Objet350 and Objet500 Connex2

Triple-jetting efficiency plus Digital Materials

With triple-jetting efficiency plus Digital Materials for impressive control over part properties, the Objet350 and Objet500 Connex2™ 3D Production Systems blend precision with productivity. 3D print jigs, fixtures, injection molds, silicone molds and sandcasting patterns in-house for immediate use.

Choose from more than 100 materials –

including transparent and a variety of Shore A values – combining as many as 27 material properties in a single build. Take advantage of tough Digital ABS™ and other specialized materials for tools and prototypes requiring distinct mechanical, optical and thermal properties.

Objet350 Connex2: 3D print durable, multi-material tools or prototypes as large as 342 x 342 x 200 mm (13.4 x 13.4 x 7.9 in.).

Objet500 Connex2: Get all the capabilities of Objet350 Connex2, plus a larger tray size (490 x 390 x 200 mm [19.3 x 15.4 x 7.9 in.]) to handle big parts or batches.

Objet350 and Objet500 Connex2

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

System Specifications

Model Materials	Rigid Opaque: VeroWhitePlus™, VeroBlackPlus™, VeroGray™, VeroBlue™ Rubber-like: TangoPlus™, TangoBlackPlus™, TangoBlack™, TangoGray™ Transparent: VeroClear™ and RGD720 Simulated Polypropylene: Rigur™ and Durus™ High Temperature Bio-compatible
Digital Materials	Digital ABS and Digital ABS2™ Wide range of translucencies Rubber-like blends in a range of Shore A values Simulated Polypropylene materials with improved heat resistance
Material Options	120
Maximum Materials per Part	27
Support Material	SUP705 (WaterJet removable)
	SUP706 (soluble)
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.) *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	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

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