



Giving Shape to Ideas

PROJET® 3500 SD & HD PROFESSIONAL 3D PRINTERS

# DREAM IT.

# PRINT IT.



## 3D PRINTING THAT CREATES IMPACT ON DEMAND.

The future of your ideas is here. The ProJet® 3500 professional 3D printers offer precise, easy-to-use 3D printing in large capacity and high definition. Now you can literally touch and feel your thoughts, printing durable plastic parts that you can use as concept models, verification prototypes, and more. With both SD and HD high-quality and durable prints, your big ideas will make the impact they deserve.

By maximizing innovation, we maximize your production—and your choices. Just another reason you can count on Konica Minolta.

# THE POWER OF PRECISION



## Exceptional High Definition & Functional 3D Printing

### PROJET 3500 PROFESSIONAL PRINTERS

#### PROJET 3510 SD

**Affordability. Quality. Ease-of-use.**

The affordable ProJet 3510 SD prints high-quality, durable plastic parts for engineering and mechanical design applications including functional testing, form and fit verification, rapid prototyping, design communication, rapid tooling and more. This office friendly 3D Printer delivers exceptional parts... on demand.

#### PROJET 3510 HD

**High definition. Precision. Productivity.**

The ProJet 3510 HD prints precision, durable plastic parts ideal for functional testing, design communication, rapid manufacturing, rapid tooling and more. With a choice in materials and selectable print resolutions, this office friendly, easy to use 3D Printer is packed with features that help you maximize your return on investment (ROI).

#### PROJET 3510 HDPLUS

**Resolution Plus. Parts size Plus. Flexibility Plus.**

The ProJet 3510 HDPlus offers the flexibility to choose between 3 resolution modes to print concept models, verification prototypes and patterns for pre-production and digital manufacturing. Just connect to the printer to print extremely finely featured plastic parts with a greater output.

#### PROJET 3500 HDMAX

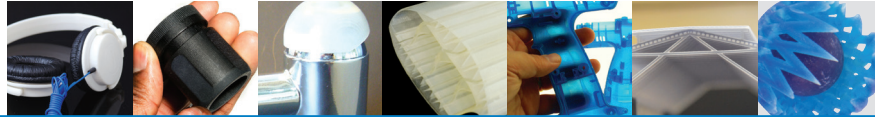
**Max throughput. Max definition. Max volume.**

The high capacity ProJet 3500 HDMax offers greater productivity, including with the high-speed printing mode, and larger high definition prints, for the production of functional plastic parts for product design and manufacturing applications. Benefit of the increased throughput and part size with feature detail and quality only possible with ProJet printers.



## VisiJet® M3 Materials for ProJet SD & HD Printers

The VisiJet® line of plastic materials offers numerous capabilities to meet a variety of commercial applications. Using the MultiJet Printing (MJP) Technology, 3D Systems' ProJet 3500 3D Printers use VisiJet M3 Materials to build accurate, high-definition models and prototypes for proof of concept, functional testing, master patterns for moldmaking, direct investment casting, for transportation, energy, consumer products, recreation, healthcare, education and other vertical markets. Toughness, high temperature resistance, durability, stability, watertightness, biocompatibility, castability are a few of the key attributes you will find within the VisiJet materials line. Parts can be drilled, glued, painted, plated, etc. Support material offers easy, non hazardous post processing and preserves delicate features.



Properties	Condition	VisiJet M3 X	VisiJet M3 Black	VisiJet M3 Crystal	VisiJet M3 Proplast	VisiJet M3 Navy	VisiJet M3 Techplast	VisiJet M3 Procast	VisiJet S300
Composition		UV Curable Plastic							Wax support material
Color		White	Black	Natural	Natural	Blue	Gray	Dark blue	White
Bottle Quantity		2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg
Density @ 80 °C (liquid)	ASTM D4164	1.04 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	1.02 g/cm <sup>3</sup>	—
Tensile Strength	ASTM D638	49 MPa	35.2 MPa	42.4 MPa	26.2 MPa	20.5 MPa	22.1 MPa	32 MPa	—
Tensile Modulus	ASTM D638	2168 MPa	1594 MPa	1463 MPa	1108 MPa	735 MPa	866 MPa	1724 MPa	—
Elongation at Break	ASTM D638	8.3%	19.7%	6.83%	8.97%	8%	6.1%	12.3%	—
Flexural Strength	ASTM D790	65 MPa	44.5 MPa	49 MPa	26.6 MPa	28.1 MPa	28.1 MPa	45 MPa	—
Heat Distortion Temperature @ 0.45 MPa	ASTM D648	88 °C	57 °C	56 °C	46 °C	46 °C	46 °C	—	—
Ash Content		—	—	—	0.01%	0.01%	0.01%	0.01%	—
Melting Point		—	—	—	—	—	—	—	60 °C
Softening Point		—	—	—	—	—	—	—	40 °C
USP Class VI Certified*		No	No	Yes	No	No	No	No	—
ProJet Compatibility		SD, HD	SD, HD	SD, HD	SD, HD	SD, HD	SD, HD	HD	SD, HD
Description		ABS-like plastic	High strength & flexibility plastic	Tough plastic, translucent	Plastic, natural	Plastic, blue	Plastic, gray	Castable plastic	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.

### Easiest Connectivity

Tablet and smartphone connect remotely

### Highest Productivity

Test more ideas faster & economically

### High Resolution & Accuracy

Sharp edges, crisp details & smooth surfaces

### Widest Applications Range

Concept models, verification models, pre-production, digital manufacturing



# PROJET 3500 SD & HD

PROFESSIONAL 3D PRINTERS



**ProJet 3510 SD**



**ProJet 3510 HD**



**ProJet 3510 HDPlus**



**ProJet 3500 HDMax**

Printing Modes	HD – High Definition – –	HD – High Definition – UHD – Ultra High Definition –	HD – High Definition – UHD – Ultra High Definition XHD – Xtreme High Definition	HD – High Definition HS – High-Speed UHD – Ultra High Definition XHD – Xtreme High Definition
Net Build Volume (xyz) HD Mode HS Mode UHD Mode XHD Mode	11.75 x 7.3 x 8" (298 x 185 x 203 mm) – – – –	11.75 x 7.3 x 8" (298 x 185 x 203 mm) – 5 x 7 x 6" (127 x 178 x 152 mm) –	11.75 x 7.3 x 8" (298 x 185 x 203 mm) – 8 x 7 x 6" (203 x 178 x 152 mm) 8 x 7 x 6" (203 x 178 x 152 mm)	11.75 x 7.3 x 8" (298 x 185 x 203 mm) 11.75 x 7.3 x 8" (298 x 185 x 203 mm) 11.75 x 7.3 x 8" (298 x 185 x 203 mm) 11.75 x 7.3 x 8" (298 x 185 x 203 mm)
Resolution HD Mode HS Mode UHD Mode XHD Mode	375 x 375 x 790 dpi (xyz); 32µ layers – – –	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 – 750 x 750 x 890 dpi (xyz); 29µ layers 750 x 750 x 1600 dpi (xyz); 16µ layers	375 x 375 x 790 dpi (xyz); 32µ layers 375 x 375 x 790 dpi (xyz); 32µ layers 750 x 750 x 890 dpi (xyz); 29µ layers 750 x 750 x 1600 dpi (xyz); 16µ 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			
Email Notice Capability	Yes	Yes	Yes	Yes
Tablet/Smartphone Connectivity	Yes	Yes	Yes	Yes
5 Year Printhead Warranty	Optional	Standard	Standard	Standard
Build Materials	VisiJet M3 X VisiJet M3 Black VisiJet M3 Crystal VisiJet M3 Proplast VisiJet M3 Navy VisiJet M3 Techplast –	VisiJet M3 X VisiJet M3 Black VisiJet M3 Crystal VisiJet M3 Proplast VisiJet M3 Navy VisiJet M3 Techplast VisiJet M3 Procast	VisiJet M3 X VisiJet M3 Black VisiJet M3 Crystal VisiJet M3 Proplast VisiJet M3 Navy VisiJet M3 Techplast VisiJet M3 Procast	VisiJet M3 X VisiJet M3 Black VisiJet M3 Crystal VisiJet M3 Proplast VisiJet M3 Navy VisiJet M3 Techplast VisiJet M3 Procast
Support Material	VisiJet S300	VisiJet S300	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" (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5" (749 x 1194 x 1511 mm)	32.5 x 56.25 x 68.5" (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5" (749 x 1194 x 1511 mm)	32.5 x 56.25 x 68.5" (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5" (749 x 1194 x 1511 mm)	32.5 x 56.25 x 68.5" (826 x 1429 x 1740 mm) 29.5 x 47 x 59.5" (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	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 optimization 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	STL and SLC	STL and SLC
Operating Temperature Range	64–82 °F (18–28 °C)	64–82 °F (18–28 °C)	64–82 °F (18–28 °C)	64–82 °F (18–28 °C)
Noise	< 65 dBa estimated (at medium fan setting)			
Certifications	CE	CE	CE	CE

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



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