

16 micron layer 3-Dimensional Printing System

Objet Geometries



EDEN250™

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: 10.2×10.2×7.9 inch (260×260×200 mm)
- Wide range of materials: FullCure®720, VeroWhite™, VeroBlue™, VeroBlack™
- High Speed and High Quality Printing Modes
- “Click & build” network printer
- Office environment



EDEN250™ 16 micron layer 3-Dimensional Printing System

Technical Specifications

Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

Tray Size (X×Y×Z)

10.2×10.2×7.9 inch (260×260×200 mm)

Net Build Size (X×Y×Z)

9.8×9.8×7.9 inch (250×250×200 mm)

Build Resolution

X-axis: 600 dpi

Y-axis: 300 dpi

Z-axis: 1600 dpi

Printing Modes

High Quality (HQ): 0.0006 inch (16-micron)

High Speed (HS): 0.001 inch (30-micron)

Accuracy

0.004–0.008 inch (0.1–0.2 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

Support Type

FullCure®705 Support

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

Materials Cartridges

Sealed 2×4.4 lb. (2×2 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 (W×D×H)

34.3×29×47 inch (870×735×1200 mm)

Machine Weight

Net 617 lb. (280 kg)

Gross (in crate) 727.5 lb. (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 64 °F – 77 °F (18°C – 25°C)

Relative Humidity 30–70%

Special Facility Requirements

None

Jetting Heads

SHR (Single Head Replacement), 4 units

Network Communication

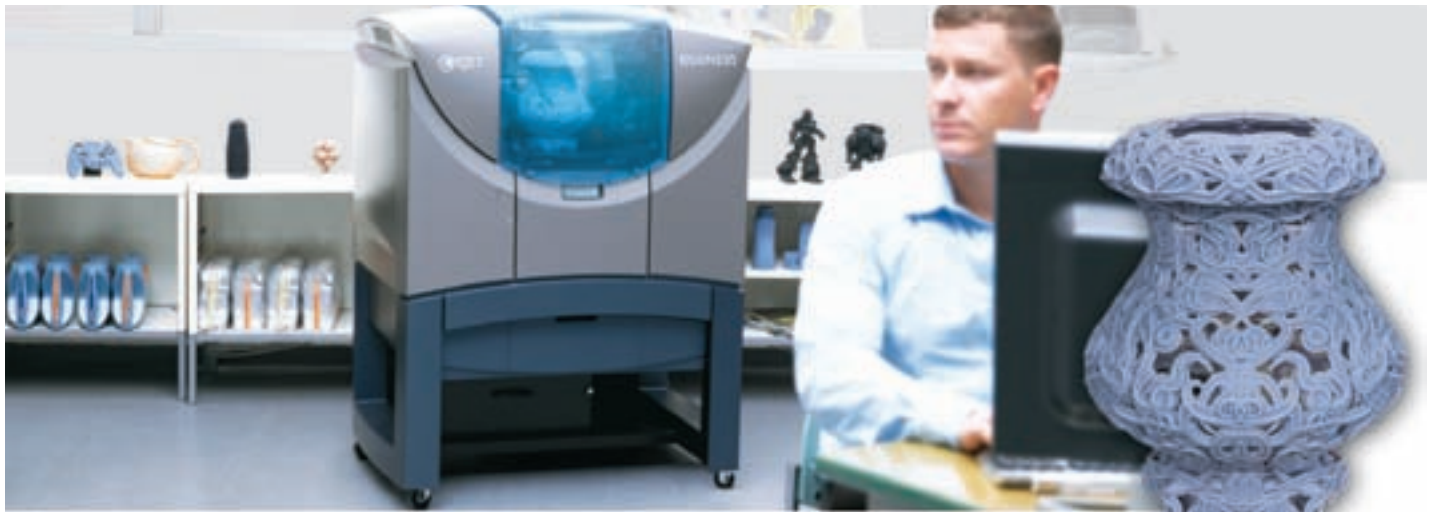
LAN – TCP/IP

Compatibility

Windows XP, Windows 2000

Other Features

- Removable tray for high productivity
- Quiet office operation



About Objet Geometries

A pioneer in jetting photopolymers, Objet Geometries Ltd. develops, manufactures and globally markets ultra-thin layer 3-Dimensional Printing Systems and materials that utilize PolyJet™ Polymer Jetting technology.

PolyJet technology and Objet's high-speed product platform offer accurate, clean, smooth and highly detailed 3-Dimensional models suitable for use in an office-type facility. PolyJet technology enables manufacturers and industrial designers to reduce product development cycles and dramatically shorten time-to-market of new products in many industries. Objet's solutions are in use by world leaders in the automotive, electronics, toy, consumer goods, and footwear industries in North America, Europe, Asia, Australia and Japan. Founded in 1998, Objet is privately owned and holds more than 40 granted and pending patents.

Objet Geometries Ltd.

Headquarters

2 Holzman St., Science Park

P.O.Box 2496,

Rehovot 76124, Israel

Tel: +972-8-931-4314

Fax: +972-8-931-4315

Objet Geometries Inc.

North America

5 Fortune Drive

Billerica,

MA 01821

USA

Tel: 1-877-489-9449

Fax: 1-866-676-1533

Objet Geometries AP

Asia Pacific

13th Floor, Unit 52A, HITEC

1 Trademart Drive, Kowloon Bay,

Hong Kong

Tel: +852-2174-0111

Fax: +852-2174-0555

Objet Geometries Ltd.

Europe

Leuvensesteenweg 388

1932 Sint-Stevens-Woluwe

Belgium

Tel: +32-2-717-6502

Fax: +32-2-717-6500

info@2objet.com

www.2objet.com

©2007 Objet Geometries, Ltd. Objet™, Objet Geometries™, PolyJet™, Eden250™, Eden260™, Eden330™, Eden350™, Eden350V™, Eden500V™, Eden™, SHR™, PolyLog™, QuadraTempo™, Objet Quadra™, FullCure® and Objet Studio™ are trademarks of Objet Geometries Ltd. and may be registered in certain jurisdictions. All other trademarks belong to their respective owners.

