



# Objet350 and Objet500 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 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](http://STRATASYS.COM)



# Objet350 and Objet500 Connex3

## 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

<b>Model Materials</b>	Rigid Opaque: VeroWhitePlus™, VeroBlackPlus™, VeroGray™, VeroBlue™, VeroCyan™, VeroMagenta™, VeroYellow™ Rubber-like: TangoPlus™, TangoBlackPlus™, TangoBlack™, TangoGray™ Transparent: VeroClear™ and RGD720 Simulated Polypropylene: Rigur™ and Durus™ High Temperature Bio-compatible
<b>Digital Materials</b>	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
<b>Material Options</b>	Over 1,000
<b>Maximum Materials per Part</b>	82
<b>Support Material</b>	SUP705 (WaterJet removable) SUP706 (soluble)
<b>Maximum Build Size (XYZ)</b>	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)
<b>System Size and Weight</b>	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.)
<b>Resolution</b>	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 1600 dpi
<b>Accuracy</b>	20-85 microns for features below 50 mm; up to 200 microns for full model size
<b>Minimum Layer Thickness</b>	Horizontal build layers as fine as 16 microns (.0006 in.)
<b>Build Modes</b>	Digital Material: 30-micron (.001 in.) resolution High Quality: 16-micron (.0006 in.) resolution High Speed: 30-micron (.001 in.) resolution
<b>Software</b>	Objet Studio™ intuitive 3D printing software
<b>Workstation Compatibility</b>	Windows 7/ Windows 8
<b>Network Connectivity</b>	LAN - TCP/IP
<b>Operating Conditions</b>	Temperature 18-25°C (64-77°F); relative humidity 30-70% (non-condensing)
<b>Power Requirements</b>	110-240 VAC 50/60Hz; 1.5 kW single phase
<b>Regulatory Compliance</b>	CE, FCC

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