Objet500 Connex1

Gain triple-jetting efficiency for 3D production.

Backed by triple-jetting technology, the Objet500 Connex1™ 3D Printer lets 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. Achieve final product realism with your choice of 17 photopolymers that simulate rubber, polypropylene and standard manufacturing plastics. High material capacity, hot-swap capability and a large build envelope enable you to power through tool and prototype production with great efficiency.

Build complex prototypes as large as 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 OBJET500 CONNEX1 AT PROTOTECH.CO.KR

stratasys **PROTOTECH** 3D Printing Total Solution (주) 프로토텍

THE **3D PRINTING SOLUTIONS** COMPANY

Objet500 Connex1

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, which is easily removed with a WaterJet; and SUP706, which is 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 bio-compatibility, PolyJet 3D Printing offers a competitive edge in consumer products prototyping, precision tooling and specialized production parts.

System Specifications

Model Materials	**Rigid Opaque:** VeroWhitePlus™, VeroBlackPlus™, VeroGray™, VeroBlue™, Vero PureWhite™, **Rubber-like:** Agilus30™ in black and clear, TangoPlus™, TangoBlackPlus™, TangoBlack™, TangoGray™ **Transparent:** VeroClear™ and RGD720 **Simulated Polypropylene:** Rigur™ and Durus™ High Temperature Bio-compatible
Material Options	17
Maximum Materials per Part	3
Support Material	SUP705 (WaterJet removable)
	SUP706 (soluble)
Maximum Build Size (XYZ)	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.) *Material Cabinet:* 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	**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

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ISO 9001:2008 Certified

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