

Objet Eden 3D Printers - Technical Specifications

Tray size - Eden 500V

(X x Y x Z)

19.7 X 15.7 X 7.9 inches
(500mm X 400mm X 200mm)

Tray size - Eden 350/350V

(X x Y x Z)

13.8 X 13.8 X 7.9 inches
(350mm X 350mm X 200mm)

Tray size - Eden 260/260V

(X x Y x Z)

10.2 X 10.2 X 7.9 inches
(260mm x 260mm x 200mm)

Print Resolution

X-axis: 600 dpi: 42 μ
Y-axis: 600 dpi: 42 μ
Z-axis: 1600 dpi: 16 μ

Printing Modes - V Models ONLY

- High Quality (HQ): 16-micron (0.0006 inch)
- High Speed (HS): 30-micron (0.001 inch)

Accuracy

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

Material Supported – Model

- FullCure®720 transparent
- VeroWhite Opaque
- VeroBlue Opaque
- VeroBlack Opaque
- TangoPlus, rubber like flexible
- TangoBlack, rubber like flexible
- TangoBlackPlus, rubber like flexible
- TangoGray, rubber like flexible
- DurusWhite opaque
- Objet VeroClear rigid transparent

Material Supported - Support

- FullCure705 Support
- Non-toxic gel-like photopolymer
- Support easily removed by WaterJet

Materials Cartridges

- Four sealed 3.6 kg (7.9 lb.) cartridges
 - Two different model materials loaded
 - Front loading for quick replacement
- *Eden350 – Sealed 2x3.6 kg cartridges*

Power Requirements

110 – 240 VAC 50/60
1.5 KW single phase

Software Objet Studio™ features:

- Optimax-printing optimization 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°C – 25°C
Relative Humidity 30 – 70%

Jetting Heads

SHR (Single Head Replacement), 8 units

Network Communication

LAN – TCP/IP

Compatibility

Windows XP, Windows 2000

Other Features

Quiet Office operations

Eden500V™



Eden350™ & 350V™



Eden260V™

