OBJET500 CONNEX3™

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

It's time to experience unequaled 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 180 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: With a broad spectrum of material properties – from strong Digital ABS to flexible rubber – design teams can deliver performance verification and intensive 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

Stratasys® | Design Series

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.

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Product Specifications

Model Material:
Vero Family of opaque materials
Tango Family rubber-like flexible materials
Medical: MED610
Digital ABS: Ivory, Green
Digital ABS2: Ivory, Green
DurusWhite RGD430
High Temperature RGD525, White
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)

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