

# Cube 3D Printer

## Overview

A Personal 3D Printer for your Desktop - The Cube® 3D Printer is a 3D printer for everyone. Voted MAKE magazine's "easiest to use" and "most reliable" 3D printer, the Cube fits on your desktop and works with both Windows and Mac 3D CAD programs, making it super easy to start turning ideas into real 3D objects!

Plug and play simplicity - Straight out of the box – you can get started immediately with the Cube's simple setup. The only 3D printer certified for safe at-home use by adults and children.

Print in vibrant colors - The Cube works with easy load color cartridges that contain a special type of ABS plastic. Available in 8 different colors, it's safe and can even be recycled!

Print up to 5.5" x 5.5" x 5.5" . . .or 14cm x 14cm x 14cm. For larger objects, simply print it in separate pieces and attach them together later.

Goodbye cables, hello Wi-Fi - The Cube 3D printer has Wi-Fi so loading is a breeze. Send your prints to the Cube from your computer.

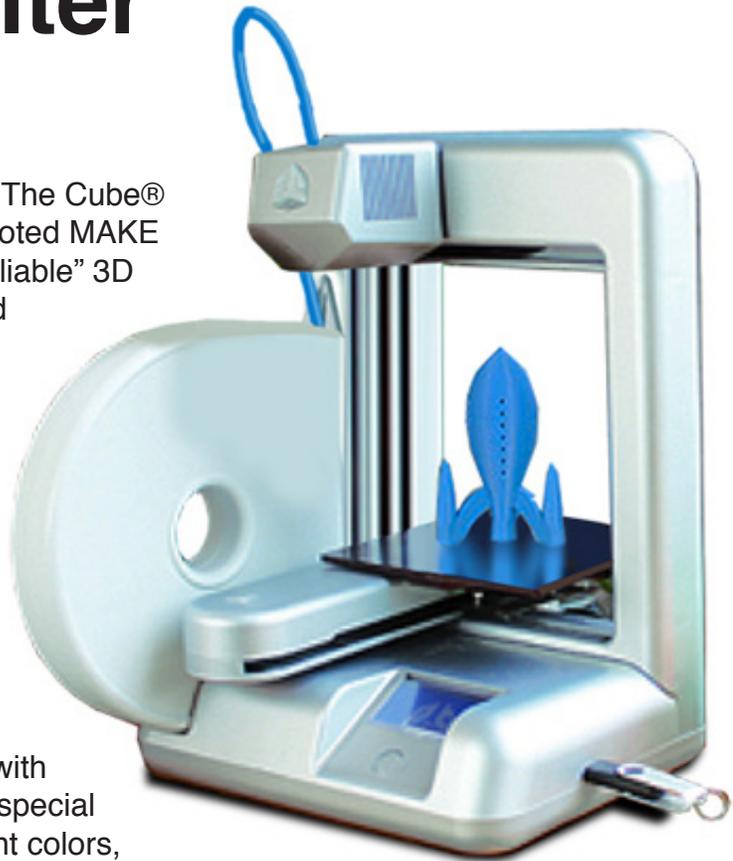
Cube software - The Cube ships with easy to use software that preps files for printing. Simply export to .STL, a format supported by TurboCAD for both Windows and Mac!

25 Creations with every Cube printer - Your Cube 3D printer comes with 25 amazing 3D files designed by top designers, so you get start printing immediately!

## FAQ

What's the Cube 3D printer? - The Cube 3D printer is a 3D printer for everyone - it's super easy to use, and helps you turn your ideas into real stuff you can hold, like toys and jewelry and mugs.

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. Think of it like dispensing frozen yogurt from a machine: you can build up your cone to be pretty big! 3D printing on a Cube is like that, only lets you make way cooler shapes with more detail, and isn't edible.



What can I make? - As long as the piece fits into the Cube print area, you're limited only by your imagination! We've seen people make earrings, robots, planes, mugs, doorknobs, dog toys, dog tags, real shoes, phone cases, floating bath toys, napkin rings, Androids, linked bracelets, chess pieces, cathedrals (very small ones though), gnomes.... and much much more! Any piece will start as a 3D model, which is then printed by the Cube.

What colors can I use? - Materials are available in 8 different colors: white, magenta, red, tan, yellow, green, blue, and black. (Additional colors are also available, but are not in stock. Ask your sales associate for details.) You can use one color at a time while printing on a Cube. For multicolored creations, simply print it in separate pieces and attach them together later. What material does the Cube use? - The Cube works with easy load color cartridges that contain a special type of ABS plastic. It's safe and can be recycled, and if your piece is thick enough, it's also dishwasher-ready!

What is the CubeStick? - This material is a safe, non-toxic substance we invented to help build the best quality parts possible. Our specially formulated material helps hold the part you print to the print plate during printing. After printing, it easily dissolves away by simply soaking the part and print plate in warm water. How big a piece can I 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. If you want your creation to be larger or multicolored, you can print it in separate pieces and attach them together later. You cannot swap the cartridge in the middle of a print.

How do I get started making stuff? - The Cube comes with 25 free 3D models for you to print. You can also design your own 3D models using software like TurboCAD to create your own .STL models. 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, or by transferring it using a USB stick. What's up with the cartridges? - Our cartridges are filled with our custom ABS plastic and are designed to work with the Cube, each one containing enough material to make about 35 models per cartridge. Switching them out is a breeze - they snap right in. You can print about 13 to 15 cell phone cases (or creations of similar size) from a single cartridge. You can get a discount when you get a pack of cartridges together.

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. What's the warranty? - There's a 90 day warranty for parts and labor. Contact [CubifySupport@Cubify.com](mailto:CubifySupport@Cubify.com) if you have any issues or questions. What's the return policy? - We don't provide refunds on Cube printers once they're shipped. If you encounter any issues with your printer, it can be repaired for free during the warranty period.

Which files can the Cube print? - the Cube can directly print .cube files. The Cube software, which comes with the Cube, can convert .stl and .creation files into .cube files. Most CAD software (like TurboCAD, Rhinoceros, SolidWorks, Solid Edge, Creo, etc.) can create .stl files. .Obj files from Maya and ZBrush will need to be converted to .stl files first. There is no limit on the file size, but generally anything over 500MB would be considered really large. What does the Cube software do? Does it help me design things to print? - The Cube software lets you prep an existing 3D model for printing on the Cube. It lets you orient it, scale it, add supports to it if needed, and then turns the model into a .cube file that the Cube can print. If you're looking for separate design software, check out Cubify Invent.

What operating systems does the Cubify software run on? - The Cube software works on both Windows and Mac OSX. How accurate is the Cube? - Accuracy of the print is largely dependent on the geometry and orientation. Typical tolerances are around +/-0.5% over the length of the Print-Pad. If you need more accuracy, you can scale your file in your design software to account for the

variance. There are no guaranteed tolerances on the Cube printer. How thick are the layers on the printed creations? - 200 microns, or 0.2 mm (0.008”). Does the Cube need separate support material? - Nope. Supports are built with the same plastic as the print. The Cube software will add the needed supports for you in a way that will both minimize material and be easily removable after printing. Cube supports can be popped off without tools.

## Specifications

<b>Weight &amp; Dimensions</b>	Cube Dimensions: without cartridge	10 x 10 x 13 inches 26 x 26 x 34 cm
	Cube Weight: without cartridge	9.5 lb 4.3 kg
	Box Dimensions:	16 x 15 x 19 inches 41 x 38 x 48 cm
	Box Weight:	19.0 lb 8.6 kg
<b>Connectivity</b>	Wireless:	802.11b/g with: WPS Infrastructure Adhoc Mode
	Requirements:	Cubify Client Software (supplied with the Cube)
	Wired:	USB stick, to transfer print files (supplied with the Cube)
<b>Print Properties</b>	Technology:	Plastic Jet Printing (PJP)
	Print Jets:	Single Jet
	Max creation size:	5.5 x 5.5 x 5.5 inches 14 x 14 x 14 cm
	Material:	ABS Tough Recyclable Plastic
	Layer Thickness:	10 mil   0.01 inches 250 microns   0.25 mm
	Supports:	Fully Automated Easy to peel off
	Cartridge:	1 Cartridge prints 13 to 14 mid-sized creations
<b>Software</b>	Description:	Comes with software to create .CUBE print files.
	Windows Requirements:	Cubify Client runs on 32 and 64-bit Operating Systems. • Windows XP Professional or Home Edition with Service Pack 3 • Windows 7 Windows & is required for ad-hoc WiFi Print Job submission. If not already installed, the Cubify Client installer will automatically install the Microsoft .NET 4.0 Framework
	Mac OSX Requirements:	Cubify Clients runs on Mac OSX 10.8
	Minimum Hardware Requirements:	A PC with these minimum requirements will be required to run the Cubify Client Software Processor: Multi-core processor - 2GHz or faster per core System RAM: 2 GB Screen Resolution: 1024x768
<b>Warranty</b>	Description:	90 days parts and labor.

## Support

Expert Support - Get expert, responsive, and friendly support for your Cube 3D printer directly from the manufacturer, 3D Systems. Have a question or need help getting your Cube 3D printer running? Check out the FAQs, videos, and other troubleshooting materials on these 3D Systems support pages:

Tutorials - [http://cubify.com/how\\_it\\_works/cube.aspx](http://cubify.com/how_it_works/cube.aspx)

FAQs - [http://cubify.com/info/faq/faq\\_3dprinter.aspx](http://cubify.com/info/faq/faq_3dprinter.aspx)

Support Contact Page - <http://cubify.com/info/support/index.aspx>