



PAMTON
3D Commercial Printing

STRATASYS 3D PRINTER SPECIFICATIONS

Model Materials	Rigid Opaque: VeroWhitePlus™, VeroGray™, VeroBlue™, VeroBlack™ Simulated Polypropylene: Durus
Support Material SUP705 gel-like photopolymer support	SUP705 (WaterJet removable) SUP706 (soluble)
Maximum Build Size (XYZ)	294 x 192 x 148.6 mm (11.57 x 7.55 x 5.85 in.)
System Size and Weight	82.6 x 60 x 62 cm (32.5 x 23.6 x 24.4 in.); 106 kg (234 lbs.)
Resolution	X-axis: 600 dpi; Y-axis: 600 dpi; Z-axis: 900 dpi
Accuracy	0.1 mm (0.0039 in.) varies depending on part geometry, size, orientation, material and post-processing method
Minimum Layer Thickness	28 microns (0.0011 in.)
Build Modes	High speed: 30-micron (.001 in.) resolution
Software	Objet Studio™ intuitive 3D printing software
Workstation Compatibility	Windows® 7/ Windows® 8
Network Connectivity	Ethernet TCP/IP 10/100 base T
Operating Conditions	Temperature 18-25°C (64-77°F); relative humidity 30-70%
Power Requirements	Single phase: 100-200V; 50-60Hz; 7A or 200-240V; 50-60Hz 3.5A
Regulatory Compliance	CE, FCC/RoHS



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Property	Standard/Procedure	Clear Bio-compatible MED610	VeroGlaze MED620	VeroDent MED670	VeroDentPlus MED690
Tensile Strength (MPa)	D-638-03	50 – 65	55 – 65	50 – 60	54 – 65
Elongation at break (%)	D-638-05	10 – 25	15 – 25	10 – 25	15 – 25
Modulus of elasticity (MPa)	D-638-04	2000 – 3000	2300 – 3300	2000 – 3000	2200 – 3200
Flexural Strength (MPa)	D-790-03	75 – 110	80 – 100	75 – 110	80 – 110
Flexural Modulus (MPa)	D-790-04	2200 – 3200	2300 – 3200	2200 – 3200	2400 – 3300
HDT 0.45 MPa (°C)	D-648-06	45 – 50	45 – 50	45 – 50	45 – 50
HDT 1.82 MPa (°C)	D-648-07	45 – 50	45 – 50	45 – 50	45 – 50
Izod Notched Impact (J/M)	D-256-06	20 – 30	20 – 30	20 – 30	20 – 30
Water Absorption (%)	D-570-98 24HR	1.1 – 1.5	1.2 – 1.5	1.1 – 1.5	1.2 – 1.5
Tg (°C)	DMA E	52 – 54	52 – 54	52 – 54	52 – 54
Shore Hardness (D)	Scale D	83 – 86	83 – 86	83 – 86	83 – 86
Rockwell Hardness (scale M)	Scale M	73 – 76	73 – 76	73 – 76	73 – 76
Polymerized density (gr/cm ³)	ASTM D792	1.17 – 1.18	1.17 – 1.18	1.17 – 1.18	1.17 – 1.18
Bio-compatibility	DIN EN ISO 10993-1:2009	Approved	Approved	--	--
Support Removal Type	--	WaterJet	WaterJet or soluble*	WaterJet or soluble*	WaterJet or soluble*

Property	TrueCast	TrueSupport
Material	Organic Compound	Wax Blend
Melting Point	95 - 115 °C (221 - 239°F)	50 - 72 °C (121 - 162 °F)
Toxicology Information	Non-toxic; registered by TSCA	Non-toxic; registered by TSCA

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