

# CUBEX 3D PRINTER TECH SPECS

## WEIGHT & DIMENSIONS

### CubeX dimensions:

(without cartridge)

515mm (w) x 515mm (l) x 598mm (h)  
20 ¼" x 20 ¼" x 23 ½"

### CubeX weight:

(single head print)

79 lb / 36 kg

### CubeX weight:

(double head print)

81.5 lb / 37 kg

### CubeX weight:

(triple head print)

84 lb / 38 kg

### Maximum build size:

(single head print)

275mm (w) x 265mm (l) x 240mm (h)  
10.75" x 10.75" x 9.5"

### Maximum build size:

(double head print)

230mm (w) x 265mm (l) x 240mm (h)  
9" x 10.75" x 9.5"

### Maximum build size:

(triple head print)

185mm (w) x 265mm (l) x 240mm (h)  
7.3" x 10.75" x 9.5"

## **Z AXIS RESOLUTION**

Single head print  
Double head print  
Triple head print

0.100mm (0.004" / 100 microns)

## **PRINT TOLERANCE**

Single head print  
Double head print  
Triple head print

x and y axis +/- 1% of object dimension or +/- 0.2mm (0.008" / 200 microns) whichever is greater z axis +/- half the processed z resolution Shrinkage and warpage can occur on models and is purely geometry dependent.

## **PRINT SPEED EXTRUDED VOLUME**

Single head print  
Double head print  
Triple head print

Maximum 15mm<sup>3</sup>(9/16th"<sup>3</sup>) per second print and polymer dependent

## **POWER REQUIREMENTS**

Single head print  
Double head print  
Triple head print

110 - 240v AC

## **MAXIMUM OPERATING TEMPERATURE AT EXTRUDER TIP**

Single head print  
Double head print  
Triple head print

280°C (536<°F)

## **SUPPORT MATERIAL**

Single head print  
Double head print  
Triple head print

PLA / ABS / Dissolvable Natural PLA

## **SUPPORT REMOVAL**

Single head print  
Double head print  
Triple head print

Break away support material with pliers and cutters or just fingers where appropriate. PLA plastic is soluble in a sodium hydroxide solution used with a heated ultrasonic tank - care is required with this option.

## **SOFTWARE**

Description:

All CubeX 3D Printers include complimentary conversion software. This application converts your 3D model into layered slices (G-code), ready for printing on your machine. Other features and uses of CubeX Software include: Clear, familiar and easy to use interface Scaling, rotation and movement of parts on a simulated print bed Proven default settings for all CubeX 3D printers Ability to create custom profiles as needed Imperial / metric conversion available Combined part and toolpath viewer Built-in STL file verification Profiles for multiple material / support material Software upgrades can be downloaded from the CubeX Technical Resources hub.