

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: 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)

260×260×200 mm

### Net Build Size (X×Y×Z)

250×250×200 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

### Accuracy

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 2×2 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)

870×735×1200 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

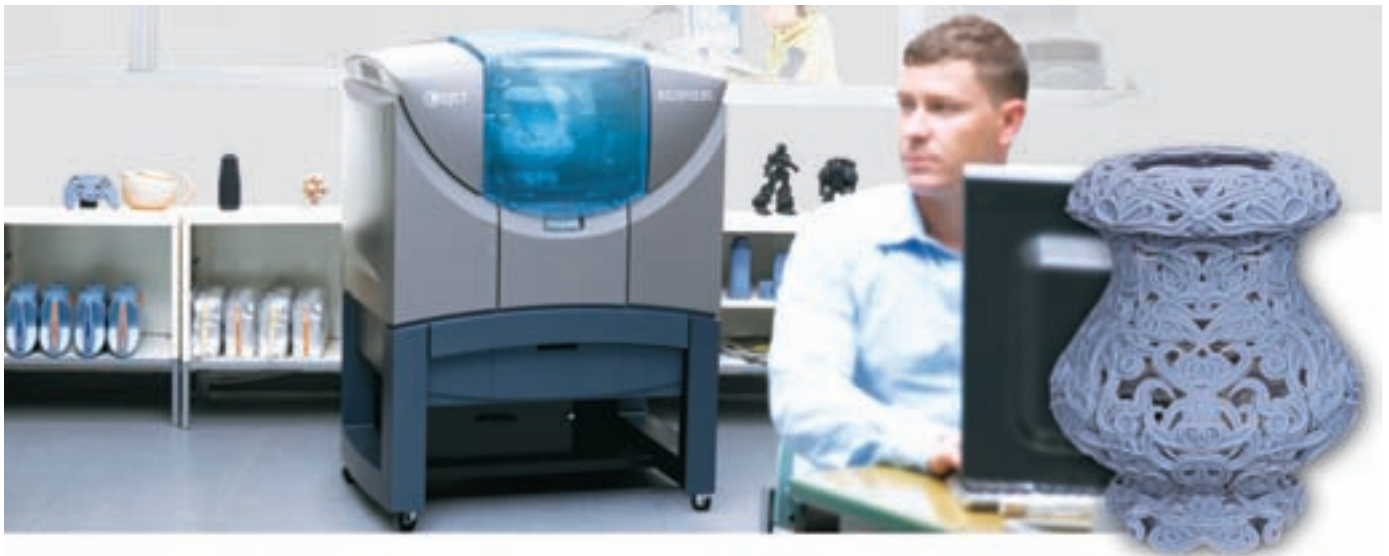
LAN – TCP/IP

### Compatibility

Windows XP, Windows 2000

### Other Features

- Removable tray for high productivity
- Quiet office operation



## 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.

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