

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

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AFFORDABILITY:

Industrial-grade durability at an affordable price



VERSATILITY: Performance from a variety of materials



SPEED:

Fast throughput speed for accelerated "partsin-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 enduse 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 biocompatibity 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

| PR | INTER HARDWARE | | MATERIALS |
|---|--|---|--|
| Build Volume (xyz) | 124.8 x 70.2 x 196 mm (4.9 x 2.8 x 7.7 in) | Build Materials | See material selector guide and individual |
| Resolution | 1920 x 1080 pixel | | datasheets for specifications on available m |
| Pixel Pitch | 65 microns (0.0025 in) (390.8 effective PPI) | Material Packaging | 1kg bottles for manual pour |
| Wavelength | 405 nm | | |
| Operating Environment Temperature Humidity (RH) | 18-28 °C (64-82 °F) 20-80% | SOFTWARE AND NETWORK | |
| Electrical | 100-240 VAC, 50/60 Hz, Single Phase, 4.0A | 3D Sprint [®] Software | Easy build job set-up, submission and job qu management; Automatic part placement an optimization tools; Part nesting capability; p editing tools; Automatic support generation statistics |
| Dimensions (WxDxH) 3D Printer crated Pedestal crated | 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) | | |
| 3D Printer uncrated 3D Printer + Pedestal uncrated | 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) | 3D Connect™ Software Capable | 3D Connect Service provides a secure cloud connection to 3D Systems service teams for proactive and preventative support. |
| Weight 3D Printer crated Pedestal crated | 59 kg (130 lbs) 26.3 kg (58 lbs) | Connectivity | 10/100/1000 Ethernet Interface |
| 3D Printer uncrated 3D Printer + Pedestal uncrated | 34.5 kg (76 lbs) 54.4 kg (120 lbs) | Client Hardware Recommendation | 3 GHz multiple core processor (2 GHz Int AMD[®] processor mini) with 8 GB RAM or |
| Certifications | FCC, CE, EMC | | (4 GB mini) OpenGL 3.2 and GLSL 1.50 support (Open |
| ACCESSORIES | | | and GLSL 1.20 mini), 1 GB video RAM or m 1280 x 1024 (1280 x 960 mini) screen resc or higher • SSD or 10,000 RPM hard disk drive (minim |
| Post-Processing | Includes part finishing tools accessory kit; Requires optional 3D Systems LC-3DPrint Box UV post-curing unit or other UV-curing unit | | requirement of 7 GB of available hard-disl additional 3 GB free disk space for cache) Google Chrome or Internet Explorer 11 (In Explorer 9 mini) |
| 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 | | Other: 3 button mouse with scroll, keybo Microsoft .NET Framework 4.6.1 installed application |
| | | Client Operating System | Windows [®] 7 and newer (64-bit OS) |
| | | Input File Formats Supported | STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3D IGES, IGS, STEP, STP and X_T |
| 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 | NOTE: Not all products and materials are available in all countries – | |

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

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Additive Manufacturing Solutions

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