Objet24

Your gateway to precision prototyping.

Create true-to-life models in-house with the Objet24™. Print in layers thinner than a human hair for astonishingly accurate prototypes. With Objet24 on your team, you have unlimited power to innovate – at a price you can afford.

The Objet24 is the first desktop system to print realistic models with small moving parts, thin walls and smooth, paintable surfaces. Using PolyJet™ 3D Printing technology, the Objet24 features 28µ print layers and a 240 x 200 x 150 mm (9.45 x 7.87 x 5.9 in) tray size. The Objet24 is ideal for designers and engineers looking to produce highly accurate models for visual aids, fit and assembly testing and functional applications.

The Objet24 uses rigid white opaque material (VeroWhitePlus™), which is perfect for general-purpose 3D modeling and prototyping. Combining dimensional stability and high-detail visualization, this photopolymer closely resembles the look of the end product. It can be painted, drilled, machined or used for vacuum forming.

Universal solution for any product designer.

Concept modeling lets small design and engineering firms extend their reach by testing more ideas and developing only the right projects. For large companies, concept modeling within departments — or even in individual cubicles — is a way to hone ideas before presenting them to superiors.
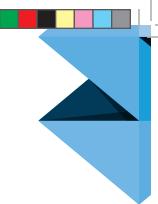
3D printed concept models are valuable communication tools, conveying ideas to colleagues, clients and marketers in a way that a computer model never could.

LEARN MORE ABOUT OBJET24 AT STRATASYS.COM

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THE **3D PRINTING SOLUTIONS** COMPANY

Objet24

PRODUCT SPECIFICATIONS

Model Material:
Rigid Opaque (VeroWhitePlus)

Support Material:
FullCure 705 non-toxic gel-like photopolymer support

Build Size:
234 x 192 x 148.6 mm (9.21 x 7.55 x 5.85 in)

Build Resolution:
X-axis: 600 dpi; Y-axis: 600 dpi;
Z-axis: 900 dpi

Accuracy: 0.1 mm (0.0039 in) - varies according to geometry, part orientation and print size

Layer Thickness: Horizontal build layers down to 28-microns (0.0011 in)

Workstation Compatibility:
Windows XP/Windows 7/Windows 8

Network Connectivity:
Ethernet TCP/IP 10/100 base T

Size and Weight: Objet24: 82.5 x 62 x 59 cm (32.28 x 24.4 x 23.22 in) 93 kg (205 lbs)

Power Requirements:
Single phase:

- 100-120V~; 50-60Hz; 7A
- 200-240V~; 50-60Hz; 3.5A

Regulatory Compliance:
CE/FCC/RoHS

Operating Conditions:
Temperature 18-25 °C (64-77 °F); relative humidity 30-70%

Special Facility Requirements:
There are no special facility requirements.

THE POWER OF PROFESSIONAL 3D PRINTING ON YOUR DESKTOP.

Backed by proven PolyJet technology.

The Objet24 employs patented PolyJet technology. PolyJet 3D Printing is similar to inkjet document printing. Instead of jetting drops of ink onto paper, PolyJet 3D Printers jet layers of liquid photopolymer onto a build tray and cure them with UV light. The layers build up one at a time to create a 3D model or prototype. Fullycured models can be handled and used immediately, without additional post-curing. Along with the selected model material, the 3D printer also jets a gel-like support material specially designed to uphold overhangs and complicated geometries.

PolyJet 3D Printing technology has many advantages for rapid prototyping, including professional quality and speed, high precision, and a wide variety of materials. PolyJet technology is a perfect solution for precision prototyping needs and sets the standard for finished-product realism.

Objet StudioTM : Intuitive 3D Printing Software.

Objet Studio makes it simple to build high-quality, accurate 3D models. It automatically transforms STL files from any 3D CAD application into 3D modeling slices of build material and support. You can quickly edit trays, assign materials, manage and monitor print jobs. Objet Studio features:

- Automatic support generation
- On-the-fly slicing so printing can start right away
- Auto-placement of parts for the fastest build time
- Estimates for job duration and material consumption

Objet24 Makes 3D Printing As Easy As 1-2-3.

1. **Prepare the file.** Create your 3D model with 3D CAD software, then open Objet Studio software, upload the STL file and click "print". Objet Studio converts your STL file into 3D model print paths – including support structures.
2. **Print your model.** PolyJet technology makes it possible to build your 3D model and its support material – layer by layer – from the bottom up.
3. **Remove supports.** Take your printed model out of the printer's build chamber and easily remove support material.

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HEADQUARTERS
7665 Commerce Way, Eden Prairie, MN 55344
+1 888 480-3548 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

2 Holtzman St., Science Park, PO Box 2496
Rehovot 76124, Israel
+972 74 745-4000
+972 74 745-5000 (Fax)

E info@stratasys.com / STRATASYS.COM
ISO 9001:2008 Certified