

# Objet Eden500V™



## Print your biggest ideas with precision.

### Precision prototyping with a large build envelope.

Have an idea that needs a little more elbow room? The Objet Eden500V™ offers 18 different materials along with a large, 500 x 400 x 200 mm (19.7 x 15.7 x 7.9 in) build tray for maximum productivity and versatility. Like all Objet Eden systems, the Objet Eden500V features print layers as fine as 16 microns for models with complex geometries, smooth surfaces and thin walls.

Throughout the design process, Objet Eden500V 3D Printers create accurate prototypes quickly and cost-effectively. Around the world, design, engineering and manufacturing teams are using Objet Eden500V 3D Printers to bring their designs to life, speed development, and eliminate costly manufacturing errors.

### Empower your printing with 18 material options.

The Objet Eden500V offers a wide variety of materials including:

**Transparent materials** (RGD720) for standard plastics simulation requiring dimensional stability and smooth surfaces, as well as (VeroClear™), a nearly colorless material for models, that mimics transparent thermoplastics like Poly(methyl methacrylate) (PMMA)

**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

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

**High Temperature material** (RGD525) for advanced functional testing, hot air and water flow, and static applications

### Backed by proven PolyJet™ technology.

The Objet Eden500V 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 material, 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.

Learn more about  
Objet Eden500V at  
[www.Stratasys.com](http://www.Stratasys.com)



CONTACTEZ VOTRE REVENDEUR :

**CADVISION**  
[www.cadvision.fr](http://www.cadvision.fr)

2, RUE GALILÉE  
78280 GUYANCOURT  
TÉL. 01.39.30.65.06  
FAX. 01.39.30.65.08



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Design  
Series

# Objet Eden500V

## Objet Studio™: Intuitive 3D Printing Software.

Objet Studio makes it simple to build high-quality, accurate 3D models. It automatically transforms STL and SLC files from any 3D CAD application into 3D modeling slices of build material and support. With click-and-build wizards, you can quickly edit trays, assign materials, manage print jobs and perform routine system maintenance.

Objet Studio features:

- Automatic support generation
- On-the-fly slicing so printing can start right away
- Auto-placement of trays for accurate, consistent positioning
- Multi-user networking

## Objet Eden500V 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.

Stratasys | [www.stratasys.com](http://www.stratasys.com) | [info@stratasys.com](mailto:info@stratasys.com)

7665 Commerce Way  
Eden Prairie, MN 55344

+1 888 480-3548 (US Toll Free)  
+1 952 937-3000 (Intl)  
+1 952 937-0070 (Fax)

2 Holtzman St.  
Science Park, PO Box 2496  
Rehovot 76124, Israel  
+972 74 745-4000  
+972 74 745-5000 (Fax)

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## Product Specifications

### Model Material:

- VeroClear
- Rubber-like (Tango)
- FullCure® (RGD720)
- Rigid Opaque (Vero) in white, gray, blue & black
- Simulated Polypropylene (Endur & Durus)
- High Temperature (RGD525)

### Support Material:

FullCure 705 non-toxic gel-like photopolymer support

### Build Size:

490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in)

### Layer Thickness:

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

### Workstation Compatibility:

Windows 7 32/64-bit

### Network Connectivity:

LAN – TCP/IP

### Size and Weight:

*Objet Eden500V:*  
1320 x 990 x 1200 mm  
(52.0 x 39.0 x 47.25 in)  
410 kg (902 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)



Contactez un revendeur près de chez vous:

+ 33 (0)1 39 30 65 06

info@cadvision.fr

# 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.*

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**CADvision SAS**  
2, rue GALILEE  
78280 Guyancourt

**Email** info@cadvision.fr  
**Tel** +33 (0)1 39 30 65 06  
**Fax** +33 (0)1 39 30 65 08

 [www.cadvision.fr](http://www.cadvision.fr)