Figure 4™ Standalone

Affordable and compact industrial-grade solution for lower cost production parts

Figure 4 Standalone

Build Volume (xyz)	124.8 x 70.2 x 196 mm (4.9 x 2.8 x 7.7 in)
Max Resolution	1920 x 1080 pixels
Pixel Pitch	65 microns (0.0025 in) (390.8 effective PPI)
Wavelength	405 nm
Build Materials	UV curable plastics: Figure 4 TOUGH-GRY 10, Figure 4 TOUGH-GRY 15, Figure 4 ELAST-BLK 10, Figure 4 JCAST-GRN 10
Material Packaging	1kg bottles for manual pour
Operating Environment Temperature Humidity (RH)	 18-28 °C (64-82 °F) 20-80%
Electrical	100-240 VAC, 50/60 Hz, Single Phase, 4.0A
Dimensions (WxDxH) 3D Printer crated Pedestal crated 3D Printer uncrated 3D Printer with Pedestal uncrated	 73.66 x 68.58 x 129.54 cm (29 x 27 x 51 in) 82.55 x 79.375 x 55.245 cm (32.5 x 31.25 x 21.75 in) 42.6 x 48.9 x 97.1 cm (16.7 x 19.25 x 38.22 in) 68.1 x 70.4 x 135.6 cm (26.8 x 27.71 x 53.38 in)
Weight 3D Printer crated Pedestal crated 3D Printer uncrated 3D Printer with Pedestal uncrated	 59 kg (130 lbs) 26.3 kg (58 lbs) 34.5 kg (76 lbs) 54.4 kg (120 lbs)
3D Sprint™ Software	Easy build job set-up, submission and job queue management; Automatic part placement and build optimization tools; Part nesting capability; part editing tools; Automatic support generation; Job statistics
3D Connect Capable	3D Connect Service provides a secure cloud-based connection to 3D Systems service teams for proactive and preventative support. 3D Connect Manage helps customers manage and monitor equipment with anytime, anywhere access to print jobs, system performance metrics and usage.
Connectivity	10/100/1000 Ethernet Interface
Client Hardware Recommendation	• 3 GHz multiple core processor (2 GHz Intel® or AMD® processor mini) with 8 GB RAM or more (4 GB mini) • OpenGL 3.2 and GLSL 1.50 support (OpenGL 2.1 and GLSL 1.20 mini), 1 GB video RAM or more, 1280 x 1024 (1280 x 960 mini) screen resolution or higher • SSD or 10,000 RPM hard disk drive (minimum requirement of 7 GB of available hard-disk space, additional 3 GB free disk space for cache) • Google Chrome or Internet Explorer 11 (Internet Explorer 9 mini) • Other: 3 button mouse with scroll, keyboard, Microsoft .NET Framework 4.6.1 installed with application
Client Operating System	Windows® 7 and newer (64-bit OS)
Input Data File Formats Supported	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP and X_T
Post-Processing	Includes part finishing tools accessory kit; Requires optional 3D Systems LC-3DPrint Box UV post-curing unit or other UV-curing unit
Accessories	LC-3DPrint Box UV post-curing unit (option, not included), Pedestal (included)
Certifications	FCC, CE, EMC

Figure 4™ Materials for Figure 4 Standalone

A variety of robust, production-grade materials

The production-grade materials available for Figure 4 Standalone include a broad and expanding range of industrial materials, including tough production, fast prototyping, cast and elastomeric materials.

Figure 4 TOUGH-GRY 10

Figure 4 TOUGH-GRY 15

Figure 4 ELAST-BLK 10

Figure 4 JCAST-GRN 10

Properties	Condition	**Figure 4 TOUGH-GRY 10**	**Figure 4 TOUGH-GRY 15**	**Figure 4 ELAST-BLK 10**	**Figure 4 JCAST-GRN 10**
Viscosity (cps)	at 25 °C	490	780	1200	190
Color		Dark Gray	Gray	Black	Green
Solid Density (g/cm^3)	at 25 °C	1.11	1.12	1.13	1.18
Liquid Density (g/cm^3)	at 25 °C	1.04	1.04	1.06	1.09
Package Volume		1 kg bottle	1 kg bottle	1 kg bottle	1 kg bottle
Layer Thickness (mm) Standard Mode		0.05	0.05	0.10	0.02
Vertical Build Speed Standard Mode (mm/hr) Draft Mode (mm/hr)		 78 104	 41 68	 47 NA	 8 NA
Tensile Strength (MPa)	ASTM D638	50	48	3.6	13.7
Tensile Modulus (MPa)	ASTM D638	2180	2120	3.6	262
Elongation at Break	ASTM D638	25%	35%	83%	12%
Elongation at Yield	ASTM D638	4%	4%	NA	NA
Flexural Strength (MPa)	ASTM D790	75	73	NA	NA
Flexural Modulus (MPa)	ASTM D790	2070	1960	NA	NA
Notched Izod Impact Strength (J/m)	ASTM D256	29	32	NA	NA
Unnotched Izod Impact Strength (J/m)	ASTM D4812	598	599	NA	NA
Heat Deflection Temperature at 0.45 MPa at 1.82 MPa"	ASTM D648	 59 °C 51 °C	 59 °C 51 °C	 NA NA	 NA NA
Coefficient of Thermal Expansion (ppm/°C) < Tg > Tg	ASTM E831	 93 165	 96 158	 NA NA	 NA 143
Tear Strength (kN/m)	ASTM D624	NA	NA	11	NA
Compression Set	ASTM D395	NA	NA	0.87%	NA
Glass Transition (Tg)	DMA, E"	58 °C	55 °C	-26 °C	NA
Hardness, Shore	ASTM D2240	81D	82D	65A	68D
Water Absorption	ASTM D570	0.34%	0.37%	1.4%	1.3%
Description		High-speed, production rigid	Economical, production rigid	Design elastomer	Jewelry castable

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