εpsilon

Industrial power on your workbench

THE NEW GENERATION OF THE EPSILON SERIES

The Epsilon Series delivers large-scale parts with industrial-grade materials, thanks to features such as its passive heated chamber, full enclosure, and humidity-controlled environment. Powered by our Independent Dual Extruder (IDEX) system, the Epsilon Series delivers exceptionally strong functional parts, while the Smart Cabinet (SC) boosts your printers' performance by keeping your materials in optimal condition.

Powered by BCN3D's invention, IIDEX technology

Productivity
IDEX Technology
Printing volume:
W50: 420x300x400mm
W27: 420x300x220mm

Safety & Protection
HEPA & Carbon Filter
Safety Pause
Uninterruptible
power supply
Closed environment

Integration
Wireless printing
BCN3D Cloud
Humidity-controlled
environment
Multilingual 5" touchscreen

Versatility
Open filament system
Different hotend sizes

MAIN SPECIFICATIONS

Technology
FFF (Fused Filament Fabrication)

Architecture
IDEX (Independent Dual Extruder system)
Developed and optimized by BCN3D for 7+ years

Print modes
Duplication mode, Mirror mode, Multimaterial mode, Soluble supports mode

Open filament system
BCN3D certified profiles for: PLA / ABS / BVOH / TOUGH PLA/ PVA / PET-G / PA / TPU / PP / PP GF30 / PAHT CF15 / PET CF15/ 316L / 17-4 PH

Safety features
Hepa filter
Carbon filter
Safety pause
Filament runout sensor

Filament diameter
2,85 +/- 0,05mm

Hotends
Hotend Family: 0,4mm (Default) / 0,6mm / 0,8mm / 1,0mm / Hotend X 0,6mm

Automatic Calibration System
Based on a piezoelectric sensor

Build Chamber
Fully enclosed
Passive Heated Chamber up to 60°C

Extrusion system
Bondtech™ high-tech dual drive gears

Connectivity
Offline printing: SD card
Online printing: Wifi or Ethernet

BCN3D Cloud
Digital Library, Queues, Workflows, Teams, roles and permissions, Statistics (Different plans available)

Slicer
Free BCN3D Stratos

Screen
Full Color Capacitive Touchscreen 5''

Printing volume
W50: 420x300x400mm
W27: 420x300x220mm

Minimum layer height
0,05 mm

Max.printing temp.
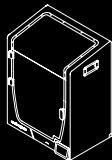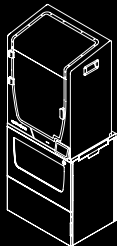280°C

Max. Heated bed temp.
120°C

Certificates
CE / FCC

Smart Cabinet
Humidity-controlled environment / Uninterruptible power supply (UPS) / Tools always in the correct place / Wheels for easy transportation / Load materials from cabinet.

Epsilon W50 SC

Epsilon W50

Epsilon W27 SC

Epsilon W27

BCN3D