

# 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.

### 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	1,400 x 1,260 x 1,100 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.)
System Size Weight	430 kg (948 lbs.) Material Cabinet: 76 kg (168 lbs.)
Resolution	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 1600 dpi
Accuracy	Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.
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

<sup>1</sup> These results are valid for about 95% of printed models, measured when ambient temperature is 23 °C and relative humidity is 50%.

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