Objet500 Connex™

True product realism with a large build envelope.

Build big prototypes in multiple materials.

Objet500 Connex™ provides true product realism by combining the virtually endless possibilities of more than 100 different materials with the highest levels of productivity and a large build envelope. The Objet500 Connex combines rapid prototyping speed with very thin layers so you can create large parts, or even multiple parts made of different materials, quickly and accurately.

The Objet500 Connex offers all of the power of pioneering Connex multi-material 3D printing in a build envelope of 500 x 400 x 200 mm (19.7 x 15.7 x 7.9 in) — large enough to support big models or many parts. Using proven simultaneous multi-material PolyJet™ technology, the Objet500 Connex can 3D print models with up to 14 different materials in a single job, providing a realistic rendering of your final product.

This 3D printer is ideal for designers and engineers looking to effectively demonstrate the varying material components in complex or assembled products.

Full range of materials to take on your biggest prototyping needs.

From an unrivalled range of more than 120 materials, including more than 100 Digital Materials™ created as the model prints, the Objet500 Connex enables you to simulate diverse mechanical and physical properties, from rubber to rigid; opaque to transparent; and standard to ABS-grade.

Base materials include:

Transparent material (VeroClear™) a nearly colorless material for fit and form testing of detailed transparent parts and models that mimics transparent thermoplastics like poly(methyl methacrylate) (PMMA)

Rubber-like materials (Tango family) suitable for a range of applications requiring non-slip or soft surfaces

Transparent material (RGD720) for standard plastics simulation requiring dimensional stability and smooth surfaces

Rigid Opaque materials (Vero family) in a variety of colors including white, gray, blue and black

Simulated Polypropylene materials (Endur™ & Durus™) for polypropylene-like snap fit applications, flexible closures and living hinges, reusable containers and white appliances

Print over 100 digital materials.

The Objet500 Connex 3D Printer can print more than 100 digital materials, including:

Digital ABS™ (RGD5130, RGD5131, RGD5160, RGD5161) simulates ABS engineering plastics by combining high-temperature resistance with toughness. Digital ABS2™ matches those properties and provides enhanced dimensional stability in walls thinner than 1.2 mm (.047 in).

High Temperature material for advanced functional testing, hot air and water flow, and static applications

Transparent shades and patterns

Rigid Opaque shades

Different shore value rubber-like materials

Simulated Polypropylene with improved thermal resistance

Learn more about Objet500 Connex at www.Stratasys.com

Objet500 Connex

Backed by proven PolyJet technology.

The Objet500 Connex employs proven PolyJet technology. PolyJet 3D Printing is similar to inkjet document printing. But instead of jetting drops of ink onto paper, PolyJet 3D Printers jet layers of liquid photopolymer onto a build tray and cure them with UV light. The layers build up one at a time to create a 3D model or prototype. Fully-cured models can be handled and used immediately, without additional post-curing. Along with the selected model materials, the 3D printer also jets a gel-like support material specially designed to uphold overhangs and complicated geometries. It is easily removed using a WaterJet.

PolyJet 3D Printing technology has many advantages for rapid prototyping, including professional quality and speed, high precision, and a wide variety of materials. PolyJet technology is a perfect solution for precision prototyping needs and sets the standard for finished-product realism.

Objet500 Connex Makes 3D Printing As Easy As 1-2-3.

1. **Prepare the file.** Create your 3D model with 3D CAD software, then open Objet Studio™ software, upload the STL file and click "print." Objet Studio converts your STL file into 3D model print paths – including support structures.

2. **Print your model.** PolyJet technology makes it possible to build your 3D model and its support material – layer by layer – from the bottom up.

3. **Remove supports.** Take your printed model out of the printer's build chamber and easily remove support material using a WaterJet.

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Product Specifications

Model Materials:
- Transparent rigid (VeroClear)
- Rubber-like (Tango family) including black & translucent
- Transparent general-purpose (RGD720)
- Rigid Opaque (Vero family)
- Simulated Polypropylene (Endur & Durus)

Digital Model Materials:
- Transparent shades & patterns
- Rigid Opaque shades
- Rubber-like blends in a range of Shore A values
- Simulated Polypropylene materials with improved heat resistance

Support Material:
FullCure® 705 non-toxic gel-like photopolymer support

Build Size:
490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in)

Layer Thickness:
Horizontal build layers down to 16-microns (0.0006 in)

Workstation Compatibility:
Windows 7

Network Connectivity:
LAN – TCP/IP

Size and Weight:
Objet500 Connex:
1420 × 1120 × 1130 mm
(55.9 × 44.1 × 44.5 in)
500 kg (1102 lbs)

Power Requirements:
110–240 VAC 50/60 Hz;
1.5 KW single phase

Regulatory Compliance:
CE, FCC

Special Facility Requirements:
Temperature 18-25 °C
(64-77 °F); relative humidity 30-70% (non-condensing)

Stratasys® | Design Series

CAD vision

FAITES CONFIANCE AU LEADER FRANÇAIS
REVENDEUR EN IMPRIMANTES 3D
POUR LES PROFESSIONNELS

Esprit de service

Réactivité au quotidien, et adaptabilité aux besoins de nos clients sont la meilleure expression de notre esprit de service. Support technique de nos clients au travers d'une maintenance de proximité et de qualité. Services : Formations, Assistance sur site et consulting.

Qui Sommes-Nous

Filliale du groupe d'ingénierie français ING'EUROP, CADvision assure la commercialisation, la mise en place, les services de formation et le suivi technique sur l'ensemble de la gamme Stratasys.

Leader français sur le marché des imprimantes 3D professionnelles, nous revendons également des solutions de CAO 3D.

Quelques références clients :

AFM - AGCO - AIRBUS - ALCATEL-LUCENT - ALDEBARAN ROBOTICS - ALSTOM - AMESYS - ARCELOR MITTAL - ARVINMERITOR - ASTRIUM - ATMEL - AXEL - BAYER - BODET - BRUKER BIOSPIN - BWI - CANON - CASSIDIAN - CCG VERITAS - CEA - CHUBB SECURITE - CNES - CNRS - COBHAM - CONTINENTAL - COTY PRESTIGE BEAUTY - CYBERNETIX - DANONE - DCNS - DECATHLON - DELPHI - EADS - ESSILOR - E-SWIN - FAGORBRANDT - FIVES - FAURECIA - GE HEALTHCARE - GECINA - GILSON - GROUPE SEB - GROUPE CARAVELLE - HORIBA - HUTCHINSON - IFP - IFREMER - IMAJE MARKEM - INEO - INTERTECHNIQUE - ITER - ITW - JAEGER - JDSU - JOHNSON CONTROLS - KBS - KEOPSYS - LEGRAND - LES IUT - LES LYCEES TECHNIQUES - LES ECOLES D'INGENIEURS - LISI - LORIENCE - L'OREAL - MAIF - MAPED - MIKLI - MILLIPORE - MINISTERES - MITSUBISHI ELECTRIC - NAGRACARD - NESTLE - NEWELL - NEXTER - OLDHAM - ONERA - ORANGE LABS - PARKEON - PARROT - PHILIPS FRANCE - PITNEY BOWES - PSA PEUGEOT CITROEN - QINETIQ - QUALIFORM - QUALIPAC - QUANTHOUSE - RATP - REFLEX CONSULTING - RENAULT - RENAULT SPORT F1 - ROCKWELL COLLINS - RTE-EDF - SAGEM-SAFRAN - SAINT GOBAIN - SALOMON - SANOFI AVENTIS - SCHLUMBERGER - SCHNEIDER ELECTRIC - SEALYNX - SIEMENS - SNCF - SNECMA - STMICROELECTRONICS - TECHNICOLOR - THALES - TRELLEBORG - TRW CARS FRANCE - TYCO - UNIFIRST - UNIVERSITES FRANCAISES - VALEO - WINLIGHT SYSTEMS - XIRING - YAMAHA - ZODIAC