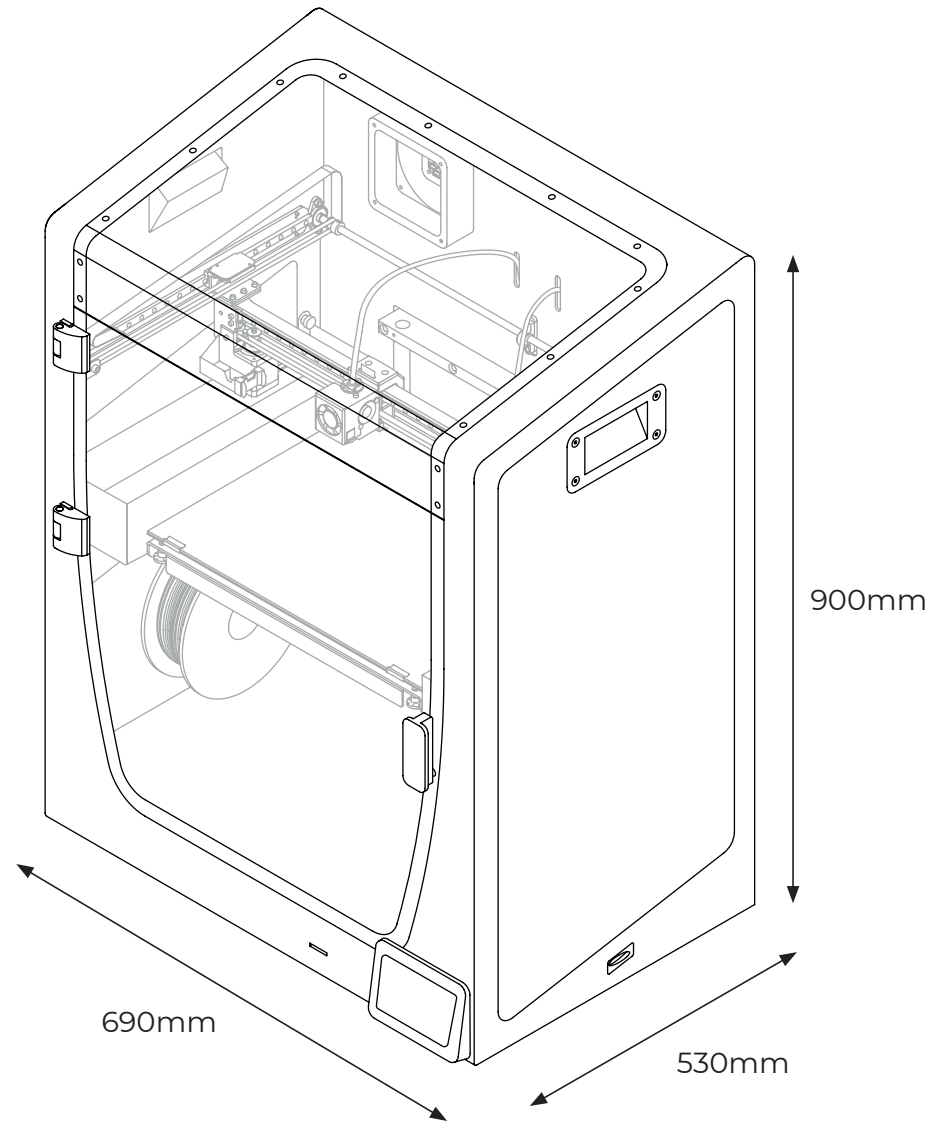## PRINTER PROPERTIES

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 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
46 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