ProJet® 3500 DP & MP

Professional 3D Printers Series

Precision
Productivity
Compatibility

Most Accurate

Wax-Ups

Dental Models

3DSYSTEMS

Most productive, highest capacity dental CAD/CAM printers

ProJet® 3510 DP

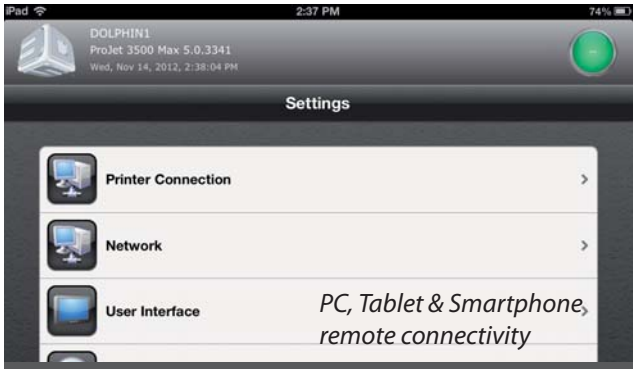
This Dental Professional 3D Printer accurately, consistently and economically manufactures precision wax-ups for dental labs.
The system can generate hundreds of units each cycle with an extremely smooth surface finish that can be cast or pressed with conventional techniques. Enjoy an average of 20% savings on alloy consumption on copings and 50% less finishing time on frameworks.

ACCURACY • CAPACITY • COMPATIBILITY

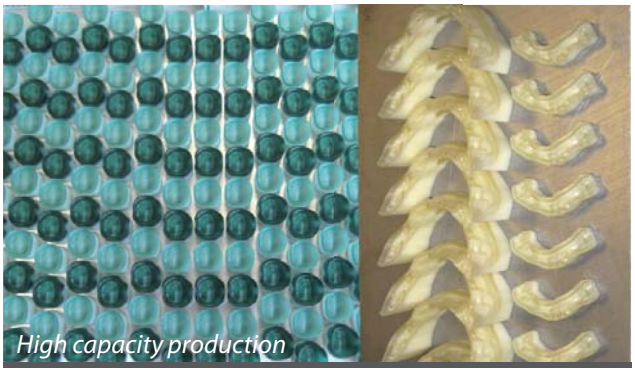
ProJet® 3510 MP

The ProJet® 3510 MP Model Printer is designed for use in laboratories with 24/7 operation and same day cycle times to reduce lead times and cost.
The system can produce any size model with a choice of two material and two print modes, smooth and matte. Up to 24 quad cases can be built at one time.

PRECISION • PRODUCTIVITY • COMPATIBILITY

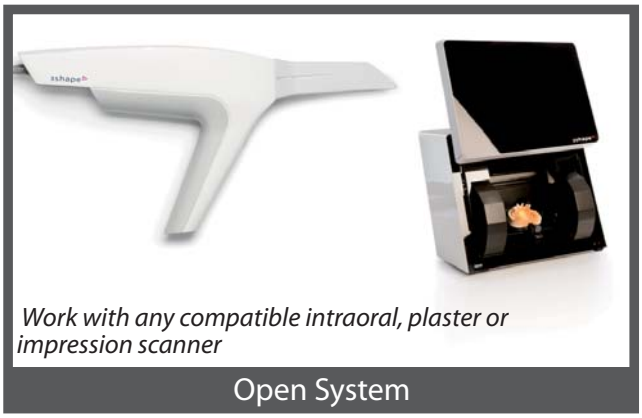


Easy to Use



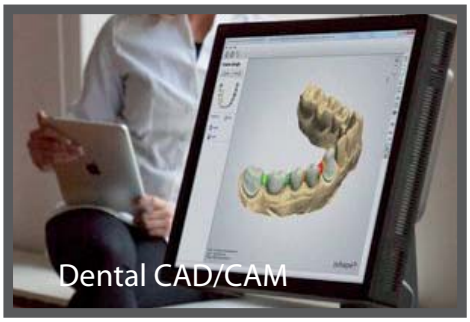
Highest Productivity

High Accuracy & Consistency



Work with any compatible intraoral, plaster or impression scanner

Open System

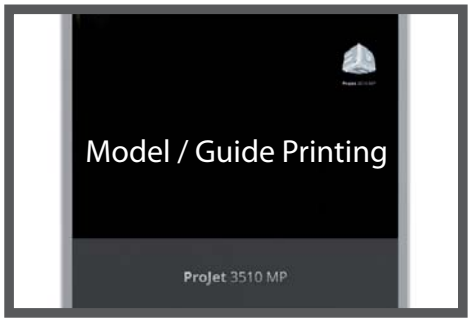


VisiJet® Materials for ProJet® DP & MP Printers

The VisiJet® line of materials offers numerous capabilities to meet a variety of commercial applications. Using the Multi-Jet-Modelling (MJM) Technology, 3D Systems' ProJet® 3D Printers use VisiJet® Materials to consistently and economically manufacture accurate, uniformly thin wax-ups and precision dental models, including crown and bridge, orthodontic and partial denture models as well as drill guides and medical models.

Properties	Condition	VisiJet® Dentcast	VisiJet® PearlStone	VisiJet® Stoneplast	VisiJet® S300
Composition		---------- UV Curable Acrylic Plastic ----------			Wax Support Material
Colour		Dark Green	White	Natural	White
Bottle Quantity (kg)		2	2	2	2
Density @ 80 °C (liquid), g/cm³	ASTM D4164	1.02	1.04	1.02	N/A
Tensile Strength, MPa	ASTM D638	32	40	41	N/A
Tensile Modulus, MPa	ASTM D638	1724	1794	1850	N/A
Elongation at Break, %	ASTM D638	12.3	7.7	17	N/A
Flexural Strength, MPa	ASTM D638	45	N/A	51	N/A
Heat Distortion Temperature, °C	D648 @ 0.45MPa	N/A	88	56	N/A
Ash Content, %		0.01	N/A	N/A	N/A
Melting Point, °C		N/A	N/A	N/A	60
Softening Point, °C		N/A	N/A	N/A	40
USP Class VI Certified*		No	No	Yes	N/A
ProJet Compatibility		DP	MP	MP	DP, MP
Description		Wax-up castable material	Solid stone appearance	Transparent, clear or stone finish**	Non-toxic wax material for hands-free melt-away supports

** DISCLAIMER: It is the responsibility of each customer to determine that its use of any Class VI certified VisiJet® material is safe, lawful and technically suitable to the customer's intended applications. Customers should conduct their own testing to ensure that this is the case.*
*** Choice of finish requires additional post processing.*



ProJet® 3500 DP & MP
Professional 3D Printers Series

Extend Innovation. Extend Production. Extend Choices.

	ProJet® 3510 DP	ProJet® 3510 MP
Printing Modes	HD - High Definition UHD - Ultra High Definition	HDX - High Definition Smooth (drill guides, jaw models and orthodontic thermoforming models) HDP - High Definition Plaster (plaster-like appearance for crown and bridge, partial denture and orthodontic models)
Net Build Volume (xyz) HD Mode UHD Mode HDX and HDP Modes	 11.75 x 7.3 x 8 inches (298 x 185 x 203 mm) 8 x 7 x 6 inches (203 x 178 x 152 mm) -	 - - 11.75 x 7.3 x 8 " (298 x 185 x 203 mm)
Resolution HD Mode UHD Mode HDX and HDP Modes	 375 x 375 x 790 DPI (xyz); 32µ layers 750 x 750 x 890 DPI (xyz); 29µ layers -	 - - 375 x 375 x 790 DPI (xyz): 32µ layers
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.	
E-mail Notice Capability	Yes	Yes
Tablet/Smartphone connectivity	Yes	Yes
5 Year Printhead Warranty	Standard	Standard
Build Materials	VisiJet® Dentcast	VisiJet® PearlStone VisiJet® Stoneplast
Support Material	VisiJet® S300	VisiJet® S300
Material Packaging Build and support materials	In clean 4.41 lbs (2 kg) bottles (machine holds up to 2 with auto-switching)	
Electrical	100-127 VAC, 50/60 Hz, single-phase, 15A; 200-240* VAC, 50 Hz, single-phase, 10A	
Dimensions (WxDxH) 3D Printer Crated 3D Printer Uncrated	 32.5 x 56.25 x 68.5 inches (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5 inches (749 x 1194 x 1511 mm)	 32.5 x 56.25 x 68.5 inches (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5 inches (749 x 1194 x 1511 mm)
Weight 3D Printer Crated 3D Printer Uncrated	 955 lbs, 434 kg 711 lbs, 323 kg	 955 lbs, 434 kg 711 lbs, 323 kg
ProJet® Accelerator Software	Easy build job set-up, submission and job queue management Automatic part placement and build optimisation tools Part stacking and nesting capability Extensive part editing tools Automatic support generation Job statistics reporting tools	
Print3D App	Remote monitoring and control from tablet, computers and smartphones	
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, Windows Vista, Windows 7	
Input Data File Formats Supported	STL and SLC	STL and SLC
Operating Temperature Range	64-82 ºF (18-28 ºC)	64-82 ºF (18-28 ºC)
Noise	< 65 dBa estimated (at medium fan setting)	< 65 dBa estimated (at medium fan setting)
Certifications	CE	CE

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

3D Systems Europe Ltd.
Mark House, Mark Road
Hemel Hempstead
Herts HP2 7UA - UK
Tel: (+44) 1442 282 600
Email: info@3dsystems-europe.com

3D Systems GmbH
Postfach 12 02 07
D-64239 Darmstadt
Germany
Tel: (+49) 6151 357 0
Email: info@3dsystems-europe.com

www.3dsystems.com

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