

Objet[®] 350 and Objet[®] 500 Connex1[™]



Gain triple-jetting efficiency for 3D production.

Backed by triple-jetting technology, the Objet350 and Objet500 Connex1 3D Production Systems let you combine as many as three base resins in a single build without assembly or post-processing. 3D print multi-material jigs, assembly fixtures and tooling, and simulate overmolding with ultra-fine layer resolution and outstanding accuracy. And achieve final-product realism with your choice of 14 photopolymers that simulate rubber, polypropylene and standard manufacturing plastics. High material capacity, hot-swap capability and a mid-size or large build envelope enable you to power through tool and prototype production with great efficiency.

Objet350 Connex1: Build complex prototypes as large as 342 x 342 x 200 mm (13.4 x 13.4 x 7.9 in.).

Objet500 Connex1: Get all the capabilities of the Objet350 Connex1, plus a larger build envelope (490 x 390 x 200 mm [19.3 x 15.4 x 7.9 in.]) – ideal for printing large parts or multiple small-to medium-sized parts at once.

Learn more about the
Objet350 and Objet500 Connex1
at stratasys.com

Objet350 and Objet500 Connex1

System Specifications

Model Materials	Rigid Opaque: VeroWhitePlus™, VeroBlackPlus™, VeroGray™, VeroBlue™ Rubber-like: TangoPlus™, TangoBlackPlus™, TangoBlack™, TangoGray™ Transparent: VeroClear™ and RGD720 Simulated Polypropylene: Endur™ and Durus™ High Temperature Bio-compatible
Material Options	14
Maximum Materials per Part	3
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 microns; 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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