

High Definition **3-D Modeling.**

The ProJet™ HD 3000 3-D Production System is a next generation 3-D Printer that delivers unmatched part quality with largely unattended operation, ideal for long and high-volume production runs.



3-D Production System

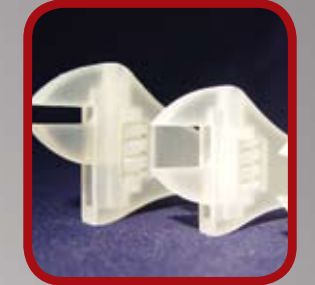
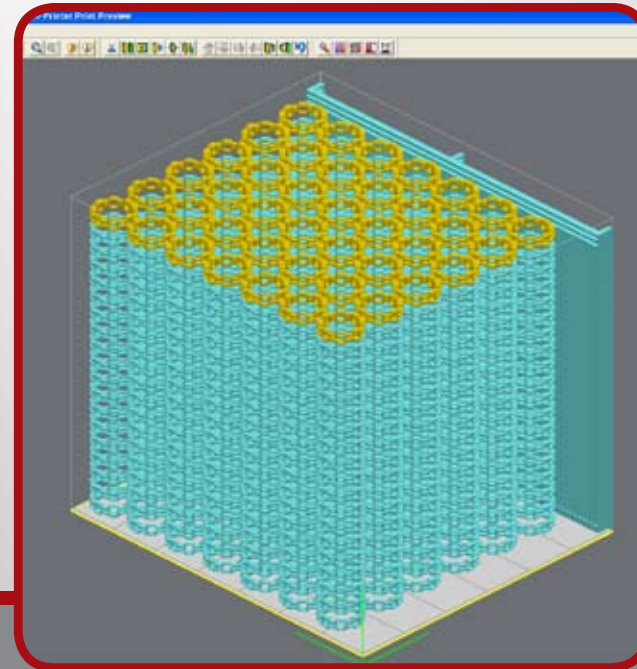
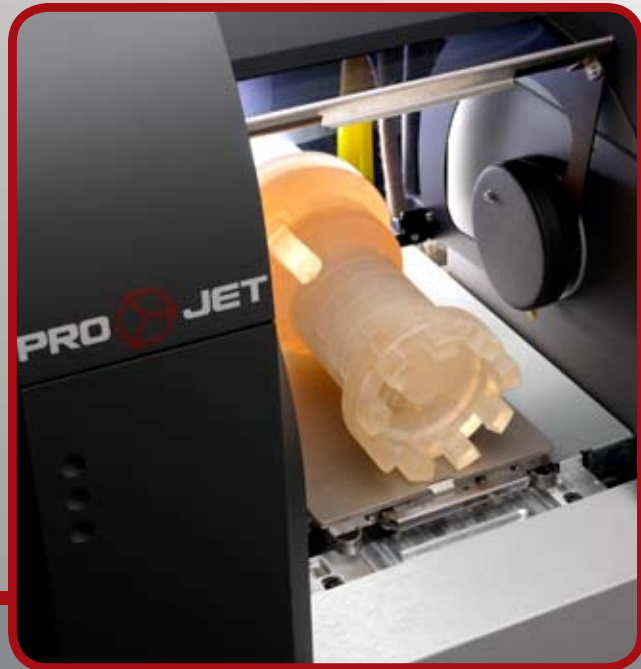
Quickly produce high-definition parts and patterns at high throughput while maximizing the entire build volume.

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ProJet™ HD 3000

3-D Production System



Next Generation Technology.

At the heart of the ProJet™ HD 3000 3-D Production System is 3D Systems' patented and proprietary Multi-Jet Modeling technology (MJM). Designed for high productivity, precision and accuracy, the ProJet™ 3-D Production System enables the user to produce most complex geometries and numerous different parts without sacrificing build speed.

- Hands-free wax support removal provides finished parts with the finest feature detail and surface quality.

- Intelligent part nesting and stacking utilizes the entire build volume to deliver maximum throughput with unattended operation, ideal for weekend and overnight builds.

Simple yet Sophisticated.

The office-friendly design features a small footprint and quiet operation. For added convenience, our exclusive ProJet™ Accelerator Software has been developed to make user operation as easy, fast and intuitive as possible.

- Build job set-up has never been easier with automatic part placement, extensive editing tools, and automatic support generation.

- The job queue is managed automatically and users can monitor build progression.

- Build logs are maintained providing key job statistics, reporting such as material consumption, build duration, and user identification.

A Variety of Applications.

The ProJet™ HD 3000 3-D Production System offers the option of two modes, High Definition (HD) and Ultra High Definition (UHD), for applications ranging from prototypes and concepts to direct castable models.

- For direct castable models of fine jewelry and other components, the UHD mode is unmatched in its ability to handle delicate features and produce detailed parts and patterns.

- For precision models and prototypes, the high speed and exceptional surface quality of the standard HD mode is ideal. Rely on the HD mode everyday for a wide variety of applications including concept development, design verification, form-fit testing, and product presentations.

Your Choice of Materials.

The versatility of 3D Systems VisiJet® Materials satisfies a wide range of applications from microcasting to functional parts and prototypes.

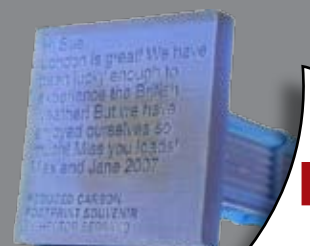
- VisiJet® SR200 build material for economical production - available in natural, blue and grey colors.

- VisiJet® HR200 build material formulated for enhanced feature contrast of fine feature detail and maximum castability.

- VisiJet® S100 wax support material formulated for efficient hands-free, melt-away removal without damage to delicate part features.

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ProJet™ HD 3000 Technical Specifications

Printing Modes

HD - High Definition
UHD - Ultra High Definition

Net Build Volume (xyz)

HD Mode: 298mm x 185mm x 203mm (11.75 x 7.3 x 8 inches)
UHD Mode: 127mm x 178mm x 152mm (5 x 7 x 6 inches)
[Certain geometries exceeding 6450mm² (xy) x 50mm (z); 10 in² (xy) x 2 in (z) single model size may require HD Mode]

Resolution

HD Mode: 328 x 328 x 606 DPI (xyz)
UHD Mode: 656 x 656 x 800 DPI (xyz)

Accuracy (typical)

0.001-0.002 inch (0.025-0.05 mm) per inch of part dimension
accuracy may vary depending on build parameters, part geometry and size, part orientation, and post-processing methods

Build Materials

VisiJet® SR200 Build Material Available in natural, blue or gray
VisiJet® HR200 Build Material Available in blue, formulated for exceptional castability

Support Material

VisiJet® S100 Support Material Non-toxic wax material for hands-free melt-away supports

Material Packaging

Build materials in clean 0.5 kg cartridges (machine holds up to 10 with auto-indexing)
Support materials in clean 0.405 kg cartridges (machine holds up to 10 with auto-indexing)

Electrical

100-127 VAC, 50/60 Hz, single-phase, 15A; 200-240* VAC, 50 Hz, single-phase, 10A

Dimensions (WxDxH)

Modeler Crated 960mm x 1420mm x 1670mm (38 x 56 x 66 inches)
Modeler Uncrated 737mm x 1257mm x 1504mm (29.0 x 49.5 x 59.2 inches)

Weight

Modeler Crated 371 kg (817 lb)
Modeler Uncrated 254 kg (560 lb)

ProJet™ Accelerator Software

Easy build job set-up, submission and job queue management
Automatic part placement and build optimization tools
Extensive part file editing tools
Automatic support generation
Job statistics reporting tools

Network Compatibility

Network ready with 10/100 Ethernet interface

Client Hardware Recommendation

1.8 GHz with 1GB RAM (OpenGL support 64 mb video RAM) or higher

Client Operating System

Windows XP Professional

Input Data File Formats Supported

STL and SLC

Operating Temperature Range

18-28°C (64-82°F)

Noise

<65 dBA estimated (at medium fan setting)

Certifications

CE marked

* Requires small external transformer supplied by 3D Systems in the provided country kit.

333 Three D Systems Circle
Rock Hill, SC 29730 USA
Telephone +1(803) 326-4080
TollFree (800) 889-2964

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