

dimension

#1 IN 3D PRINTERS

The world's  
standard  
for creating  
cost-effective  
working  
models  
right at  
your desk.



# It's true.

The first 10% of the product development process can affect about 80% of the product's total cost. Amazing!

But what's even more amazing is how functional 3D models and parts, created on Dimension printers, enable you and your design team to make smarter design decisions. The result: Fewer design changes, better product designs, lower production costs and a shorter time to get your product to market.

3D printing has never been more affordable and Dimension 3D Printers can pay for themselves faster than you think.

All Dimension printers operate in an office environment and produce strong high-quality ABS models, allowing you to test for form fit and function.

The Dimension 768 series utilizes our traditional ABS material. Dimension 1200es printers use *ABSplus*<sup>™</sup> producing tougher, larger models and prints at even faster speeds.

## You simply click "print" and your design is sent to the printer.

All our networked printers are very easy to install and operate. Each printer runs on our Catalyst<sup>®</sup> EX software which automatically imports STL files, orients the part, slices the file, generates support structures (if necessary) and creates a precise deposition path to build your ABS model. Multiple models can be packed within the build envelope to maximize efficiency. Dimension 3D Printers run unattended and provide system and build status information at your computer.



### Breakaway Support Technology Printers

#### Dimension BST 768

203 x 203 x 305 mm

8 x 8 x 12" Build Size

Featuring ABS Material

#### Dimension BST 1200es

254 x 254 x 305 mm

10 x 10 x 12" Build Size

Featuring *ABSplus* Material

### Soluble Support Technology Printers

#### Dimension SST 768

203 x 203 x 305 mm

8 x 8 x 12" Build Size

Featuring ABS Material

#### Dimension SST 1200es

254 x 254 x 305 mm

10 x 10 x 12" Build Size

Featuring *ABSplus* Material

Dimension BST (Breakaway Support Technology) Printers are network compatible and produce durable working models from ABS with the click of a button. Once the model is printed, simply remove the model from the printer, peel away the supports and begin using the functional model.

Dimension SST (Soluble Support Technology) Printers incorporate the same technology as the Dimension BST Printers to create high-quality working ABS models. The difference is that Dimension SST Printers feature an automated support removal process. You simply remove the model from the system and place it into cleaning station that automatically removes the support structures. Essentially, the Dimension SST Printers allow for "hands free" printing.

# Now look what you've done.



Unlike appearance prototypes produced in weak materials, Dimension 3D Printers generate durable, working models in ABS (acrylonitrile butadene styrene) plastic. ABS 3D prints can withstand rigorous functional testing. ABS is the material of choice by leading manufacturers and is a major reason why Dimension is the fastest selling, office-friendly machine of its kind.

## Dream in Color

Dimension materials are offered in a variety of colors. Our traditional ABS is offered in white, red, blue, green, black, gray and yellow. ABSplus is available in natural, red, blue, olive green, black, gray, fluorescent yellow and nectarine.



## Proof of Concepts

You have the capability to produce quick, inexpensive ABS models so you can design multiple concepts. That allows everyone on the design team to review the concepts for real time collaboration on a global scale.

## Product Mockups

With a Dimension 3D Printer, you can create mockups of your product within hours. It's an efficient, cost-effective way to catch design flaws and make the appropriate adjustments early and often throughout the design process.



## Product Cost Reduction

Dimension 3D Printers let you reduce costs. In fact many of our clients find that a Dimension 3D Printer paid for itself in its first project. A modest engineering change costing £100 in the Proof of Concept phase could escalate to a staggering £1,000,000 when the product is in the field.

## Product Confidentiality

A Dimension 3D Printer ensures that the designs you're considering remain inside your company. Any time you send data outside to a service provider, you increase the possibility of a security leak. Installing a Dimension 3D Printer allows you to keep your design secure.

## Snap Fit Functional Testing

Unlike other 3D Printers, Dimension allows you to test form, fit and function – and as many design iterations as you like – right from your desk-top. Dimension models have been used for wind tunnel testing, camera mounts on an M1A Bradley tank and a spray gun running at 60 psi.



## Vacuum Forming

ABS models produced on a Dimension 3D Printer are excellent masters for the vacuum forming process for applications in the automotive, consumer products, packaging, aerospace and medical industries.

## Marketing Tools

Imagine showing a functional model to a new prospect. You're able to place a real-life product into someone's hands in a day. Now that's impressive!

# Dimension 3D Printers: Essential design tools with distinct advantages.

Nothing communicates design ideas faster than a three-dimensional part or model. With a Dimension 3D Printer, you can bring CAD files and design ideas to life – right from your desktop. Test form, fit and function – and as many design iterations as you like with functional ABS parts and beat your competitors to the marketplace.

Dimension printers are specifically designed for use in the office. Each system operates quietly and there are no noxious fumes or toxic materials that require venting and/or special handling.

To operate, simply connect a Dimension 3D Printer to your network. Load Catalyst EX software. Insert the self-loading material cartridges and follow the display panel prompts. That's it. Printing with Dimension is as easy as clicking print.

See why Dimension 3D Printers are the fastest selling office-friendly machine of its kind – and start shortening your design and development cycle.



See a demonstration online at  
[www.3dimensionprint.co.uk](http://www.3dimensionprint.co.uk)

See for yourself how the Dimension 3D Printers have enhanced the design process of 1000's of companies worldwide and helped develop better products in a shorter amount of time.

#### Network Connectivity

TCP/IP 100/10 base T

#### Workstation Compatibility

Windows XP/Windows Vista

#### Material Layer Thickness

.254 mm (.010 in.) or .33 mm (.013 in.)  
of precisely deposited ABS and support material

#### Size and Weight

##### BST 768 & SST 768

686 x 914 x 1041 mm  
(27 x 36 x 41 in.)

Weight: 136 kg (300 lbs.)

##### BST 1200es & SST 1200es

838 x 737 x 1143 mm  
(33 x 29 x 45 in.)

Weight: 148 kg (326 lbs.)

#### Power Requirements

110-120 VAC, 60 Hz, minimum

15A dedicated circuit or 220-240 VAC,  
50/60 Hz, minimum 7A dedicated circuit

Regulatory Compliance:  

Special facility requirements: None

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Stratasys, Inc.

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