

100%

Real Wax Pattern Production System



ProJet™ CPX 3000 3-D Printer

FEATURES

- RealWax™ pattern production with VisiJet® CPX200 wax build material
- Selectable build styles of High Definition (HD) and Xtreme High Definition (XHD)
- Single-pass printhead with large build volume
- Gentle, hands-free, dissolvable supports with VisiJet® S200 dissolvable wax support Material
- Part nesting and stacking
- State-of-the-art ProJet™ Accelerator Software
- Compact, clean and quiet using environmentally friendly materials

BENEFITS

- Standard casting processes and procedures
- Smooth surfaces, fine-feature detail for micro-casting applications
- Best-in-class production speed and capacity
- Quick and easy support removal leaving smooth support side surfaces
- High-volume utilization of entire build volume for longer-run unattended operation
- Easy build submission and job queue management
- Office-friendly in size and operation

ProJet™ CPX 3000 Technical Specifications

Printing Modes

HD - High Definition
XHD - Xtreme High Definition

Net Build Volume (xyz)

HD Mode: 298 x 185 x 203mm (11.75 x 7.3 x 8 inches)
XHD Mode: 127 x 178 x 152mm (5 x 7 x 6 inches)

Resolution

HD Mode: 328 x 328 x 700 DPI (xyz): 36µ z-layer thickness
XHD Mode: 656 x 656 x 1600 DPI (xyz): 16µ z-layer thickness

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 Material

VisiJet® CPX200 Wax Build Material Dark blue color wax material developed specifically for high quality casting patterns. Non-toxic.

Support Material

VisiJet® S200 Support Material Non-toxic wax support material with dissolvable hands-free removal

Material Packaging

Build materials in clean 0.38 kg cartridges, 4 per case (machine holds up to 10 cartridges with auto-indexing)
Support materials in clean 0.405 kg cartridges, 8 per case (machine holds up to 10 cartridges 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 960 x 1420 x 1670mm (38 x 56 x 66 inches)
Modeler Uncrated 737 x 1257 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
Part stacking and nesting capability
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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