formlabs

PRINTER COMPARISON GUIDE

ADDITIVE

	Form 3+/B+	**Form 4/B**	**Form 3L/BL**	**Form 4L/BL**
	Discontinued	Enquire Now	Enquire Now	Enquire Now
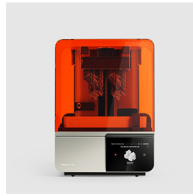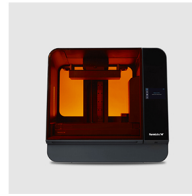
Hardware

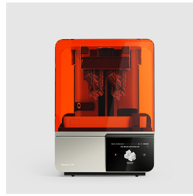|	Form 3+/B+	Form 4/B	Form 3L/BL	Form 4L/BL
Maximum Print Size:	14.5 x 14.5 x 18.5 cm	20.0 × 12.5 × 21.0 cm	33.5 × 20 × 32 cm	35.3 x 19.6 x 35.0 cm
Build Area:	210 cm²	250 cm²	670 cm²	692 cm²
Printer Dimensions:	40.5 × 37.5 × 53 cm	39.8 × 36.7 × 55.4 cm	77 × 52 × 74 cm	66.4 x 52.8 x 79.4 cm
Weight:	17.5 KG	18.3 KG	54.4 KG	58.5 KG
Printer Control:	5.5″ interactive touchscreen	7″ interactive touchscreen	5.5″ interactive touchscreen	7″ interactive touchscreen

Specifications

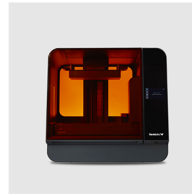|	Form 3+/B+	Form 4/B	Form 3L/BL	Form 4L/BL
Technology:	Laser-Powered Stereolithography	Low Force Display	Laser-Powered Stereolithography	Low Force Display
Light Source:	1x 250 mW laser	Backlight Unit (60 LEDs)	2x 250 mW lasers	Backlight Unit (145 LEDs)
Layer Thickness:	25 – 300 microns	25 – 300 microns	25 – 300 microns	25 – 200 microns
XY Resolution:	25 microns	50 microns	25 microns	46 microns
Maximum Print Speed:	31 mm/hour	100 mm/hour	23 mm/hour	80 mm/hour
Average Print Speed:	11 mm/hour (0.4 in/hour) across all materials	40 mm/hour (1.6 in/hour) across all materials	8 mm/hour (0.3 in/hour) across all materials	24 mm/hour (0.9 in/hour) across all materials
Internal Temperature:	Auto-heats to 35 °C	Auto-heats resin to 25–45 °C depending on material	Auto-heats to 35 °C	Auto-heats resin to 25–45 °C depending on material

	Form 3+/B+	Form 4/B	Form 3L/BL	Form 4L/BL
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Materials

	Form 3+/B+	Form 4/B	Form 3L/BL	Form 4L/BL
Biocompatible Materials:	Only on the B models	Only on the B models	Only on the B models	Only on the B models
Material Choice:	27 Formlabs materials, 18 biocompatible on the B model	23 Formlabs materials, 15 biocompatible on the B model	23 Formlabs materials, 14 biocompatible on the B model	19 Formlabs materials, 12 biocompatible on the B model
Open Material Mode:	Yes, print with third-party resins	Yes, print with third-party resins	Yes, print with third-party resins	Yes, print with third-party resins
Resin Heating:	Air-heated print chamber	High speed conduction resin heating with infrared temperature sensing	Air-heated print chamber	High speed conduction resin heating with infrared temperature sensing
Resin Cartridge Type:	Original resin cartridge	Next-generation resin cartridge 5-10x faster filling 63% less waste 30% less shelf space	Original resin cartridge	Next-generation resin cartridge 5-10x faster filling 63% less waste 30% less shelf space

Software

	Form 3+/B+	Form 4/B	Form 3L/BL	Form 4L/BL
System Requirements:	Windows 7 and up Mac OSX 10.6.8 and up	Windows 7 and up Mac OS X 10.12 and up	Windows 7 and up Mac OSX 10.6.8 and up	Windows 7 and up Mac OS X 10.12 and up
Software:	PreForm print preparation software, Dashboard printer management, Fleet Control, Fleet management	PreForm print preparation software, Dashboard printer management, Fleet Control, Fleet management	PreForm print preparation software, Dashboard printer management, Fleet Control, Fleet management	PreForm print preparation software, Dashboard printer management, Fleet Control, Fleet management
File Type:	STL, OBJ or 3MF	STL, OBJ or 3MF	STL, OBJ or 3MF	STL, OBJ or 3MF