



## Eden260V

### The 16 Micron Layer 3-Dimensional Printing System

Superior accuracy, high quality and the power of a large system in a small footprint

- Ultra-thin-layer PolyJet™ technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 260×260×200 mm
- High Speed and High Quality Printing Modes
- Wide range of materials: FullCure®720, Tango, Vero and Durus
- 72 hours of unattended continuous printing
- Optimax for automation of resin handling
- Small footprint: 870×740×1200 mm
- Office environment

### Technical Specifications

#### Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

#### Tray Size (XxYxZ)

260x260x200 mm

#### Net Build Size (XxYxZ)

255x252x200 mm

#### Build Resolution

X-axis: 600 dpi

Y-axis: 600 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
- 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

Sealed 4x3.6 kg cartridges

Automatic switching between cartridges

Easily and instantly replaced through a frontloading 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

- Optimax-printing optimization package
- Automatic real time support structure generation
- Slice on the fly
- PolyLog™ Materials Management
- Network version

#### Input Format

STL and SLI File

#### Operational Environment

Temperature 18°C – 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

#### Other Features

- Removable tray for high productivity
- Quiet office operation

\*All specification are subject to change without notice



### About Objet Geometries

Objet Geometries, the photopolymer jetting pioneer, develops, manufactures and globally markets ultra-thin-layer, high-resolution 3-dimensional printing solutions for rapid prototyping and rapid manufacturing.

The market-proven Eden line of systems is based on Objet's patented office-friendly PolyJet™ technology. Objet's FullCure® materials create accurate, clean, smooth and highly detailed 3-dimensional models, enabling even the most complex 3-D models to be printed with exceptionally high quality, accuracy and speed.

Connex500™, Objet's latest innovation, is based on Objet's PolyJet Matrix™ technology, which offers jetting multiple model materials simultaneously. PolyJet Matrix jets Digital Materials™ creating composite

materials which are fabricated on the fly.

Objet's solutions enable manufactures 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.

#### Objet Geometries Ltd. Headquarters

2 Holtzman st.,  
Science Park,  
P.O. Box 2496,  
Rehovot 76124, Israel  
T: +972-8-931-4314  
F: +972-8-931-4315

#### Objet Geometries Inc. North America

5 Fortune Drive  
Billerica,  
MA 01821  
USA  
T: +1-877-489-9449  
F: +1-866-676-1533

#### Objet Geometries GMBH

Im Leuschnerpark 4,  
64347 Griesheim  
Germany  
T: +49-6155-605-346  
F: +49-6155-605-344

#### Objet Geometries AP Asia Pacific

13th floor, Unit52A,  
HITEC  
1 Trademart Drive  
Kowloon Bay, Hong Kong  
T: +852-217-40111  
F: +852-217-40555

#### Objet Geometries AP Limited China Rep Office

Rm1220, CIMIC Tower,  
1090 Century Blvd,  
Pudong Shanghai  
2000120 P. R. China  
T: +86-21-5836-2468  
F: +86-21-5836-2469

info@objet.com www.objet.com

© 2008 Objet, Quadra, QuadraTempo, PolyJet, FullCure, SHR, Eden, Eden250, Eden260, Eden330, Eden350, Eden350V, Eden500V, Job Manager, Objet Studio, Connex, Connex500, PolyLog, TangoBlack, TangoGray, TangoPlus, VeroBlue, VeroWhite, VeroBlack, Durus, Digital Materials and Polyjet Matrix are trademarks of Objet Geometries Ltd. and may be registered in certain jurisdictions. All other trademarks belong to their respective owners.

