

Figure 4[®] 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



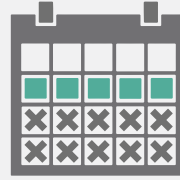
AFFORDABILITY:

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.



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.

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.



Figure 4[®] Standalone

PRINTER HARDWARE	
Build Volume (xyz)	124.8 x 70.2 x 196 mm (4.9 x 2.8 x 7.7 in)
Resolution	1920 x 1080 pixel
Pixel Pitch	65 microns (0.0025 in) (390.8 effective PPI)
Wavelength	405 nm
Operating Environment	
Temperature	18-28 °C (64-82 °F)
Humidity (RH)	20-80%
Electrical	100-240 VAC, 50/60 Hz, Single Phase, 4.0A
Dimensions (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)
Weight	
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)
Certifications	FCC, CE, EMC

ACCESSORIES	
Post-Processing	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	
Build Materials	See material selector guide and individual material datasheets for specifications on available materials.
Material Packaging	1kg bottles for manual pour

SOFTWARE AND NETWORK	
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[™] Software Capable	3D Connect Service provides a secure cloud-based connection to 3D Systems service teams for proactive and preventative support.
Connectivity	10/100/1000 Ethernet Interface
Client Hardware Recommendation	<ul style="list-style-type: none"> • 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 File Formats Supported	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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