

High Definition 3D Modeling



Accurately, consistently and economically
manufacture precision dental wax-ups.

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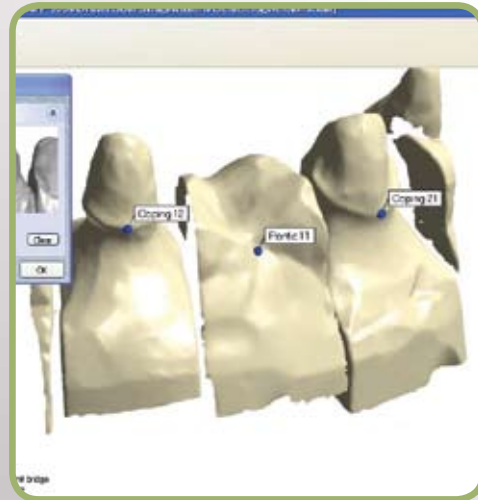
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ProJet™ DP 3000

Production System



A digital image is generated using a 3-D Scanning device.



Using 3-D dental CAD/CAM software, the prosthesis is designed.



Once the individual prosthesis are designed, the files are sent to the ProJet™ DP 3-D Printer.



The ProJet™ DP 3-D Printer then generates the wax-ups.



The support material is removed and the prosthesis are cast with usual investments and techniques.

Next Generation Technology

- Accurately, consistently and economically manufacture precision dental wax-ups.
- Improve your competitive edge by:
 - Reducing your alloy consumption
 - Increasing your productivity
 - Reducing your metal finishing time
- The ProJet™ DP 3000 Production System can assist you in addressing your daily challenges and improve your bottom line.
- The open architecture of the system allows file transfer from any open scanner on or off site.

Features

- Produces full cast crowns, bridges, partial frameworks, full contour units and surgical guides
- Wax-ups print in layers for smooth surfaces
- Virtually ash-free material can be cast or pressed and works in conjunction with traditional waxes
- Large build volume
- Architecture allows file transfer from any open scanner on- or off-site
- Outstanding fit and margin line adaptation
- Optional scanner and design software for complete crown and bridge system solution

Benefits

- Designed for use in laboratories
- Generates more than 100 units each print cycle
- Extended unattended operation
- Reduced skilled labor requirements
- Wax-ups can be cast or pressed with conventional techniques
- Reduced finishing time, alloy consumption and cost



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ProJet™ DP 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)

Maximum Single Model Size

HD Mode: 298mm x 185mm x 203mm (11.75 x 7.3 x 8 inches)
UHD Mode: 6450mm² (xy) x 50mm (z); 10 in² (xy) x 2 in (z)

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® DP200 Build Material 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.

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