

Frequently Asked Questions

How much does it cost to print an object?

The ABS plastic is sold 700gram rolls. So it's easy to calculate what a printed object will cost by it's weight. You can also choose to print your objects either as a solid, semi solid or semi hollow thus saving on material costs. On average customers use one roll of ABS per month, with approximately 100 prints. Before you print, you can preview the job and it will tell you how long and how much material it is estimated to use.

Approximately how long does it take to print?

This depends on size, resolution and fill type (solid, hollow). For example a pair of earrings would take 15mins and cost 30cents, the human skull would take 3hrs and cost \$12 in material.

Can it print in different colours?

Currently White is the only colour, other colours of ABS plastic available from July 2011.



Can it print in different materials?

You can tweak the temperature and try other materials, however doing so is unsupported. Some users have had success with PLA which suites investment casting.



Example Printed Shell

Weight: 70 grams
Print time: 3hrs 18mins
Dimension: 120 x 120 x 130mm


Final cost to print \$7.50



Build platform:	W:140 x D:140 x H:135mm
Layer thickness:	0.2mm, 0.25mm, 0.3mm or 0.4mm
Print Heads:	1
Supports:	Automatic and printed at a lower density.
Dimension:	W:245 x D:260 x H:350mm
Printer Weight:	5kg
Shipping Weight:	10kg
Power input:	110-220VAC, 50-60Hz, 220W
Power output:	20VDC 11amp & 12VDC 1amp
Connectivity:	USB (Print job stored on Printer, ability to turn off PC during printing.)
Consumables:	White ABS Plastic 1.75mm filament in 700g spools. 1 roll white included. * Other Colours available July 2011
Software:	STL 3D layout and printing software
Operating System:	Windows XP, Windows Vista, Windows 7, MAC July 2011.
Unboxing to print:	+/- 5 minutes
Included:	All tools to maintain and service the printer, software, platform adhesive, automatic feeder, 1 free roll of ABS, files to print spare parts and calibrate.
Warranty:	12 month return to base.

 Your Local Dealer

 AU: +61 (0)7 4529 0167
Web: www.3DPrintingSystems.com.au
Email: sales@3DPrintingSystems.com.au

 NZ: +64 (0)9 281 4206
Web: www.3DPrinting.co.nz
Email: sales@3DPrinting.co.nz



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DESKTOP 3D PRINTER



 **3D PRINTING SYSTEMS**
www.3DPrintingSystems.com

3D Software

Included with the Desktop 3D Printer is an easy to use "click to print" software package to assist you with laying out and printing your 3D models.



Features:

- Opens STL file format.
- Print Preview (time and weight).
- Layer thickness 0.2mm, 0.25mm or 0.4mm
- Print speed - slow, normal or fast.
- Automatic placement
- Scale, Move and Rotate
- Material usage counter
- Layout multiple objects to print
- Calibrate and initialise.

Compatible with most 3D CAD packages that can export to STL.
Example: Google Sketchup with free STL plugin, SolidWorks, Alibre, Rhino 3D etc

Markets

Our advanced UP! 3D Printer is easy to operate and suites just about every market.

- Education
- Product Design and Engineering
- Automotive
- Consumer Electronics and Products
- Medical and Dental

3D Printing

Idea - Design - Print

Unique Features

- Low cost of ownership
- Reliable
- High Accuracy
- 0.2mm / 200 micron layer thickness

Once printed models can be:

- Painted, drilled, machined and used as a mold.

Easy to Use:

- Out of the box printing in 5 minutes.
- No training required.
- Easy to operate and simple to maintain.

Consumables:

- Strong White ABS Plastic supplied in 700g rolls. Other colours available July 2011.



Software:

- Layout and printing software included



RRP NZ\$ 4,495 +GST
1 Roll 700g ABS \$75 +GST



RRP AU\$ 3,532 +GST
1 Roll 700g ABS \$59 +GST

Price includes 1 free roll ABS plastic.
Excludes duties, taxes etc if any.

Overview

The Affordable UP! 3D Printer that transforms your ideas into three-dimensional tough ABS plastic models, right from your desktop into your hands.

3D printing is a form of additive manufacturing technology where parts are built by melting plastic and laying it down in successive layers to form a complete part.

The UP! Desktop 3D Printer is small enough to fit on your desk, easy to use and affordable enough for most users.

Functional bearing printed complete with balls in one go.



Cost to print \$2.10

