

# 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, jewelry 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](http://www.3dsystems.com)

**MANUFACTURING***THE***FUTURE**

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## ProJet 1200

|                        |  |
|------------------------|--|
| Net Build Volume (xyz) | 1.69 x 1.06 x 5.90 in (43 x 27 x 150 mm)   |
| 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               | <ul style="list-style-type: none"> <li>– Easy installer</li> <li>– Network connection</li> <li>– Windows®-based OS</li> <li>– Built-in STL verification</li> <li>– Automatic and optimised supports</li> </ul> |
| 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      | 15 x 15 x 22 in (381 x 381 x 560 mm)   |
| 3D Printer Uncrated    | 9 x 9 x 14 in (230 x 230 x 356 mm)   |
| Weight                 |  |
| 3D Printer Crated      | 25 lbs (12 kg)   |
| 3D Printer Uncrated    | 20 lbs (9 kg)  |

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

### VisiJet FTX Green

UV Curable Plastic

| Properties               | Condition | Value             |
|--------------------------|-----------|-------------------|
| Density @ 80° C (liquid) |           | 1.02 g/cm³        |
| 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.

- **Maximize 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, jewelry 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 a dollar 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.



**3D Systems Corporation**  
333 Three D Systems Circle  
Rock Hill, SC 29730  
Tel: +1 803.326.3900  
[moreinfo@3dsystems.com](mailto:moreinfo@3dsystems.com)

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