

OBJET[®] 500 CONNEX 3[™]

The only 3D printer for color and advanced multi-material combinations.

It's time to experience unequalled design freedom.

With its ability to combine vivid color and multiple materials, the Objet500 Connex3 is the only 3D printer that empowers you to simulate the precise look, feel and function of finished products. And with a wide range of advanced material options and dozens of composites, your designs will come to life as realistic models earlier in the design process.

Colors: With extensive true-to-life color options, you can integrate vibrant colors into multi-material models. No other 3D printer offers this level of final product realism.

Rubber-like: The Objet500 Connex3 includes a wide range of flexible rubber-like options, which can be combined with rigid materials in one build. You can prototype rubber overmolding and soft, non-slip surfaces such as buttons, handles, grips and any number of flexible details.

Transparency: The Objet500 Connex3 enables you to build clear models or transparent/opaque combinations – including opaque model interiors with transparent exteriors – along with a wide range of translucent colors.

Digital materials: With over 500 material options – including Digital ABS – you can 3D print across the spectrum from rigid to flexible.

With so many new color and material combinations to explore, what will you design next?

Multi-purpose solutions, multi-purpose prototyping.

The Objet500 Connex3 is the only multi-purpose 3D printer that offers a comprehensive modeling solution for designers throughout the entire product development cycle.

Ideation and concepting: With a multitude of material options and combinations, design teams will finally be able to build prototypes limited only by their imagination.

Design collaboration: With advanced product realism from the start, your team will be able to collaborate with other groups, bringing ideas together to better sell through your design.

Design optimization: Refinement of specific design elements can be done prior to machining production-grade molds.

Design validation: You no longer need to choose between form and function - with the Objet500 Connex3 you get both. With such a broad spectrum of material properties, from strong Digital ABS[™] to flexible rubber, your models are sure to stand up to performance verification and testing.



True product realism – pre-assembled in one prototype build.

The new three-material jetting technology of the Objet500 Connex3 automates creation of complex prototypes that have diverse material properties – no assembly required.

Enjoy building prototypes with fine-feature quality – including 16-micron high resolution – that provides high detail and smooth surfaces to create brilliant, precise 3D models that will wow your audience. And with all of the color multi-material options available – including bright color visualization – the models printed on the Objet500 Connex3 will always be the most realistic possible.



Learn more about
Objet500 Connex3
at www.Stratasys.com

OBJET500 CONNEX3



The widest range of modeling applications.

No matter what industry or application, the Objet500 Connex3 is the best solution for your multi-purpose prototyping needs. The capabilities of Objet500 Connex3 work best for:

- Design Engineers
- Product Designers
- Animators
- Entertainment Design Studios
- Service Bureaus
- Internal Rapid Prototyping Departments
- R&D Departments
- Education Research Institutes/Universities

Objet500 Connex3 Makes Advanced Multi-Material 3D Printing As Easy As 1-2-3.

- 1. Prepare the file.** Create your 3D prototype with 3D CAD software, then open Objet Studio™ software, upload the STL file and click “print”. Objet Studio converts your STL output into 3D model print paths – including support structures.
- 2. Print your prototype.** PolyJet™ Connex3 technology makes it possible to build your multi-material 3D prototype and its support material - layer by layer – from the bottom up on a removable modeling base.
- 3. Remove supports.** Take your printed prototype model out of the printer’s build chamber and dissolve the support structures with tap water-based solutions.

Proto3000 | www.proto3000.com | info@proto3000.com

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Product Specifications

Model Materials:

Vero family of translucent to opaque color materials

Tango family of rubber-like flexible materials, translucent and opaque

Medical: MED610

Digital ABS: ivory, green

Digital ABS2: ivory, green

DurusWhite RGD430

High Temperature white RGD525, clear RGD720

Support Material:

SUP705

Build Size:

490 x 390 x 200mm (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 64-bit or Windows® 8 64-bit

Network Connectivity:

LAN – TCP/IP

Size and Weight:

Objet500 Connex3:

1400 x 1260 x 1100 mm

(55.1 x 49.6 x 43.3 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)

Power Requirements:

110–240 VAC 50/60 Hz; 1.5 KW

single phase

Regulatory Compliance:

CE, FCC

Special Facility Requirements:

Temperature 18°C-25 °C

(64°F-77°F); relative humidity 30-70% (non-condensing)