

Objet® 350 and Objet® 500 Connex3™



Get the most versatile 3D production system.

With the ability to 3D print the full range of Digital Materials including color, the Objet350 and Objet500 Connex3 3D Production Systems create precise production parts with unprecedented versatility. Choose from a wide range of material properties, from rubber to rigid, transparent to opaque, neutral to vibrant, and standard to bio-compatible. 3D print custom jigs, assembly fixtures and gauges, and tooling with ultra-fine accuracy and smooth surfaces quickly and easily – no assembly required. Connex3 delivers triple-jetting efficiency with the power to serve diverse needs from one system.

Objet350 Connex3: 3D print parts as large as 342 x 342 x 200 mm (13.4 x 13.4 x 7.9 in.) – in hundreds of material combinations.

Objet500 Connex3: Get all the capabilities of the Objet350 Connex3, plus a larger tray size (490 x 390 x 200 mm [19.3 x 15.4 x 7.9 in.]).

Learn more about the
Objet350 and Objet500 Connex3
at stratasys.com

Objet350 and Objet500 Connex3



System Specifications

Model Materials	Rigid Opaque: VeroWhitePlus™, VeroBlackPlus™, VeroGray™, VeroBlue™, VeroCyan™, VeroMagenta™, VeroYellow™ Rubber-like: TangoPlus™, TangoBlackPlus™, TangoBlack™, TangoGray™ Transparent: VeroClear™ and RGD720 Simulated Polypropylene: Endur™ and Durus™ High Temperature Bio-compatible
Digital Materials	Digital ABS™ and Digital ABS2™ in ivory and green Hundreds of vibrant, repeatable colors in opaque and translucent Rubber-like blends in a range of Shore A values and color Polypropylene materials with improved heat resistance
Material Options	Over 1,000
Maximum Materials per Part	82
Support Material	SUP705 non-toxic gel-like photopolymer support
Maximum Build Size (XYZ)	Objet350: 340 x 340 x 200 mm (13.4 x 13.4 x 7.9 in.) Objet500: 490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in.)
System Size and Weight	1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) <i>Material Cabinet:</i> 330 x 1170 x 640 mm (13 x 46.1 x 26.2 in.); 76 kg (168 lbs.)
Resolution	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 1600 dpi
Accuracy	20-85 microns for features below 50 mm; up to 200 microns for full model size
Minimum Layer Thickness	Horizontal build layers as fine as 16 microns (.0006 in.)
Build Modes	Digital material: 30-micron (.001 in.) resolution High quality: 16-micron (.0006 in.) resolution High speed: 30-micron (.001 in.) resolution
Software	Objet Studio™ intuitive 3D printing software
Workstation Compatibility	Windows® 7/ Windows® 8
Network Connectivity	LAN - TCP/IP
Operating Conditions	Temperature 18-25°C (64-77°F); relative humidity 30-70% (non-condensing)
Power Requirements	110-240 VAC 50/60Hz; 1.5 kW single phase
Regulatory Compliance	CE, FCC

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 end-use part.

Along with the selected model material, the 3D printer also jets a gel-like support material designed to uphold overhangs. When printing is done, the nontoxic support material is easily removed with a water jet. Models can be handled and used immediately, without additional post-curing.

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 end-use parts.

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