



Gain More Control of Your 3D Model Validation

Assign Model Materials for Multi-part, Multi-material Designs From Your 3D Design Software and Print on Connex 3D Printers



CADMatrix™: Objet Add-in for Pro/ENGINEER®

CADMatrix Advantage

Control from design to print

CADMatrix allows you to stay in control of your model by permitting you to assign different model materials to the different parts of your design. 3-step pop-up wizard directs you through the materials definition process. The exceptionally simple to use and highly intuitive selection process provided by CADMatrix brings multiple benefits:



1 Select the material cartridges you would like to be used during printing, check available materials and combinations.



2 Choose a part, then select the material, coating and surface style.



3 This is to summarize all decisions previously made. See the part name with its selected material, surface, and coating. Specify the saving location of the ObjDF file. You can send the file by email or export it for printing on Connex 3D printers.

Ensures model integrity

- Definitions are immediately implemented inside the design, giving you visual confirmation as you work in Pro/ENGINEER.

Easy to use

- Add-in application works inside Pro/ENGINEER.
- 3-step pop-up wizard directs you through the materials definition process.
- Free download from Objet.com (registration is required.)

Saves time

- Pro/ENGINEER outputs a ready-to-print ObjDF file, including material assignment.
- Design cycles are reduced as materials are always correctly assigned, reducing the need for reprints.



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Rapid Prototyping is the ultimate control tool during your design process by enabling complete validation and verification of your design in a realistic 3D model. Objet 3D printing technology is the definitive method for rapid prototyping.

With Objet PolyJet Matrix™ Technology you can do multi-material, multi-part rapid prototyping more easily and accurately than ever before. Connex multi-material 3D printers, utilizing PolyJet Matrix Technology will take your design and print it into a reality. This enables simulation of coating and over-molding applications with realistic shape and superb accuracy.

CADMatrix for Pro/ENGINEER allows you to assign materials during the design process. As a designer, this easy to use add-in smoothes and speeds-up the communication cycle between you and Connex printers. All of the printing information, including material assignment, is encapsulated within the file. Control your design from start to finish, guaranteeing the models will best reflect your design.

CADMatrix for Pro/ENGINEER is available at no charge for download from Objet.com (registration required.)



CONNEX500

Connex™ Family: The World's only Multi-material 3D Printing Systems

The Connex family of Multi-material 3D printing systems offer the unique ability to print parts and assemblies made of multiple model materials with different mechanical or physical properties, all in a single build by creating Digital Materials™ during the printing process. Digital Materials are composites created by combining different FullCure family materials to produce a new Digital Material.

About Objet Geometries

Objet Geometries Ltd., the innovation leader in 3D printing, develops, manufactures and globally markets ultra-thin-layer, high-resolution 3-dimensional printing systems and materials that utilize PolyJet™ polymer jetting technology, to print ultra-thin 16-micron layers.

The market-proven Eden™ line of 3D Printing Systems and the Alaris™30 3D desktop printer are based on Objet's patented office-friendly PolyJet™ Technology. The Connex™ family is based on Objet's PolyJet Matrix™ Technology, which jets multiple model materials simultaneously and creates composite Digital Materials™ on the fly. All Objet systems use Objet's FullCure® materials to create accurate, clean, smooth, and highly detailed 3D parts.

Objet's solutions enable manufacturers and industrial designers to reduce cost of product development and dramatically shorten time-to-market of new products. Objet systems are in use by world leaders in many industries, such as Education, Medical / Medical Devices & Dental, Consumer Electronics, Automotive, toys, consumer goods, and footwear industries in North America, Europe, Asia, Australia, and Japan.

Founded in 1998, Objet serves its growing worldwide customer base through offices in USA, Mexico, Europe, Japan, China and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions. Visit www.objet.com.

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