

CubePro™

3D Printing. Real. Pro.





CubePro

3D Printing. Real. Pro.

Quick, accurate and economical printing of detailed parts for prototyping and testing. The CubePro is ideal for fast iteration and testing of functional and aesthetic proto-typed parts for a full range of applications. Multiple colors and materials, high speed & high resolution with a controlled environment. CubePro's 70 micron thin prints in Nylon, ABS and PLA give you unmatched strength and diversity for your desktop prototyping.

COMPETITIVE ADVANTAGES

- 30% larger build volume vs. closest competitor
- Climate controlled chamber for optimal printing with multiple materials ensures high quality, accurate prints every time.
- Print with Nylon, ABS and PLA in over 25 colors simultaneously in hi-res 70 micron layer thinness
- Includes a 90 day manufacturer's warranty with nine month extended warranty available.
- Smart Cartridge Systems with professional grade materials automates the printing process and print settings so you don't have to
- Wi-Fi capabilities allow you to print wirelessly
- Tech-Support available within India via phone and e-mail
- Products designed, manufactured, and assembled in the US

CUSTOMER VALUE

DESKTOP ENGINEERS & DESIGNERS

Prototype and test on your desktop quickly, affordably and efficiently with a larger build volume and multi-material print capabilities.

EDUCATION

Help prepare today's students for careers in science, engineering, math, design and more.

ARCHITECTURE

Perfect your most complex models and communicate early in the design process.

ADVANCED HOBBYIST

Print large and powerfully with professional grade materials, on a printer designed for your workshop, garage or home office. Ideal for DIY robotics, sports, tech, and auto gear.

FEATURE	FUNCTION	BENEFIT
Large build volume	Functional build volume of 11.2" x 10.6" x 9.06" or 285.4mm x 270.4mm x 230mm	Prints 2.5 times larger than any other desktop consumer and hobbyist printer. Professional quality printing has never been so large or easy.
High-resolution, multi-color and multi-material printing	Print in up to 3 colors at a time with up to 3 material options. Customizable print settings allow you to choose from high-resolution 70 micron, standard 200 micron and fast draft 300 micron for your perfect print.	Selection from over 24 vibrant colors for infinitely unique combinations and ultra-high resolution 70-micron thin print layers for a smooth surface finish. Standard 200 or fast draft 300 micron settings print faster and use less material.
Controlled print environment	The controlled print environment contains the heat from the nozzles and protects the print from changes in the outside environment such as temperature and humidity.	Ensures improved accuracy and reliability for effortless, professional quality every time, even for your largest ABS plastic prints. Automated settings ensure home safe printing on your professional desktop.
Material diversity	Prints in engineering-grade Nylon, ABS plus efficient PLA.	Materials allow for iteration capabilities from design communication to functional testing throughout the prototype process.

TECHNICAL SPECIFICATIONS

WEIGHT & DIMENSIONS

CubePro dimensions:

57.8 cm x 59.1cm x 57.8 cm

CubePro weight: 41 kg

Maximum build size:

28.54 cm x 23 cm x 27.04 cm

Z AXIS RESOLUTION

70-microns, 200-microns and 300-microns

PRINT TOLERANCE

X and Y axis:

± 1% dimension or ± 0.2mm (0.008" / 200mm microns)

Z axis:

± half the processed z resolution

EXTRUSION SPEED

Maximum 15mm (9/16") per second and polymer dependent

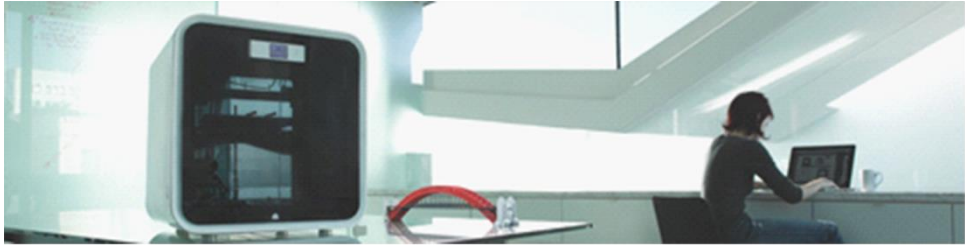
SUPPORTS

Break away auto supports in PLA or ABS

COMPATIBILITY

Windows requirements:
Windows 7 (32 or 64 bit),
Windows 8, Windows 8.1

Mac OSX requirements:
Mac 10.8 and up



Over 20 print colors in ABS and PLA plastic:



Key features:

- **Bigger print volume** with the largest-in-class build platform (10.8 x 10.45 x 9.5"; 275 x 265 x 240mm), print professional quality parts in high-resolution 70 micron layers, 2.5 times larger than any other printer in the desktop prosumer and hobbyist market.
- **Three materials + three colors = thousands of options** make durable and functional prototypes with a new production material: nylon, along with strong ABS and compostable PLA plastic. Get more expressive with 3D printing in up to 3 simultaneous color options and over 20 colors of ABS and PLA to choose from.
- **Controlled print environment** - A controlled process environment ensures improved accuracy and reliability of your largest ABS plastic prints for effortless, professional quality every time. Automated settings allow you to produce home-safe printing whether in your workshop or on your desktop.
- **Strong, fast and long-lasting** - Guaranteed faster, more accurate prints with stabilized Print mechanics and easy feed cartridges for prolonged material life.
- **Connect better to experience better Connect** conveniently with an easy to use color touchscreen display and Wi-Fi capability.

Print properties:

Technology:	Plastic Jet Printing (PJP)
Print jets:	Single, Dual and Triple jet models available
Maximum creation size:	10.8 x 10.45 x 9.5" or 275 x 265 x 240mm
Material:	Nylon, PLA, and ABS plastic
Layer thickness:	70 microns, 200 microns and 300 microns in fast mode
Print modes:	27 print modes, 3 print patterns, 3 print strengths
Supports:	Fully automated, easy to peel off rafts and supports