

# Figure 4® Standalone

Ultra-fast and affordable industrial 3D printer for rapid, same-day prototyping and low volume production



**Figure 4 Standalone**

<b>Build Volume (xyz)</b>	124.8 x 70.2 x 196 mm (4.9 x 2.8 x 7.7 in)
<b>Max Resolution</b>	1920 x 1080 pixels
<b>Pixel Pitch</b>	65 microns (0.0025 in) (390.8 effective PPI)
<b>Wavelength</b>	405 nm
<b>Build Materials</b>	UV curable plastics: Figure 4 TOUGH-GRY 10, Figure 4 TOUGH-GRY 15, Figure 4 FLEX-BLK 10, Figure 4 ELAST-BLK 10, Figure 4 JCAST-GRN 10
<b>Material Packaging</b>	1 kg bottles for manual pour
<b>Operating Environment</b> Temperature Humidity (RH)	18-28 °C (64-82 °F) 20-80%
<b>Electrical</b>	100-240 VAC, 50/60 Hz, Single Phase, 4.0A
<b>Dimensions (WxDxH)</b> 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)
<b>Weight</b> 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)
<b>3D Sprint® Software</b>	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
<b>3D Connect™ Capable</b>	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.
<b>Connectivity</b>	10/100/1000 Ethernet Interface
<b>Client Hardware Recommendation</b>	<ul style="list-style-type: none"> <li>• 3 GHz multiple core processor (2 GHz Intel® or AMD® processor mini) with 8 GB RAM or more (4 GB mini)</li> <li>• 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</li> <li>• 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)</li> <li>• Google Chrome or Internet Explorer 11 (Internet Explorer 9 mini)</li> <li>• Other: 3 button mouse with scroll, keyboard, Microsoft .NET Framework 4.6.1 installed with application</li> </ul>
<b>Client Operating System</b>	Windows® 7 and newer (64-bit OS)
<b>Input Data File Formats Supported</b>	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP and X_T
<b>Post-Processing</b>	Includes part finishing tools accessory kit; Requires optional 3D Systems LC-3DPrint Box UV post-curing unit or other UV-curing unit
<b>Accessories</b>	LC-3DPrint Box UV post-curing unit (option, not included), Pedestal (included)
<b>Certifications</b>	FCC, CE, EMC

# Figure 4™ Materials for Figure 4 Standalone

A variety of robust, industrial materials

The materials available for Figure 4 Standalone include a broad and expanding range of industrial materials for low volume production and same-day prototyping.



Figure 4 TOUGH-GRY 10



Figure 4 FLEX-BLK 10



Figure 4 ELAST-BLK 10



Figure 4 JCAST-GRN 10

Properties	Condition	Figure 4 TOUGH-GRY 10	Figure 4 TOUGH-GRY 15	Figure 4 FLEX-BLK 10	Figure 4 ELAST-BLK 10	Figure 4 JCAST-GRN 10
Viscosity (cps)	at 25 °C	490	780	2108	1200	190
Color		Dark Gray	Gray	Black	Black	Green
Solid Density (g/cm <sup>3</sup> )	at 25 °C	1.11	1.12	1.15	1.13	1.18
Liquid Density (g/cm <sup>3</sup> )	at 25 °C	1.04	1.04	1.06	1.06	1.09
Package Volume		1 kg bottle	1 kg bottle	1 kg bottle	1 kg bottle	1 kg bottle
Layer Thickness (mm) Standard Mode		0.05	0.05	0.10	0.10	0.02
Vertical Build Speed Standard Mode (mm/hr) Draft Mode (mm/hr)		78 104	41 68	33 55	47 -	8 -
Tensile Strength, Ultimate (MPa)	ASTM D638	50	48	46	3.6	13.7
Tensile Strength, at Yield (MPa)	ASTM D638	50	48	37		
Tensile Modulus (MPa)	ASTM D638	2180	2120	1400	3.6	262
Elongation at Break	ASTM D638	25%	35%	104%	83%	12%
Elongation at Yield	ASTM D638	4%	4%	6%		
Flexural Strength (MPa)	ASTM D790	75	73	37		
Flexural Modulus (MPa)	ASTM D790	2070	1960	990		
Notched Izod Impact Strength (J/m)	ASTM D256	29	32	55		
Unnotched Izod Impact Strength (J/m)	ASTM D4812	598	599	Did not break		
Heat Deflection Temperature at 0.45 MPa at 1.82 MPa	ASTM D648	59 °C 51 °C	59 °C 51 °C	52 °C 43 °C		
Coefficient of Thermal Expansion (ppm/°C) < Tg > Tg	ASTM E831	93 165	96 158	91 138		- 143
Tear Strength (kN/m)	ASTM D624				11	
Compression Set	ASTM D395				0.87%	
Glass Transition (Tg)	DMA, E"	58 °C	55 °C	18 °C	-26 °C	
Hardness, Shore	ASTM D2240	81D	82D	76D	65A	68D
Water Absorption	ASTM D570	0.34%	0.37%	1.4%	1.4%	1.3%
Description		ABS-like, high-speed	ABS-like, economical	Polypropylene-like, flexible	Design elastomer	Jewelry castable

[www.3dsystems.com](http://www.3dsystems.com)

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.