

ProJet® 1200

Micro-SLA® Low-Cost Professional 3D Printer



3DSYSTEMS®



Make your designs real with the exceptional detail and fine finish of micro-SLA

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 desk for under \$5,000. It's perfect for producing strong, precise micro parts for figurines; scale models of aircraft, cars, and trains; fashion accessories and décor.

Pop in your choice of VisiJet® FTX material cartridges and get creative. FTX Gray parts are a primer-gray and ideal for painting. FTX Clear material projects a hint of iridescence for shimmery, clear parts. For artisans creating small cast sculptures, FTX Cast material lets you print sacrificial wax patterns for casting in any material you'd like. You can even print in sparkly materials with gold and silver hues.

The ProJet 1200 is compact and easy to use. Everything you need is built right into the printer, including the part curing station. The self-contained VisiJet FTX cartridges mean you don't have to measure and pour materials into the printer. Convenient, simple and affordable, the ProJet 1200 belongs on your desk.



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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	Up to 14 mm/hour (0.55 in/hour)
Material	VisiJet® FTX Green, FTX Cast, FTX Gray, FTX Clear, FTX Silver, FTX Gold
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 optimized supports
File Input	STL
Electrical	
Input	100-240 VAC, 50/60 Hz, 2.0 A
Output	24 V DC, 3.75 A, 90 W max
Dimensions (WxDxH)	
3D Printer Crated	381 x 381 x 560 mm (15 x 15 x 22 in)
3D Printer Uncrated	230 x 230 x 362 mm (9 x 9 x 14 in)
Weight	
3D Printer Crated	12 kg (25 lbs)
3D Printer Uncrated	9 kg (20 lbs)

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

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.

A low cost, professional-grade 3D printer

- **Maximize your dollar** – The ProJet 1200 achieves unmatched part accuracy and surface finish for the most intricate parts and casting patterns.
- **Make precise parts** – 585 dpi print resolution means you see every detail of your creations.
- **Accelerate your workflow** – Fast print times mean you can go from design to part in just a few hours.
- **Get started with 3D printing at a low price** – The ProJet 1200's affordability and its inexpensive prints make it the perfect tool for a designer. Print a ring for less than \$1 in materials.
- **Get started quickly** – The ProJet 1200 features a convenient size and push-button operation.

Features:

- Enhanced LED DLP technology for 585 dpi resolution and 0.03 mm layers
- VisiJet FTX Cast and FTX Green materials cleanly burn out for ash-free castings
- VisiJet FTX Gold and FTX Silver provide metallic appearance
- VisiJet FTX Clear creates models with a crystal-like appearance
- VisiJet FTX Gray shows off every detail and is ready for painting
- Prints fast – 14 mm/hour vertically
- Integrated material cartridges ensure consistent high-quality parts every time
- Factory calibrated for reliably accurate operation
- Network-ready and USB printing

Materials	VisiJet FTX Green	VisiJet FTX Cast	VisiJet FTX Gray	VisiJet FTX Clear	VisiJet FTX Silver	VisiJet FTX Gold
	UV Curable Plastic	UV Curable Plastic with Wax	UV Curable Plastic	UV Curable Plastic	UV Curable Plastic with metallic flakes	UV Curable Plastic with metallic flakes
Description	Tough castable plastic	Wax and plastic hybrid for delicate castings	Primer gray general purpose	Transparent Tough	Metallic Silver	Metallic Gold
Color	Dark Green	Light green	Gray	Clear	Metallic Silver	Metallic Gold
Cartridge Quantity	30 g	30 g	30 g	30 g	30 g	30 g
Density @ 25 °C (liquid)	1.04 g/cm ³	1.01 g/cm ³	1.12 g/cm ³	1.1 g/cm ³	1.16 g/cm ³	1.16 g/cm ³
Tensile Strength	ASTM D638 30 MPa	2.2 MPa	28 MPa	24 MPa	16 MPa	16 MPa
Tensile Modulus	ASTM D638 1700 MPa	154 MPa	1288 MPa	1075 MPa	701 MPa	866 MPa
Elongation at Break	ASTM D638 10 %	2.20 %	6.20 %	13.50 %	11.70 %	5.70 %
Flexural Strength	ASTM D638 40 MPa	3 MPa	38 MPa	31 MPa	22 MPa	18 MPa
Ash Content	0.01 %	0.008 %	N/A	N/A	N/A	N/A



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