Stratasys
F123 Series
Reliable. Repeatable. Exceptional.
Precision 3D printing.
Easy as F123.
More reliable, more affordable, more productive rapid prototyping and manufacturing than ever before.

More speed. More productivity.
F123 Series 3D printers give designers, engineers and educators access to affordable, industrial-grade 3D printing. Work faster through concept iterations and component verification. Increase productivity and reach your goals sooner with repeatable results.

Smother workflow. Quieter workspace.
F123 3D printers are designed for supreme ease of use and a more streamlined workflow, working seamlessly with the design-to-print GrabCAD Print™ software. They provide the reliability and simplicity needed in a 3D printing platform to refine designs. This can be done within the workspace, thanks to clean, safety-certified printers that are the quietest on the market.

From the affordable F120™ through the versatile F370, the choices available with F123 Series printers are unmatched. Work with a wide range of materials including elastomer.* Achieve complex geometries and interlocking components with our unique soluble support material. However intricate the part, the soluble support dissolves to leave a pristine finish, requiring no hands-on removal.
PRODUCT SPECIFICATIONS

System Size and Weight

| F120 | 889 x 870 x 721 mm (35 x 35 x 29 in.), 124kg (275 lbs) |
| F170, F270, F370 | 1,626 x 864 x 711 mm (64 x 34 x 28 in.), 227 kg (500 lbs) with consumables |

Noise Specification

46 dB maximum during build, 35 dB when idle

Layer Thickness

<table>
<thead>
<tr>
<th>Layer Thickness</th>
<th>0.330mm (0.013 in.)</th>
<th>0.254mm (0.010 in.)</th>
<th>0.178mm (0.007 in.)</th>
<th>0.127mm (0.005 in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA</td>
<td>○</td>
<td>●</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>ABS</td>
<td>●</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ASA</td>
<td>●</td>
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<td>●</td>
<td>●</td>
</tr>
<tr>
<td>PC-ABS</td>
<td>●</td>
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<tr>
<td>FDM™ TPU 92A</td>
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Accuracy

Parts are produced within an accuracy of +/- .200 mm (.008 in), or +/- .002 mm/mm (.002 in/in), whichever is greater.

Network Connectivity

Wired: TCP/IP protocols at 100 Mbps minimum 100 base T, Ethernet protocol, RJ45 connector

Wireless-ready: IEEE 802.11n, g, or b; Authentication: WPA2-PSK, 802.1x EAP; Encryption: CCMP, TKIP

System Requirements

Windows 7, 8, 8.1 and 10 (64 bit only) with a minimum of 4GB RAM (8 GB or more recommended)

Operating Environment

Operating: Temperature: 59 – 86 ºF (15 – 30 ºC), Humidity: 30 – 70% RH

Storage: Temperature: 32 – 95 ºF (0 – 35 ºC), Humidity: 20 – 90% RH

Power Requirements

100–132V/15A or 200 – 240V/7A, 50/60 Hz

Regulatory Compliance

CE (low-voltage and EMC directive), FCC, EAC, cTUVus, FCC, KC, RoHs, WEEE, Reach

<table>
<thead>
<tr>
<th>F120</th>
<th>F170</th>
<th>F270</th>
<th>F370</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build tray dimension</td>
<td>254 x 254 x 254 mm (10 x 10 x 10 in.)</td>
<td>254 x 254 x 254 mm (10 x 10 x 10 in.)</td>
<td>305 x 254 x 305 mm (12 x 10 x 12 in.)</td>
</tr>
<tr>
<td>Material Bays</td>
<td>2 total (external) 1 model / 1 support</td>
<td>2 total 1 model / 1 support</td>
<td>4 total 2 model / 2 support</td>
</tr>
<tr>
<td>Software</td>
<td>GrabCAD Print™</td>
<td>GrabCAD Print</td>
<td>GrabCAD Print</td>
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</tbody>
</table>

HEADQUARTERS

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1 Not available on the F120
2 Accuracy is geometry-dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield. Z part accuracy includes an additional tolerance of +/- .000 +size height.
3 PLA does not utilize soluble support material. The supports are made of breakaway PLA.