

Objet30 Pro

Professional Desktop 3D Printer

Now with 7 Materials including Clear Transparent and High Temperature!



The Ultimate in Professional Desktop 3D Printing

High End Performance with a Small Footprint

The **Objet30 Pro** is a 3D printer that combines the accuracy and versatility of a high-end rapid prototyping machine with the small footprint of a regular desktop printer. The **Objet30 Pro** provides a number of unique capabilities in one machine: the industry's highest level print resolution and 7 different 3D printing materials. In fact, the **Objet30 Pro** is the world's only desktop 3D printer capable of printing in clear transparent material, high-temperature resistant material and polypropylene-like material.

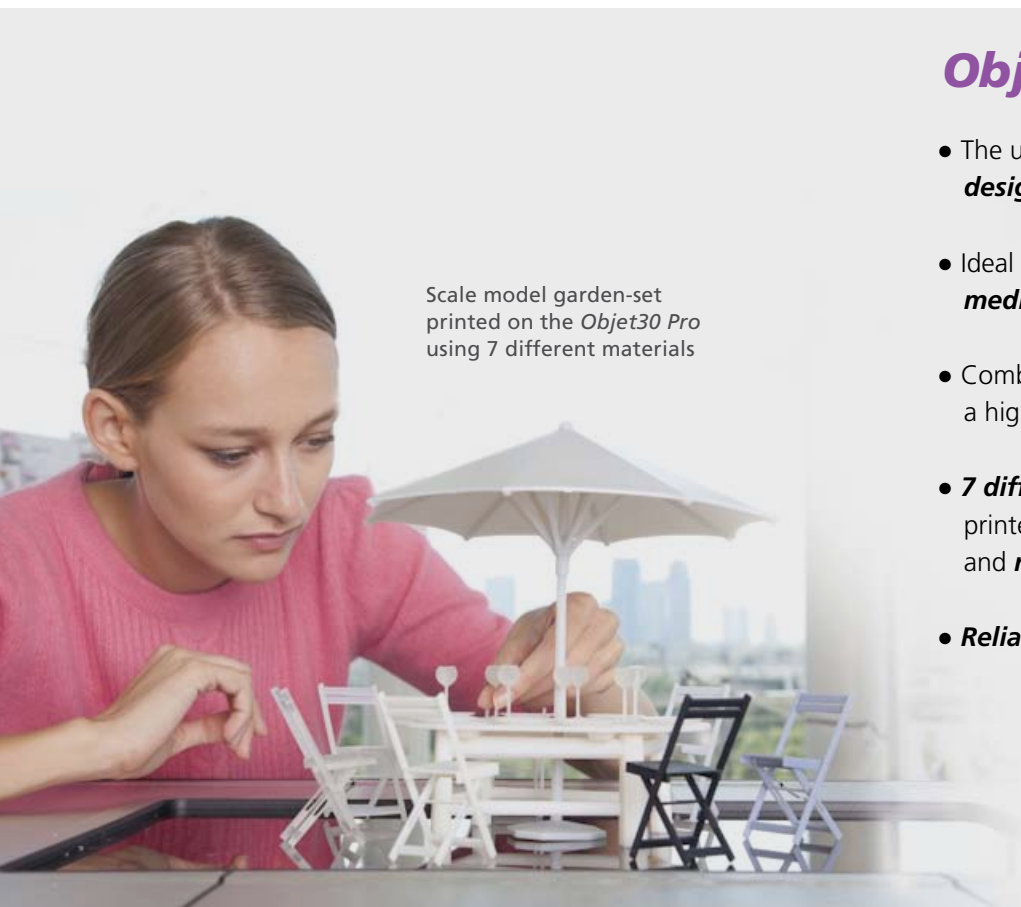
Combine these with Objet's obsession with reliability and ease of use and you get a world-class 3D printer for every prototyping capability that you could need, in-house.

Built with your Applications Needs in Mind

Featuring a compact build tray size of 300 X 200 X 150 mm, the **Objet30 Pro** is ideal for the rapid prototyping needs of companies producing Consumer Goods, Consumer Electronics, Medical Devices as well as Rapid Prototyping Service Bureaus and Design Consultancies.

Ensure the Successful Delivery of Product Concept to Creation

Packing a punch well beyond its size, the **Objet30 Pro** is the ultimate prototyping solution for designers, engineers and product managers. By providing the industry's highest levels of prototyping accuracy and material versatility, the **Objet30 Pro** ensures dramatic cuts to product development times and promises the successful delivery of concept to final product creation.

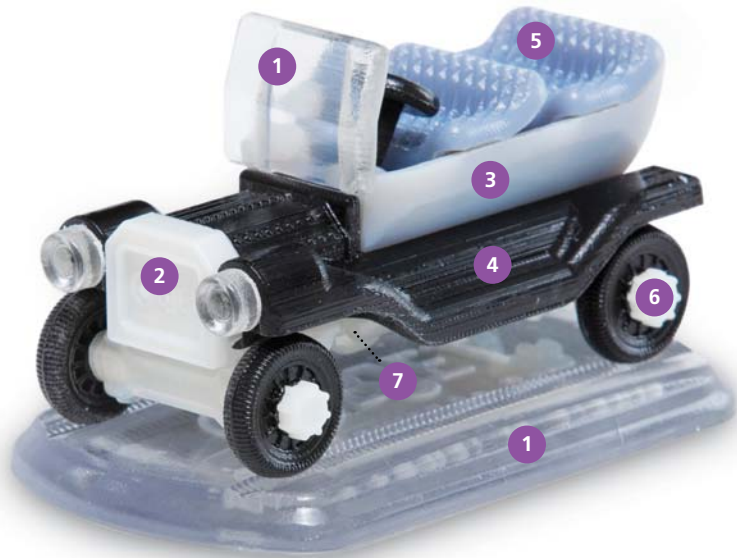


Scale model garden-set
printed on the *Objet30 Pro*
using 7 different materials

Objet30 Pro at a Glance:

- The ultimate prototyping solution for **designers, engineers** and **product managers**
- Ideal for **consumer goods, consumer electronics, medical devices** and **design consultancies**
- Combines the **accuracy** and **versatility** of a high-end RP machine **with a small footprint**
- **7 different materials**; the world's only desktop 3D printer with **clear transparent, high temperature** and **rigid opaque polypropylene-like materials**.
- **Reliable** and **easy to use**

The Industry's Widest Desktop Versatility with 7 Materials



- 1 **Windscreen, Headlamps & Base –**
in **Objet Transparent Material** (Objet VeroClear) for fit and form testing of transparent parts & PMMA simulation
- 2 **Engine & Radiator –**
in **Objet High Temperature Material** for advanced functional testing, hot air & water flow, static applications & exhibition modeling
- 3 **Bodywork –**
in **Objet Rigid Gray Material** (Objet VeroGray) ideal for fine detail emphasis and superior dimensional stability
- 4 **Chassis & Wheels –**
in **Objet Rigid Black Material** (Objet VeroBlack)
- 5 **Seats –**
in **Objet Rigid Blue Material** (Objet VeroBlue) ideal for fine detail emphasis & photography
- 6 **Hubcaps –**
in **Objet Rigid White Material** (Objet VeroWhitePlus) for multi-purpose applications
- 7 **Axels & Crankshaft –**
in **Objet Polypropylene-like Material** (Objet DurusWhite) for Polypropylene like snap fits applications

Technical Specifications - *Objet30 Pro*

Layer Thickness (Z-axis)

Horizontal build layers of 28 microns (0.0011 inch)

Horizontal build layers of 16 microns for VeroClear material (0.0006 inch)

Tray Size (X×Y×Z)

300 × 200 × 150 mm
(11.81 × 7.87 × 5.9 inches)

Net Build Size (X×Y×Z glossy)

294 × 192 × 148.6 mm
(11.57 × 7.55 × 5.85 inches)

Build Resolution

X-axis: 600 dpi
Y-axis: 600 dpi
Z-axis: 900 dpi

Accuracy (glossy) @ Operating Environment

0.1 mm (0.0039 inch) typical
Accuracy may vary depending on part geometry, size, orientation, material and post processing method

Model Materials

- VeroClear Transparent
- RGD525 High Temperature
- VeroWhitePlus Opaque
- VeroBlue Opaque
- VeroBlack Opaque
- VeroGray Opaque
- DurusWhite Polypropylene-like

Support Material

- FullCure®705
- Non-toxic gel-like photopolymer
- Easily removed by WaterJet

Materials Cartridges

Sealed 4 × 1 kg (2.2 lbs) cartridges

Power Requirements

Single phase:
100 to 200VAC; 50/60Hz; 7A
200 to 240VAC; 50/60Hz; 3.5A

Product Dimensions (W×D×H)

82.5 × 62 × 59 cm
(32.28 × 24.4 × 23.22 inches)

Product Weight

93 kg (205 lbs)

Frontend Software

- Objet Studio™ features:
- Automatic build orientation
 - Automatic real time support structure generation
 - Slice on the fly

OS Workstation Compatibility

Windows XP, Windows 7 32/64-bit

Network Connectivity

Ethernet TCP/IP 10/100 base T

Input File Format

STL and SLC Files

Operating Environment

Temperature:
18°C to 25°C (64°F to 77°F)
Humidity:
30 to 70% RH (non-condensing)

Special Facility Requirements

None

Jetting Heads

2 printing heads
SHR (Single Head Replacement)

Regulatory Compliance

CE/FCC/RoHS

Other Features

Quiet office operation

*All specifications are subject to change without notice



THE POWER TO CREATE

ABOUT OBJET

Objet Ltd., is a leading provider of high quality, cost effective inkjet-based 3D printing systems and materials. A global company, Objet has offices in North America, Europe, Japan, China, Hong Kong, and India.

Objet's 3D printing systems and 3D printing materials are ideal for any company involved in the manufacture or design of physical products using 3D software or other 3D content. Companies using Objet's solutions can be typically found in sectors such as consumer goods & electronics, aerospace & defense, automotive, education, dental, medical and medical devices, architecture, industrial machinery, footwear, sporting goods, toys and service bureaus.

Founded in 1998, the company has thousands of customers worldwide including a substantial share of the relevant Fortune 100 and Fortune 500. Its award-winning technology (13 awards in 8 years) is based upon over 110 patents and patent pending inventions.

Objet's advanced 3D printing systems and range of about 70 materials enable professionals to build prototypes that accurately simulate the true look, feel and function of an end-product, even complex, assembled goods.

The **Objet Connex™** line of multi-material 3D printers features the world's only technology to simultaneously jet 2 materials. With this, users can print many different materials into a single part and print various mixed parts on the same build tray. Users can also create advanced composite materials, or **Digital Materials™** featuring unique mechanical and thermal properties. Objet's range of about 70 **3D printing materials** simulate properties ranging from **rigid** to **rubber-like**, **transparent** to **opaque** and **standard** to **ABS-grade engineering plastics**, with a large number of in-between shore grades and shades.

Objet's **3D printers** are available in a range of form-factors, from cost-effective desktop 3D printers ideal for entry-level professionals all the way to industrial-scale multi-material machines for front-line designers and top manufacturers. Objet's 3D printers feature the industry's highest-resolution 3D printing quality, based on 16-micron (0.0006 in.) super-thin layering, wide material versatility, office friendliness and ease of operation.

For more information, visit us at www.objet.com, and for more about 3D printing industry-related news, business issues and trends, read the [Objet Blog](#).

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