



Objet Eden 350/350V TM

The 16 Micron Layer 3D Printing System

Enjoy high productivity & flexibility
with outstanding model quality

- Eden350/350V**
 - Ultra-thin-layer PolyJet™ technology
 - 16 micron high resolution ensures smooth surfaces and fine details
 - Tray size: 350x350x200 mm
 - Office environment
 - Wide range of materials: FullCure®720, Tango, Vero and Durus
 - Single support for all model materials
- Eden350V**
 - 72 hours of unattended continuous printing
 - Optimax for automation of resin handling
 - High Quality Printing Modes & High Speed
 - Upgradable to Objet Connex350 3D Printer

Technical Specifications

Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

Tray Size (X×Y×Z)

350×350×200 mm

Net Build Size (X×Y×Z)

340×340×200 mm

Build Resolution

X-axis: 600 dpi

Y-axis: 600 dpi

Z-axis: 1600 dpi

Printing Modes

Eden350: High Quality (HQ): 16-micron

Eden350V: High Quality (HQ): 16-micron High

Speed (HS): 30-micron

Typical Accuracy

20-85um for features below 50mm

Up to 200um for full model size

(for rigid materials only, depending on geometry, build parameters and model orientation)

Material Supported

• Objet FullCure®720: transparent material

• Objet VeroClear: transparent clear material

• Objet Vero family: rigide opaque material

• Objet DurusWhite: polypropylene-like material

• Objet Tango family: rubber-like material

• Objet RGD525: high temperature resistant material

Support Type

• Objet FullCure®705 Support

• Non-toxic gel-like photopolymer support easily removed by WaterJet

Materials Cartridges

Eden350: Sealed 2×3.6 kg cartridges

Eden350V: Sealed 4×3.6 kg cartridges

Automatic switching between cartridges

Easily and instantly replaced through a front-loading door

Power Requirements

110 – 240 VAC 50/60 Hz

1.5 KW single phase

Machine Dimensions (W×D×H)

1320×990×1200 mm

Machine Weight

Net 410 kg

Gross (in crate) 500 kg

Software

Objet Studio™ features:

- Optimax-printing optimum package
- Suggested build orientation and speed, auto-placement
- Automatic real time support structure generation
- Slice on the fly
- PolyLog™ Materials Management
- Network version

Input Format

STL and SLC File

Operational Environment

Temperature 18 – 25 °C

Relative Humidity 30 – 70%

Special Facility Requirements- None

Jetting Heads

SHR (Single Head Replacement), 8 units

Network Communication

LAN – TCP/IP

Compatibility

Windows XP, Windows 2000

*All specification are subject to change without notice



ABOUT OBJET

Objet Ltd., is a leading provider of high quality, cost effective inkjet-based 3D printing systems and materials. A global company, Objet has offices in North America, Europe, Japan, China, Hong Kong, and India.

Objet's 3D printing systems and 3D printing materials are ideal for any company involved in the manufacture or design of physical products using 3D software or other 3D content. Companies using Objet's solutions can be typically found in sectors such as consumer goods & electronics, aerospace & defense, automotive, education, dental, medical and devices, architecture, industrial machinery, footwear, sporting goods, toys and service bureaus.

Founded in 1998, the company has thousands of customers worldwide including a substantial share of the relevant Fortune 100 and Fortune 500. Its award-winning technology (12 awards in 5 years) is based upon over 110 patents and patent pending inventions.

Objet's advanced 3D printing systems and range of over 60 materials enable professionals to build prototypes that accurately simulate the true look, feel and function of an end-product, even complex, assembled goods.

The **Objet Connex™** line of multi-material 3D printers features the world's only technology to simultaneously jet 2 materials. With this, users can print many different materials into a single part and print various mixed parts on the same build tray. Users can also create advanced composite materials, or **Digital Materials™** featuring unique mechanical and thermal properties. Objet's range of over 60 **3D printing materials** simulate properties ranging from **rigid to rubber-like**, **transparent to opaque** and standard to **ABS-grade engineering plastics**, with a large number of in-between shore grades and shades.

Objet's 3D printers are available in a range of form-factors, from cost-effective desktop 3D printers ideal for entry-level professionals all the way to industrial-scale multi-material machines for front-line designers and top manufacturers. Objet's 3D printers feature the industry's highest-resolution 3D printing quality, based on 16-micron (0.0006 in.) super-thin layering, wide material versatility, office friendliness and ease of operation.

For more information, visit us at www.objet.com, and for more about 3D printing industry-related news, business issues and trends, read the [Objet Blog](#).

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