

	Makerbot Replicator+	Dremel 3D40 Flex	Dremel 3D45	Afinia H400+	Afinia H+1	Flashforge Inventor 2S	FlashForge Inventor Dual Extruder	Lulzbot TAZ Workhorse	Lulzbot TAZ Pro
Website	https://www.makerbot.com/	https://digilab.dremel.com/	https://digilab.dremel.com/	https://afinia.com/	https://afinia.com/	https://flashforge-usa.com/	https://flashforge-usa.com/	https://www.lulzbot.com	https://www.lulzbot.com
Printer Price	\$1,999.00	\$1,399.00	\$1,899.00	\$749.00	\$2,199.00			\$2,950.00	\$4,950.00
EDU Bundle	MakerBot Replicator+ 3D printer, MakerBot Educators Guidebook, MakerBot certification program for teachers	3D40 FLEX 3D printer, 4 spools of Dremel PLA filament, 10 blue build tapes, 3 black build tapes, 30 standards-based lesson plans, 4 hour 3D printing professional development course	3D45 3D printer, 4 spools of Dremel filament (2 Advanced & 2 PLA), 2 3D45 build plates, 4 build plate glue sticks, 30 standards-based lesson plans, 4 Hour 3D printing professional development course			FlashForge Inventor 2S 3D printer, curriculum (3 lesson packs, 21 lessons), and ProCare 12-Month Extended Warranty.	FlashForge Inventor Dual Extruder 3D Printer, curriculum (3 lesson packs, 21 lessons), and ProCare 12-Month Extended Warranty.	Special pricing, bundles vary	Special pricing, bundles vary
EDU Bundle Price	\$1,999.00	\$1,699.00	\$2,099.00	N/A	N/A	\$999.00	\$1,499.00	Varies	Varies
Build Volume	295x195x165 mm [11.6x7.6x6.5 in]	255x155x170 mm (11x6x6.7 in)	255x155x170 mm (10x6x6.7 in)	120x120x120 mm (4.7x 4.7x 4.7 in)	255 x 205 x 225mm (10x8x 8.8 in)	150x140x140 mm, (5.9x5.5x5.5in)	230x150x160 mm (9x5.9x6.3 in)	280x280x285 mm (11 x 11 x 11.2")	280x280x285 mm (11 x 11 x 11.2")
Layer Resolution	100 microns	50-340 microns	50-300 microns	150 microns	100-400 microns	50-400 microns	50 microns	50-500 microns	50-500 microns

Build Plate	Grip Surface, Flex	Flex Plate	Heated Glass	UP Perf and Flex, Heated	2-sided: Glass/Flex	Magnetic, Flex	Heated	Modular glass, PEI, heated	Modular glass, PEI, heated
Build Plate Leveling	Factory Levelled	Semi-Auto	Semi-Auto	Software-Assisted	Auto			Self Leveling	Self Leveling
Extruder	Smart Extruder+ (also available: Tough Smart Extruder+, Experimental Extruder)	PTFE direct drive	All Metal-Hot End Direct Drive	Afinia H400+ extruder	3 material specific printheads	Single Extruder	Dual Extruder	Single: Hardened Steel E3D Titan Aero Extruder/Hot End	Dual: Hardened Steel E3D Titan Aero Extruder/Hot End
Extruder Max Temp		230°C	280°C	299°C	varies	240°C	240°C	290°C	290°C
Connectivity	USB, Ethernet, Wi-fi	USB, Ethernet, Wi-fi	USB, Ethernet, Wi-fi	USB, USB Flash Drive, Ethernet, Wi-fi	USB, USB Flash Drive, Ethernet, Wi-fi	USB Cable, USB Flash Drive, Wi-fi	USB cable, Wi-fi, SD card	USB Cable & SD Memory Card	USB Cable & USB Flash Drive

Material Types	PLA, Tough PLA	PLA	PLA, PETG, Nylon, Eco-ABS	ABS, PLA, and more	ABS, PLA, TPU, PC, PETG, or Flexible	PLA, PLA Color Change, Pearl, Elastic, TPU, Flexible, Metal Filled, and Wood Filled	PLA, ABS, PLA Color Change, Pearl, ABS Pro, Elastic, PVA, HIPS, PETG, TPE, TPU, Conductive , Flexible, Metal Filled, Wood Filled , and PP	PLA, ABS, Nylon, Polycarbonate , Carbon Fiber Reinforced Blends, TPU 85A & 95A (Flexible), PETG, PETT, Copolyester, PVB (Polycast), PVA, HIPS, and many more 3rd party	PLA, Natural and Metal PLA Blends, TPU, ABS, PETG, nGen, INOVA-1800, HIPS, HT, t-glase, Alloy 910, Polyamide, Nylon 645, Polycarbonate , PC-Max, PC+PBT, PC-ABS Alloy, PCTPE, and more.
File Types	.MAKERBOT, .stl, .obj	.stl, .obj, .3mf, .bmp, .g, .gcode, .gif, .jpg, .png, .x3d	.stl, .obj, .3mf, .3mf, .bmp, .g, .gcode, .gif, .jpg, .jpeg, .png, .x3d	.up3, .ups, .tsk, .stl, .obj, .3mf, .ply, .off, .3ds, .gcode	.stl, .obj, .3mf, .up3, .ups, .ply, .off, .3ds, .gcode	.stl, .obj, .3mf, .ffp, .g/gx	.stl, .obj, .3mf, .ffp, .g/gx	.stl, .obj, .x3d, .3mf, .png, .jpg	.stl, .obj, .x3d, .3mf, .png, .jpg
Built in Camera	yes	no	yes	no	no	yes	yes	no	no
Support	telephone, email	chat, telephone, email	chat, telephone, email	telephone, online form	telephone, online form	telephone, email	telephone, email	telephone, online form, email	telephone, online form, email
Touch screen display	no	4.5 in full color IPS	4.5 in full color IPS	4.3 in full color LCD	4.3 in full color LCD	3.5 in color IPS	3.5 in color IPS	no	5 in full color LCD
Enclosed	no	yes	yes	yes	yes	yes	yes	no	no

Filters	no	UL Certified	Active carbon filter	HEPA and Activated Carbon Filter	HEPA and activated carbon filters	yes	yes	no	no
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