

Your guide to the *Cube* 3D Printer



What is the Cube 3D printer?

The Cube 3D printer is a 3D printer for everyone - it's easy to use, and helps your customers turn their ideas into real items which they can hold, use or even wear.

How does it do that?

The Cube prints in 3D... which means that instead of putting ink onto a flat surface like regular printing, it builds up material in three dimensions to create a real object. It melts plastic filament, then draws with it in a very fine layer. It then builds another fine layer of plastic on top of this one, and then another, and another, building your idea in slices from the bottom up until you have a plastic object ready to hold.

What can your customers make?

The cartridges that work with the Cube come in 16 different colours including white, magenta, red, orange, tan, yellow, green, neon green, blue, and black.

Customers can use one colour at a time while printing on a Cube. If you want your creation to be multi-coloured, you can print it in separate pieces and attach them together later. You cannot swap the cartridge in the middle of a print.

What material does the Cube use?

The Cube prints two types of materials. A special type of ABS plastic and eco-friendly PLA plastic. It's safe and can be recycled, and if your piece is thick enough, it's also dishwasher-ready!

What is the difference between ABS and PLA Plastic?

ABS and PLA are both plastic materials. Our PLA plastic is specially formulated to be compostable or biodegradable while our ABS is recyclable. Customers may use either one on the new Cube.

What are the different Print Modes?

The print modes determine how much plastic is used to make the part. This also will dictate how long the part will take to build. For appearance models use the hollow mode. In general, this will build the part most quickly and use the least material. For more structural parts, use the solid mode. Strong parts are the best combination between part strength, build time, and the amount of material used.



How big a piece can you make?

If it can fit within a 5.5" x 5.5" x 5.5" space (140mm x 140mm x 140mm), the Cube can print it.

How do I get started making stuff?

The Cube comes with 25 free 3D models for you to print. You can also use other 3D modelling software tools to create your own models for printing. Once you have a model, the Cubify software will turn it into a file that the Cube can read.

How do I get a file to my Cube for printing?

You can send a file to your Cube via Wi-Fi, USB Cable or by transferring it using a USB stick.

How long do the cartridges last for?

3D cartridges are filled with our custom ABS plastic or PLA Plastic, with 16 colour options, and are designed to work with the Cube, each one containing enough material to make about 35 models per cartridge.

Switching them out is easy, they just snap right in. The Cube can also tell you how much material you have left, and won't let you start to print a creation if you don't have enough material to finish it, to avoid waste.

How long does it take to print a creation?

The print time is proportional to the size and complexity of the creation. An average smartphone case will take about 2 hours to print, whilst a chess piece will take around 40 minutes.

What's the UK warranty?

The customer receives a 1-year warranty.

What is the return policy?

We don't provide refunds on Cube printers once they are shipped. If you encounter any issues with your printer, 3D systems are happy to repair it for free during the warranty period.

For further information please contact **Darren Maxey**, 3D Printing Product Manager, on **01379 647515** or email darren.maxey@midwich.com

