



Eden250™

The 16-Micron-layer 3D Printing System

Advance to Eden quality

The cost effective route to superior models

- Ultra-thin-layer PolyJet™ technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 260x260x200 mm
- Office environment
- Wide range of materials: FullCure®720, Vero and Durus
- High Speed & High Quality Printing Modes
- “Click & build” network printer

Technical Specifications

Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

Tray Size (XxYxZ)

260x260x200 mm

Net Build Size (XxYxZ)

250x250x200 mm

Build Resolution

X-axis: 600 dpi

Y-axis: 300 dpi

Z-axis: 1600 dpi

Printing Modes

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

- FullCure®720 Model transparent
- VeroWhite Opaque material

- VeroBlue Opaque material
- VeroBlack Opaque material

Support Type

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

Materials Cartridges

Sealed 2x2 kg 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)

870x735x1200 mm

Machine Weight

Net 280 kg

Gross (in crate) 330 kg

Software

Objet Studio™ features:

- 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°C – 25°C

Relative Humidity 30 – 70%

Special Facility Requirements

None

Jetting Heads

SHR (Single Head Replacement), 4 units

Network Communication

LAN – TCP/IP

Compatibility

Windows XP, Windows 2000

Other Features

- Removable tray for high productivity
- Quiet office operation

*All specification are subject to change without notice



ABOUT OBJET GEOMETRIES

Objet Geometries Ltd., the innovation leader in 3D printing for rapid prototyping and additive manufacturing, provides 3D printing systems that enable manufacturers and industrial designers to reduce cost of product development and dramatically shorten time-to-market of new products.

Objet's ultra-thin-layer, high-resolution 3D printing systems and materials utilize PolyJet™ polymer jetting technology, to print ultra-thin 16-micron layers. The market-proven Objet Eden™ line of 3D Printing Systems and the Objet24 and Objet30 Desktop 3D printers are based on Objet's patented office-friendly PolyJet™ Technology. The Objet 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 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. For more information, visit us at www.objet.com.

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