

ProJet® 1200

Micro-SLA® Desktop 3D Printer



3DSYSTEMS®



Print precise, small-scale prototypes and casting patterns at your desk with micro-SLA

The affordable ProJet® 1200 3D printer from 3D Systems provides the high precision and exceptionally fine feature detail of a professional 3D printer for an MSRP of \$4,900. It's perfect for producing strong, precise plastic prototypes of small mechanical components and other products right on your desk. You can even create metal parts by printing sacrificial patterns using the ProJet 1200's cast-ready materials.

Insert your choice of VisiJet® FTX material cartridges and get creative. FTX Gray parts are a primer-gray color ideal for painting. FTX Clear is a transparent material perfect for prototypes. FTX Cast and FTX Green are castable materials with clean, ash-free burnout. 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. 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 material cleanly burns out for ash-free castings
- VisiJet FTX Gray shows off every detail and is ready for painting
- VisiJet FTX Clear creates models with a crystal-like appearance
- VisiJet FTX Gold and FTX Silver provide metallic appearance
- 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 @ 80° 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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