

# Figure 4<sup>®</sup> Standalone

Ultra-fast and affordable industrial 3D printer



Part of 3D Systems' scalable, fully integrated Figure 4 technology platform, Figure 4 Standalone is an affordable and versatile solution for low volume production, and same-day prototyping for fast design iteration and verification, offering speed, quality and accuracy with industrial-grade durability, service and support.

# Figure 4® Standalone

Ultra-fast and affordable industrial 3D printer



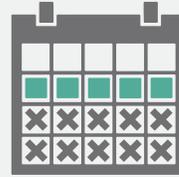
## AFFORDABILITY:

Industrial-grade durability at an affordable price



## VERSATILITY:

Performance from a variety of materials



## SPEED:

Fast throughput speed for accelerated “parts-in-hand” delivery



## TOTAL COST OF OPERATIONS:

Cost efficient parts production



## FAST TURNAROUND

Achieve same-day functional prototyping and low volume production for output volumes of up to 500 parts per month, with ultra-high speeds up to 100 mm/hour.



## EASE OF USE

Figure 4 Standalone was designed for ease-of-use, and includes file preparation and print management with the powerful 3D Sprint® software, quick and easy material changes with a manual material feed, and a separate post-processing accessory available for curing.



## CONSISTENT, HIGH QUALITY OUTPUT

Powered by non-contact membrane Figure 4 technology, Figure 4 Standalone offers quality and accuracy at six sigma repeatability, with exceptional surface finish and fine feature detail. With a compact and easy-to-use design, Figure 4 Standalone delivers industrial-grade durability, service, and support with an Advanced Service Exchange model and 3D Connect™ for proactive and preventative support.



## WIDE RANGE OF APPLICATIONS

With Figure 4 Standalone versatility, you can use the same printer for rapid iteration, functional prototyping, design verification, end-use parts for low volume production and replacement parts, digital texturing applications, jewelry casting patterns, rapid tooling of molds, master patterns, jigs and fixtures.



PRECISE3DM

## Accessories

### LC-3DPRINT BOX UV POST-CURING UNIT

The optional LC-3DPrint Box post-curing unit is available for UV-curing parts, required to obtain the final material properties, and is the recommended UV-curing unit for Figure 4 Standalone print materials. The LC-3DPrint Box is a revolutionary UV light box equipped with 12 UV light bulbs strategically placed inside to ensure a product is illuminated from all sides, which results in a quick and uniform curing cycle. This light-based UV curing process takes minutes versus hours with heat-based curing processes.

### LC-3DMIXER FROM 3D SYSTEMS

The optional LC-3DMixer keeps your Figure 4 materials ready for use at any time at an optimum consistency. The LC-3DMixer is a roller/tilting stirring device for mixing 3D printing materials.



## Wide Range of Materials for Application Diversity

3D Systems' Material Design Center has over 30 years of proven R&D experience and process development expertise. The broad and expanding range of materials available for Figure 4 Standalone addresses a wide variety of applications needs, for functional prototyping, direct production of end-use parts, molding and casting.

### RIGID MATERIALS

Figure 4 rigid materials produce durable plastic parts with the look and feel of cast or injection molded parts, with features that include fast print speeds, high elongation, exceptional impact strength, humidity/moisture resistance, long-term environmental stability and more.

### ELASTOMERIC MATERIALS

Figure 4 elastomeric materials are ideal for the production of functional rubber-like parts with excellent shape recovery, high tear strength, great for compressive applications and material malleability.

### HIGH TEMPERATURE MATERIAL

With heat deflection temperatures up to over 300° C with no additional thermal post-cure required, Figure 4 heat resistant material offers high rigidity and exceptional stability under extreme conditions.

### SPECIALTY MATERIALS

Choose from Figure 4 specialty materials for sacrificial tooling, jewelry casting, medical applications requiring biocompatibility and/or sterilization, and more.



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# Figure 4<sup>®</sup> Standalone

PRINTER HARDWARE	
<b>Build Volume</b> (xyz)	124.8 x 70.2 x 196 mm (4.9 x 2.8 x 7.7 in)
<b>Resolution</b>	1920 x 1080 pixel
<b>Pixel Pitch</b>	65 microns (0.0025 in) (390.8 effective PPI)
<b>Wavelength</b>	405 nm
<b>Operating Environment</b>	
Temperature	18-28 °C (64-82 °F)
Humidity (RH)	20-80%
<b>Electrical</b>	100-240 VAC, 50/60 Hz, Single Phase, 4.0A
<b>Dimensions</b> (WxDxH)	
3D Printer crated	73.66 x 68.58 x 129.54 cm (29 x 27 x 51 in)
Pedestal crated	82.55 x 79.375 x 55.245 cm (32.5 x 31.25 x 21.75 in)
3D Printer uncrated	42.6 x 48.9 x 97.1 cm (16.7 x 19.25 x 38.22 in)
3D Printer + Pedestal uncrated	68.1 x 70.4 x 135.6 cm (26.8 x 27.71 x 53.38 in)
<b>Weight</b>	
3D Printer crated	59 kg (130 lbs)
Pedestal crated	26.3 kg (58 lbs)
3D Printer uncrated	34.5 kg (76 lbs)
3D Printer + Pedestal uncrated	54.4 kg (120 lbs)
<b>Certifications</b>	FCC, CE, EMC

ACCESSORIES	
<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
LC-3DPrint Box	Load capacity (WxDxH): 260 x 260 x 195 mm Dimensions (WxDxH): 41 x 44 x 38 cm Full light spectrum: 300-550 nm Controlled temperature for optimal curing Weight (uncrated): 22 kg Electrical: 110V/230V, 50/60 Hz, 2.6A/1.3A
LC-3DMixer (for mixing materials, purchase separately)	Dimensions (WxDxH): 410 x 270 x 100 mm Weight (uncrated): 4 kg Electrical: 100-240 V, 50/60 Hz

MATERIALS	
<b>Build Materials</b>	See material selector guide and individual material datasheets for specifications on available materials.
<b>Material Packaging</b>	1kg bottles for manual pour

SOFTWARE AND NETWORK	
<b>3D Sprint<sup>®</sup> 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<sup>™</sup> Software Capable</b>	3D Connect Service provides a secure cloud-based connection to 3D Systems service teams for proactive and preventative support.
<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<sup>®</sup> or AMD<sup>®</sup> 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 <sup>®</sup> 7 and newer (64-bit OS)
<b>Input File Formats Supported</b>	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP and X_T

NOTE: Not all products and materials are available in all countries – please consult your local sales representative for availability.

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