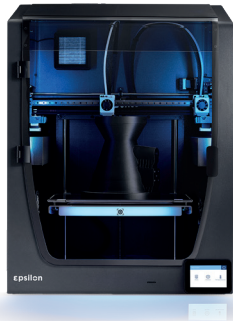# BCN3D

Choose the right printer for you

Printer comparison sheet

BCN3D Epsilon
6.995 € *Excl. VAT

[Link to full specs pdf]

Sigmax R19
3.695€ * Excl. VAT

[Link to full specs pdf]

Sigma R19
2.475€ *Excl. VAT

[Link to full specs pdf]

Printer Properties

	BCN3D Epsilon	Sigmax R19	Sigma R19
3D Priting Technology	FFF	FFF	FFF
Architecture	IDEX	IDEX	IDEX
Number of extruders	2	2	2
Volume	420 x 300 x 400 mm	420 x 297 x 210 mm	210 x 297 x 210 mm
Full color Touch screen	5.0"	3.5"	3.5"
Certificate	CE & FCC	CE & FCC	CE & FCC
Passive Heated chamber*	✓	✗ *Only with extra enclosure	✗ *Only with extra enclosure
Enclosed chamber*	✓	✗ *Only with extra enclosure	✗ *Only with extra enclosure
HEPA filter	✓	✗	✗
Carbon filter	✓	✗	✗
Safety Pause	✓	✗	✗
Heated build plate	✓	✓	✓
Electronics	Single Board Computer: Toradex ARM Compute Module Motion Board: BCN3D Electronics with Independent Stepper Drivers	Motion Board: BCN3D Electronics with Independent Stepper Drivers	Motion Board: BCN3D Electronics with Independent Stepper Drivers
Firmware	BCN3D Embedded Linux distribution BCN3D Epsilon - Marlin	BCN3D Sigmax - Marlin	BCN3D Sigma - Marlin

Hotend Compatibility

	BCN3D Epsilon	Sigmax R19	Sigma R19
Default hotend	0.4 mm	0.4 mm	0.4 mm
Hotend 0.3mm	✗	✓	✓
Hotend 0.4mm	✓	✓	✓
Hotend 0.6mm	✓	✓	✓
Hotend 0.8mm	✓	✓	✓
Hotend 1.0mm	✓	✓	✓
Hotend High Performance (0.5mm)	✗	✓	✓
Hotend X - fiber filled materials (0.6mm)	✓	✗	✗

Materials

	BCN3D Epsilon	Sigmax R19	Sigma R19
Filament diameter	2,85 ± 0,05 mm	2,85 ± 0,05 mm	2,85 ± 0,05 mm
Basic Materials (PLA, PVA, PET-G)	✓	✓	✓
Advanced Materials (ABS, PP, PA, TPU)	✓	✓	✓
Pro Materials (PP GF30, PAHT CF15)	✓	✗	✗
Open filament system	✓	✓	✓

Software

	BCN3D Epsilon	Sigmax R19	Sigma R19
Offline printing (SDCard)	✓	✓	✓
Wireless printing	✓	✗	✗
BCN3D Cura software support	✓	✓	✓
BCN3D Cloud software support	✓	✗	✗