ProJet® 1200

Micro-SLA®, Low-Cost Professional 3D Printer

Quickly and economically print small, detailed parts for casting, prototyping and end-use parts.

The affordable ProJet® 1200 3D printer from 3D Systems puts the high precision and exceptionally fine feature detail of a professional 3D printer right on your desktop. Parts made on the ProJet 1200 are castable, so it is ideal for dental wax-ups, jewellry and other castings, and the durable, stiff parts are also great for plastic prototypes.

Featuring fast print times, the ProJet 1200 is a workhorse when short cycle times are crucial. Convenient all-in-one material cartridges make it easy to replenish materials, and network-based printing means your whole team can easily access the printer.

www.3dsystems.com

MANUFACTURING*THE*FUTURE

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Net Build Volume (xyz)	43 x 27 x 150 mm (1.69 x 1.06 x 5.90 in)
Native Resolution (xy)	56 micron (effective 585 dpi*)
Layer Thickness	0.03 mm (0.0012 in)
Vertical Build Speed	14 mm/hour (0.55 in/hour)
Material	VisiJet® FTX Green
Material Packaging	All-in-one cartridge with built-in print window
Post-processing	Built-in UV Curing Station
Software	– Easy installer – Network connection – Windows®-based OS – Automatic and optimised supports
File Input	STL
Electrical Input Output	 100-240 VAC, 50/60 Hz, 2.0 A 24 V DC, 3.75 A, 90 W max
Dimensions (WxDxH) 3D Printer Crated 3D Printer Uncrated	 381 x 381 x 560 mm (15 x 15 x 22 in) 230 x 230 x 356 mm (9 x 9 x 14 in)
Weight 3D Printer Crated 3D Printer Uncrated	 12 kg (25 lbs) 9 kg (20 lbs)

* Enhanced LED DLP technology provides an effective resolution of 585 DPI.

VisiJet FTX Green — UV Curable Plastic

Properties	Condition	Value
Density @ 80° C (liquid)		1.04 g/cm^3
Color		Dark Green
Cartridge Quantity		30 g
Tensile Strength	ASTM D638	30 MPa
Tensile Modulus	ASTM D638	1700 MPa
Elongation at Break	ASTM D638	10 %
Flexural Strength	ASTM D638	40 MPa
Ash Content		0.01 %
Description		Ash-free castable

A low cost, professional-grade 3D printer.

- **Maximise your dollar** – The ProJet 1200 achieves unmatched part accuracy and smoothness for the price, with layer thickness at 30 microns.
- **Make precise parts** – 585 dpi print resolution means you see every detail of your dental restorations, jewellry models and more.
- **Accelerate your workflow** – Fast print times allow you to keep up with your constant need for precision parts. Print 12 dental wax-ups in an hour and five rings in two hours.
- **Get started with 3D printing at an economical price** – The ProJet 1200's affordability and its inexpensive prints make it easier than ever to adopt 3D printing. Print a ring for less than €1 in materials.
- **Get started quickly** – The ProJet 1200 features a convenient size and pushbutton operation.

Features:

- Enhanced LED DLP technology for 585 dpi resolution
- VisiJet FTX Green material cleanly burns out for ash-free castings
- Prints fast – 14 mm/hour vertically
- Integrated material cartridges ensure consistent high-quality parts every time
- Factory calibrated for reliably accurate operation
- Network printing ready

Micro-SLA

Micro-SLA is an additive manufacturing technology in which a thin layer of resin is contained in a build tray. The build platform lowers, transferring the resin to the build platform, and then the layer is cured by a UV projector. This process is repeated, building the part layer by layer until the model is finished.

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