Stratasys
F123 Series
Reliable. Repeatable. Exceptional.
Precision 3D printing.
Easy as F123.

More reliable, more affordable, more professional rapid prototyping than ever before.


Our F123 Series of 3D printers enable designers and engineers to work faster through design concept iterations and component verification to precise, functional prototypes. You can reach your market sooner, eliminate post-production quality snags and outperform the competition.

Smother workflow. Quieter workspace.

Our F123 3D Printers are designed for supreme ease of use and a more streamlined workflow, working seamlessly with our design-to-print GrabCAD Print™ software. They provide the reliability and simplicity needed in a rapid prototyping platform to refine designs. This can be done within the office space, thanks to clean, safety-certified printers that are the quietest on the market.
More materials.
More possibilities.

The F123 Series works with a wide range of materials, including our new 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.

30 years of expertise.
100,000 hours of testing.
Only one F123 Series.

For companies new to 3D printing and established users alike, Stratasys F123 3D Printers are the game-changing choice, with the highest levels of plug-and-play reliability.
**PRODUCT SPECIFICATIONS**

### System Size and Weight
1626 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>Material</th>
<th>0.330mm</th>
<th>0.254mm</th>
<th>0.178mm</th>
<th>0.127mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA</td>
<td>●</td>
<td>●</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>ABS</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ASA</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>PC-ABS</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>TPU 92A</td>
<td>○</td>
<td>●</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

### 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 (64bit only) with a minimum of 4GB RAM (8GB or more recommended)

### Operating Environment
- Operating: Temperature: 59-86°F (15-30°C), Humidity: 30-70% RH
- Storage: Temperature: 32-95°F (0-35°C), 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

### Available Material
- F170: PLA, ABS-M30, ASA, TPU 92A
- F270: PLA, ABS-M30, ASA, TPU 92A
- F370: PLA, ABS-M30, ASA, PC-ABS, TPU 92A

### Build Tray Dimension
- F170: 254 x 254 x 254 mm (10 x 10 x 10 in.)
- F270: 305 x 254 x 305 mm (12 x 10 x 12 in.)
- F370: 355 x 254 x 355 mm (14 x 10 x 14 in.)

### Material Bays
- F170: 2 total
  - 1 model / 1 support
- F270: 2 total
  - 1 model / 1 support
- F370: 4 total
  - 2 model / 2 support

### Software
- F170: GrabCAD Print™
- F270: GrabCAD Print™
- F370: GrabCAD Print™ Insight

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**HEADCUARTERS**

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1. PLA does not utilize soluble support material. The supports are made of breakaway PLA.
2. Accuracy is geometry-dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield. Z part accuracy includes an additional tolerance of -0.002 + slice height.