STRATASYS

dimension
3D Printers

MAKE YOUR IDEAS REAL

GIVE YOUR CREATIVITY
A NEW DIMENSION.

Create a more productive design process with Dimension 3D printers.

1 Make it big: Dimension 1200es

With the largest build size in the Dimension family, the Dimension 1200es 3D Printers have the capacity to create a huge variety of functional 3D models right now, right in your office. You can see and test ideas earlier in the design process, and reach final designs sooner. The Dimension 1200es is available in Breakaway Support Technology (BST) or Soluble Support Technology (SST) versions.

2 Make it detailed: Dimension Elite

The Dimension Elite 3D Printer prints intricate functional models for projects such as medical devices or handheld electronics. The Dimension Elite precisely deposits ABS*plus*™ thermoplastic in layers thin enough, for example, to accurately model tiny gears and make the finest details clearly visible.

Make it colorful, too.

Print 3D models in a choice of eight colors. Ideal for highlighting specific components or indicating different design versions.

Bring your ideas to life.

Real 3D models you can hold, discuss and test.

Imagine capturing an idea with your CAD program, then holding a functional model of it a few hours later. That's the power of Dimension 3D printers. Faster than a service bureau. More real than a simulation. Dimension 3D printers accelerate your design process by producing functional models that perform just like the final part.

The most complex, most durable models.

If you can design it with 3D CAD, a Dimension 3D printer can print it with ABS*plus*, a production-grade thermoplastic. Models printed with Dimension 3D printers have customer-proven toughness – from commercial sprayers tested at pressures up to 60 psi, to final parts on M1 tanks normally machined in aircraft-grade aluminum.

Design new products with confidence.

Dimension 3D printers help you accurately test the form, fit and function of new products, so you can correct errors before committing to the cost of full production. And since Dimension 3D printers print models right in your office, it's a lot easier to keep new products confidential.

Dimension turns your 3D CAD designs into 3D models with three simple steps:

Process the file

To turn your 3D CAD design into a 3D model, all you have to do is click "print." Catalyst®EX software works behind the scenes (like a printer driver) to orient your design for the most efficient build and generate the necessary support structures.

Print the part

Inside the Dimension printer's build envelope, the dual-tipped extrusion head deposits liquefied model and support material following precise paths calculated by CatalystEX. Parts are built layer-by-layer from the bottom up.

Remove the supports

ABS*plus* thermoplastic is hard as soon as the printing is done — there's no waiting for the model to cure. Soluble support material dissolves away in a water-based solution. Breakaway supports simply snap off. The model is then ready for use or finishing.

In the real world, Dimension 3D printers help you create:

Consumer products

Automotive components

Architectural models

Medical devices and models

Hands-on classroom experiences

Rapid tooling masters

Whatever you imagine, there's a Dimension 3D printer to build it.

	Dimension 1200es	Dimension Elite
Build Envelope	254 x 254 x 305 mm (10 x 10 x 12 in)	203 x 203 x 305 mm (8 x 8 x 12 in)
Size and Weight	838 x 737 x 1143 mm (33 x 29 x 45 in) 148 kg (326 lbs)	686 x 914 x 1041 mm (27 x 36 x 41 in) 136 kg (300 lbs)
Layer Thickness	0.254 mm (.010 in) or 0.330 mm (.013 in)	0.178 mm (.007 in) or 0.254 mm (.010 in)
Modeling Material	ABS*plus* in ivory, blue, fluorescent yellow, black, red, nectarine, olive green or gray.	ABS*plus* in ivory, blue, fluorescent yellow, black, red, nectarine, olive green or gray.
Support Material	Soluble or breakaway.	Soluble only.
Price		

Print ABS*plus* models for real-world testing.

All Dimension 3D printers use ABS*plus*, a production-grade thermoplastic that gives your models the ability to perform just like production parts in real-world functional testing.

The core of every model: FDM® technology.

Stratasys FDM (Fused Deposition Modeling) technology provides the foundation for all Dimension 3D printers. Two materials — one for models, one for support — are heated in an extrusion head and deposited in thin layers on a modeling base. The model is precisely built layer upon layer. When the model is complete, the support material is removed leaving an accurate, durable functional 3D model.

Solutions 2 Enterprise

www.3dimensionprint.co.uk

For more information about Dimension 3D printers,

Call 08454 30 50 60 or visit **www.3dimensionprint.co.uk**

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