



Eden350/350V™

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



Technical Specifications

Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

Tray Size (XxYxZ)

350x350x200 mm

Net Build Size (XxYxZ)

340x340x200 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

Accuracy

0.1 – 0.3 mm typical (accuracy varies according to geometry, part orientation and print size)

Material Supported

- FullCure®720 Model transparent
- VeroWhite Opaque material
- VeroBlue Opaque material
- VeroBlack Opaque material
- TangoBlack, rubber like flexible material

- TangoGray, rubber like flexible material
- TangoPlus, rubber like flexible material
- Durus opaque material

Support Type

- FullCure®705 Support
- Non-toxic gel-like photopolymer support easily removed by WaterJet

Materials Cartridges

Eden350: Sealed 2x3.6 kg cartridges

Eden350V: Sealed 4x3.6 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 (WxDxH)

1320x990x1200 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 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. Connex500™ 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 3-dimensional models.

Objet's solutions enable manufacturers and industrial designers to reduce cost of product development cycles and dramatically shorten time-to-market of new products. Objet systems are in use by world leaders in many industries, such as automotive, electronics, toy, 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, Europe and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions.

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