Eden260V™

The 16 Micron Layer 3D 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

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Eden260V

The 16 Micron Layer 3D 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)
255×252×200 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

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
- 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 4×3.6 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 (W×D×H)
870×735×1200 mm

Machine Weight
Net 410 kg
Gross (in crate) 500 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 SLC 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

*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.

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Eden350/350V™

The 16 Micron Layer 3D Printing System

Enjoy high productivity & flexibility with outstanding model quality

Eden350/350V

- Ultra-thin-layer PolyJet™ technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 350×350×200 mm
- Office environment
- Wide range of materials: FullCure®720,Tango, Vero and Durus
- Single support for all model materials

Eden350V

- 72 hours of unattended continuous printing
- Optimax for automation of resin handling
- High Quality Printing Modes & High Speed

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Eden350/350V — The 16 Micron Layer 3D Printing System

Technical Specifications

Layer Thickness (Z-axis)
Horizontal build layers down to 16-micron

Tray Size (X×Y×Z)
350×350×200 mm

Net Build Size (X×Y×Z)
340×340×200 mm

Build Resolution
X-axis: 600 dpi
Y-axis: 600 dpi
Z-axis: 1600 dpi

Printing Modes
Eden350: High Quality (HQ): 16-micron
Eden350V: 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
- TangoBlack, rubber like flexible material
- TangoGray, rubber like flexible material
- TanngoPlus, rubber like flexible material
- Durus opaque material

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

Materials Cartridges
Eden350: Sealed 2×3.6 kg cartridges
Eden350V: Sealed 4×3.6 kg cartridges
Automatic switching between 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)
1320×990×1200 mm

Machine Weight
Net 410 kg
Gross (in crate) 500 kg

Software
Objet Studio™ features:
- Optimax-printing optimum 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 – 25 °C
Relative Humidity 30 – 70%

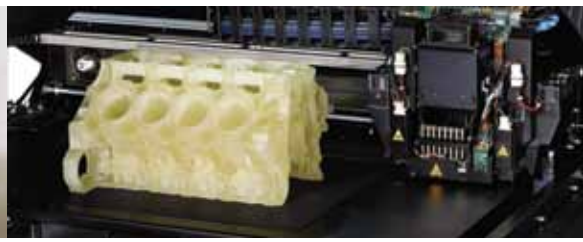
Special Facility Requirements-None

Jetting Heads
SHR (Single Head Replacement), 8 units

Network Communication
LAN – TCP/IP

Compatibility
Windows XP, Windows 2000

*All specification are subject to change without notice

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Eden500V™

The 16 Micron Layer 3D Printing System

Expand your options
with a larger build size, superior quality and accuracy

- Ultra-thin-layer PolyJet™ technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 500×400×200 mm
- Office environment
- Wide range of materials: FullCure®720, Tango, Vero and Durus
- Single support for all model materials
- 72 hours of unattended continuous printing
- High Speed and High Quality Printing Modes
- Optimax for automation of resin handling

OBJET

Eden500V™

The 16 Micron layer 3D Printing System

Technical Specifications

Layer Thickness (Z-axis)
Horizontal build layers down to 16-micron

Tray Size (X×Y×Z)
500×400×200 mm

Net Build Size (X×Y×Z)
490×390×200 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

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
- TangoBlack, rubber like flexible material
- TangoGray, rubber like flexible material
- TanngoPlus, 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 4×3.6 kg cartridges
Automatic switching between 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)
1320×990×1200 mm

Machine Weight
Net 410kg
Gross (in crate) 500 kg

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

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