



Objet30 Prime

Put maximum flexibility on your desktop.

The world's most versatile desktop 3D printer, the Objet30 Prime™ packs specialized materials and a range of print modes into a quiet, easy-to-use system. These capabilities give you the power to 3D print the part you need, when you need it — and a different part tomorrow.

The most desktop material options: Small design and engineering teams can meet diverse material needs such as transparency, flexibility and biocompatibility in-house. The Objet30 Prime offers: rigid materials in multiple opaque shades as well as clear, for beautiful detail visualization and prototypes that include see-through components; Rubber-like materials for soft-touch features and flexible components; and specialized materials such as High Temperature, Simulated Polypropylene and even Bio-compatible for medical device prototyping and production parts such as surgical guides.

Three print modes: Make the most of your 3D printing resources with a print mode for every phase of development. From draft models that conserve time and material when you need to think fast in 3D, to beautiful, detailed client models and production parts, the Objet30 Prime delivers right from your desktop.





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Driven by powerful PolyJet® technology

Proven PolyJet 3D Printing is famous for smooth surfaces, fine precision and diverse material properties. It works a bit like inkjet document printing, but instead of jetting drops of ink onto paper, the print head jets microscopic layers of liquid photopolymer onto a build tray and instantly cures them with UV light. The fine layers build up to create a prototype or production part.

Along with the selected model material, the 3D printer features two support material options: SUP705, a gel-like support material designed to uphold overhangs and easily removed with a WaterJet; and SUP706, which is easily removed and soluble for automated post-processing and increased geometric freedom to print complex and delicate features and small cavities.

With its astonishingly realistic aesthetics and ability to deliver special properties such as transparency, flexibility and even biocompatibility, PolyJet 3D Printing offers a competitive edge in consumer products prototyping, precision tooling and specialized production parts.

3D PRINTER SPECIFICATIONS

Model Materials	Rigid Opaque (VeroWhitePlus™, VeroGray™, VeroBlue™, VeroBlackPlus™) Transparent (RGD720 and VeroClear™) Simulated Polypropylene (Rigur™ and Durus™) High Temperature Rubber-like (TangoGray™ and TangoBlack™) Bio-compatible
Support Material	SUP705 (WaterJet removable) SUP706 (soluble)
Maximum Build Size (XYZ)	294 x 192 x 148.6 mm (11.57 x 7.55 x 5.85 in.)
System Size and Weight	82.5 x 62 x 59 cm (32.28 x 24.4 x 23.22 in.); 106 kg (234 lbs)
Resolution	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 1600 dpi
Accuracy	0.1 mm (0.0039 in.) varies depending on part geometry, size, orientation, material and post-processing method
Minimum Layer Thickness	28 microns (0.0011 in.) for Tango materials; 16 microns (0.0006 in.) for all other materials
Build Modes	Draft (36 micron); High Speed (28 micron); High Quality (16 micron)
Software	Objet Studio™ intuitive 3D printing software
Workstation Compatibility	Windows XP/Windows 7/Windows 8
Network Connectivity	Ethernet TCP/IP 10/100 base T
Operating Conditions	Temperature 18-25°C (64-77°F); relative humidity 30-70%
Power Requirements	Single phase: 100-200V; 50-60Hz; 7A or 200-240V; 50-60Hz 3.5A
Regulatory Compliance	CE/FCC/RoHS



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