



# Objet Geometries

## Product Brochure

3D Printers and Materials





# Product Brochure

## 3D Printers and Materials



Alaris30



Eden Family



Connex Family

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# Alaris30



## Alaris30

Affordable Desktop  
3D Printing System

- Affordable solution leveraging Objet PolyJet™ technology
- Best-in-class solution that is more accurate than competitor 3D printers
- Single material optimized for various functions
  - Creates true-to-life parts of any kind with smooth and accurate surfaces enabling painting and vacuum forming
  - Durability and precision enable highly accurate rapid tooling and fit, form and functional testing
- Suitable for any business environment including office, lab, workshop



# Alaris30



**Alaris30**

<b>Alaris30</b>	
Layer Thickness	Horizontal build layers down to 28-micron
Tray Size (XxYxZ)	300x200x150 mm (11.8x7x87x5.9 in)
Net Build Size (XxYxZ)	294x196x150 mm (11.57x 7.72x5.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 900 dpi
Printing Modes	High Speed (HS): 28-micron (0.0011 in)
Accuracy	0.1 – 0.2 mm (0.004 – 0.008 in)
Material Cartridges	1 model cartridge 1 support cartridge Net weight: 1kg (2.2 lbs)
Machine Dimensions	852x620x590 mm (32.28x24.4x23.22 in)
Machine Weight	Net 83 kg (183 lbs)

SAAB 900 260 L

## Eden Family



### Eden Family

Professional line of  
3D Printing Systems

- High-resolution printing provides smooth surfaces and fine details
- Offer a wide range of 3D printing solutions: multiple systems with various tray sizes and speeds
- Ideal for multiple applications: materials versatility based on wide range of FullCure materials
- Suitable for any office environment



## Eden Family



### Eden250

<b>Eden250</b>	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	260x260x200 mm (10.2x10.2x7.9 in)
Net Build Size (XxYxZ)	250x250x200 mm (9.8x9.8x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 300 dpi Z-axis: 1600 dpi
Printing Modes	High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)
Accuracy	0.1 – 0.2 mm (0.004 – 0.008 in)
Material Cartridges	1 model cartridge 1 support cartridge Net weight: 2 kg (4.4 lbs)
Machine Dimensions	870x735x1200 mm (34.3x29x47 in)
Machine Weight	Net 280 kg (617 lb)

## Eden Family



**Eden260V**

<b>Eden260V</b>	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	260x260x200 mm (10.2x10.2x7.9 in)
Net Build Size (XxYxZ)	255x252x200 mm (10.2x9.8x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 1600 dpi
Printing Modes	High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)
Accuracy	0.1 – 0.2 mm (0.004 – 0.008 in)
Material Cartridges	2 model cartridges 2 support cartridges Net weight: 3.6 kg (7.9 lbs) or 1.44 kg (3.17 lbs) for Tango and DurusWhite
Machine Dimensions	870x735x1200 mm (34.3x29x47 in)
Machine Weight	Net 280 kg (617 lbs)

## Eden Family



### Eden350/350V

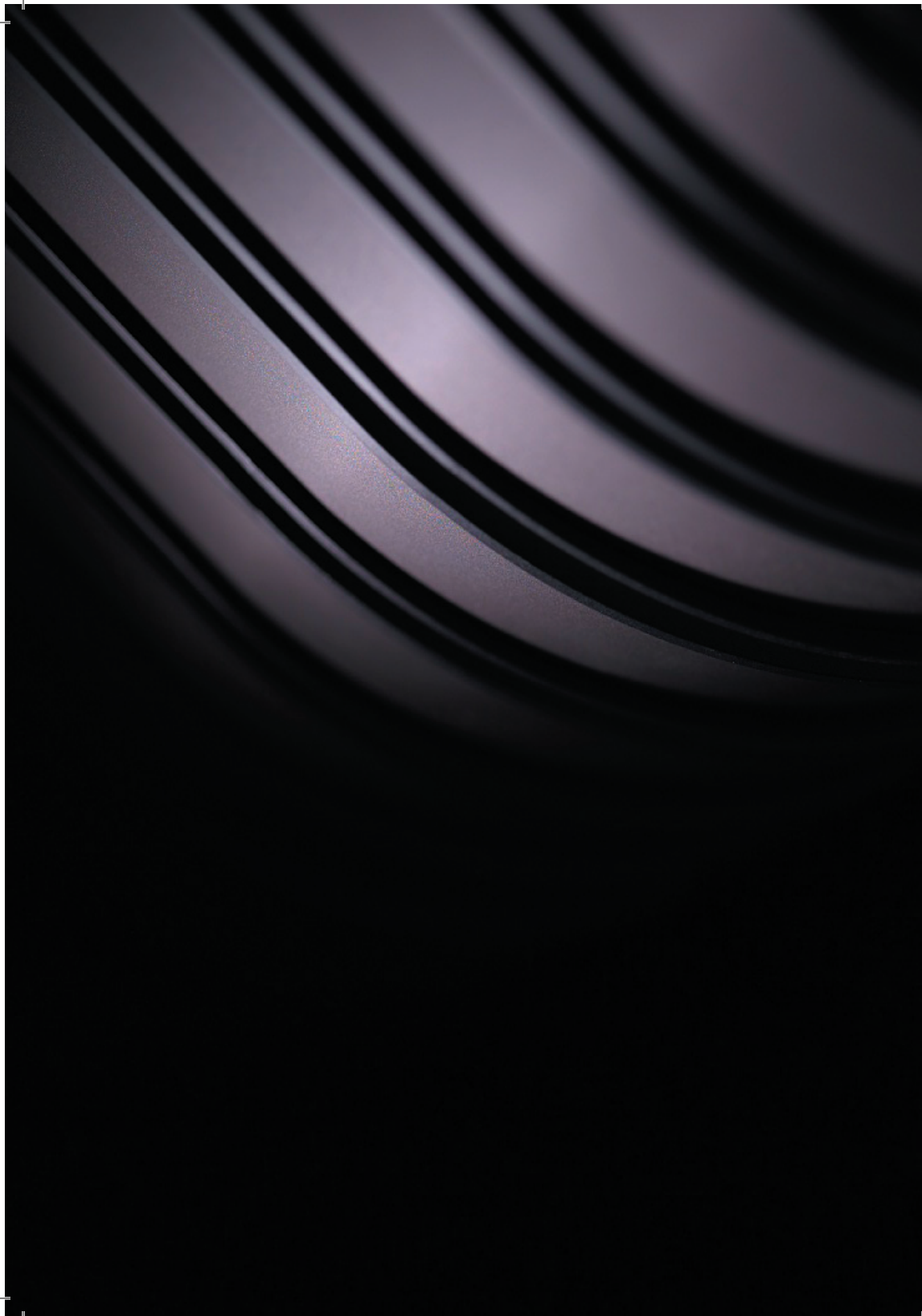
Eden350/350V	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	350x350x200 mm (13.8x13.8x7.9 in)
Net Build Size (XxYxZ)	340x340x200 mm (13.4x13.4x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 1600 dpi
Printing Modes	High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)* *(only for Eden350V)
Accuracy	0.1 – 0.3 mm (0.004 – 0.01 in)
Material Cartridges	<b>Eden350:</b> 1 model cartridge 1 support cartridge Net weight: 3.6 kg (7.9 lbs) <b>Eden350V:</b> 2 model cartridges 2 support cartridges Net weight: 3.6 kg (7.9 lbs) or 1.44 kg (3.17 lbs) for Tango and DurusWhite
Machine Dimensions	1320x990x1200 mm (52x39x47 in)
Machine Weight	Net 410 kg (727.5 lbs)

## Eden Family



### Eden500V

<b>Eden500V</b>	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	500x400x200 mm (19.7x15.7x7.9 in)
Net Build Size (XxYxZ)	490x390x200 mm (19.3x15.4x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 1600 dpi
Printing Modes	High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)
Accuracy	0.1 – 0.3 mm (0.004 – 0.01 in)
Material Cartridges	2 model cartridges 2 support cartridges Net weight: 3.6 kg (7.9 lbs) or 1.44 kg (3.17 lbs) for Tango and DurusWhite
Machine Dimensions	1320x990x1200 mm (52x39x47 in)
Machine Weight	Net 410 kg (727.5 lbs)



## Connex Family



### Connex Family

World's only Multi-material  
3D Printing Systems

- Based on Objet's PolyJet Matrix™ technology - the only technology to enable simultaneous jetting of different types of model materials
- Enables closer-than-ever simulation of end product mechanical properties and color tones by creating composite Digital Materials™
- Maximizes productivity by enabling printing of different parts made with different materials in a single build
- Suitable for any office environment



## Connex Family



### Connex350

<b>Connex350</b>	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	350x350x200 mm (13.8x13.8x7.9 in)
Net Build Size (XxYxZ)	342x342x200 mm (13.4x13.4x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 1600 dpi
Printing Modes	Digital Material (DM): 30-micron (0.001 in) High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)
Accuracy	0.1 – 0.3 mm (0.004 – 0.01 in)
Material Cartridges	2 model cartridges 2 support cartridges Net weight: 3.6 kg (7.9 lbs) or 1.44 kg (3.17 lbs) for Tango and DurusWhite
Machine Dimensions	1420x1120x1130 mm (55.9x44.1x44.5 in)
Machine Weight	Net 500 kg (Net 1102 lbs)

## Connex Family



### Connex500

<b>Connex500</b>	
Layer Thickness	Horizontal build layers down to 16-micron
Tray Size (XxYxZ)	500x400x200 mm (19.7x15.7x7.9 in)
Net Build Size (XxYxZ)	490x390x200 mm (19.3x15.4x7.9 in)
Build Resolution	X-axis: 600 dpi Y-axis: 600 dpi Z-axis: 1600 dpi
Printing Modes	Digital Material (DM): 30-micron (0.001 in) High Quality (HQ): 16-micron (0.0006 in) High Speed (HS): 30-micron (0.001 in)
Accuracy	0.1 – 0.3 mm (0.004 – 0.01 in)
Material Cartridges	2 model cartridges 2 support cartridges Net weight: 3.6 kg (7.9 lbs) or 1.44 kg (3.17 lbs) for Tango and DurusWhite
Machine Dimensions	1420x1120x1130 mm (55.9x44.1x44.5 in)
Machine Weight	Net 500 kg (Net 1102 lbs)

## FullCure Materials

	Alaris30	Eden250	Eden260V	Eden350/350V
<b>FullCure® 720</b> <ul style="list-style-type: none"> <li>• General purpose</li> <li>• Transparent</li> </ul>		•	•	•
<b>Vero Family</b> <ul style="list-style-type: none"> <li>• Opaque colors</li> <li>• Excellent detail visualization</li> </ul>	• VeroWhite only	•	•	•
<b>DurusWhite</b> <ul style="list-style-type: none"> <li>• Polypropylene simulation</li> </ul>		•	•	•
<b>Tango Family</b> <ul style="list-style-type: none"> <li>• Rubber-like flexible</li> <li>• Multiple elasticity options</li> </ul>			•	•
<b>Hearing Aids</b> <ul style="list-style-type: none"> <li>• Available in three color tones</li> </ul>			•	• Eden350 only
<b>FullCure® 705</b> <ul style="list-style-type: none"> <li>• Universal support for all model materials</li> </ul>	•	•	•	•
<b>Digital Materials</b> <ul style="list-style-type: none"> <li>• Composite materials combining two FullCure materials</li> <li>• 48 different Digital Materials</li> <li>• Varying mechanical properties</li> </ul>				

Eden500V	Connex350	Connex500	
•	•	•	
•	•	•	  
•	•	•	
•	•	•	  
			  
•	•	•	
	•	•	  

# Medical Approvals

Material	Medical Approvals
FullCure720	Cytotoxicity
	Irritation
	Sensitization
	USP Class VI
	Genotoxicity, Ames test
FullCure705	Irritation
	Sensitization
	Genotoxicity, Ames test
VeroWhite	Genotoxicity
Hearing Aid Materials	Genotoxicity
	Irritation
	Sensitization
	USP Class VI

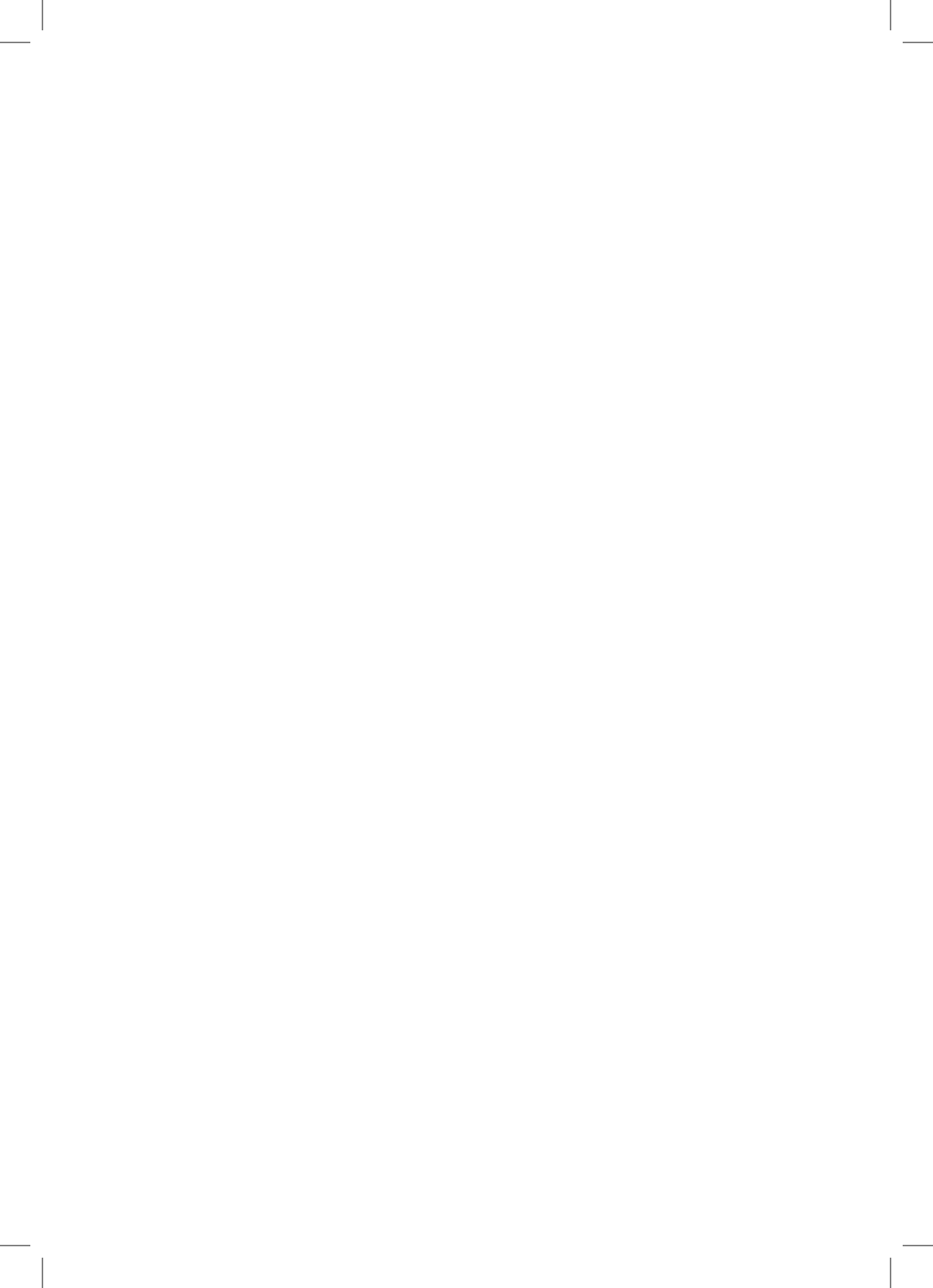
\*Approvals are subject to post processing of parts and system maintenance as described in Objet's regulatory documents.













## About Objet Geometries

Objet Geometries Ltd., the innovation leader in 3D printing, develops, manufactures and globally markets ultra-thin-layer, high-resolution 3-dimensional printing systems and materials that utilize PolyJet™ polymer jetting technology, to print ultra-thin 16-micron layers.

The market-proven Eden™ line of 3D Printing Systems and the Alaris™30 3D desktop printer are based on Objet's patented office-friendly PolyJet™ Technology. The 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's solutions enable manufacturers and industrial designers to reduce cost of product development and dramatically shorten time-to-market of new products. 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.

Founded in 1998, Objet serves its growing worldwide customer base through offices in USA, Mexico, Europe, Japan, China and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions. Visit [www.objet.com](http://www.objet.com).

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