

# F3300

High-throughput, next-level FDM technology for lower overall cost per part.

The F3300™ embodies new FDM® technology producing significant enhancements in speed, throughput, reliability and quality. Advancements include linear motors and encoders for fast, precise extruder movement, four extruders with a patented automatic tool (extruder) changer for multi-resolution printing and system redundancy, material dryers for optimal material characteristics, and autocalibration to reduce labor and operator input.

Four material bays and large 4,100 cc (250 cu.in.) spools provide sufficient material capacity for uninterrupted longer build times.

Software includes GrabCAD Print™, GrabCAD Print Pro™, and Insight™ for a simple CAD-to-part workflow and detailed toolpath and print management. MTConnect is included for factory floor connectivity.

## System Specifications

<b>Build Tray Dimensions (XYZ)</b>	600 x 600 x 800 mm (23.6 x 23.6 x 31.5 in.)
<b>Material Delivery</b>	4 material spool bays feeding 4 extruders; mix-and-match model or support; independently controlled onboard material dryers included (120 °C max temp)
<b>Material Capacity</b>	16,400 cc total (1,000 ci) comprised of four 4,100 cc spools <11 kg fully loaded (<25 lbs)

## Material Options

Material	Layer Thickness			Support Structure	Available Colors
	0.188 mm (0.007 in.)	0.250 mm (0.010 in.)	0.500 mm (0.020 in.)		
<b>ASA</b>	●	●	●	SR-35™ (soluble)	<input type="checkbox"/> Ivory <input checked="" type="checkbox"/> Red <input type="checkbox"/> White <input checked="" type="checkbox"/> Black <input type="checkbox"/> Light Gray
<b>PC</b>		●	●	SR-110™ (soluble)	<input type="checkbox"/> White
<b>FDM® Nylon 12CF*</b>		●	●	SR-110™ (soluble)	<input checked="" type="checkbox"/> Black
<b>ULTEM™ 1010 resin</b>		●		SUP9000B™ (breakaway)	<input type="checkbox"/> Natural
<b>ULTEM™ 9085 resin</b>	●	●	●	SUP8500B™ (breakaway)	<input type="checkbox"/> Natural <input checked="" type="checkbox"/> Black
<b>ULTEM™ 9085 CG resin</b>		●		SUP8500B™ (breakaway)	<input type="checkbox"/> Natural

\* Requires hardened hot end.



## Other Specifications

### System Size and Weight (uncrated)

\* see Installation Requirements below for crated specifications

Width: 203.2 cm (80 in.)  
Depth: 162.6 cm (64 in.)  
Height (with light tower): 236.2 cm (93 in.)  
Height (without light tower): 221.0 cm (87 in.)  
Weight: 1,360 kg (3,000 lbs)

### Achievable Accuracy

XY part accuracy +/- 0.089 mm (+/- 0.0035 in.) or +/- 0.0015 mm/mm (+/- 0.0015 in./in.) whichever is greater. Z part accuracy +/- 0.200 mm (+/- 0.008 in.) or +/- 0.002 mm/mm (+/- 0.002 in./in.) plus 1 layer height.

Accuracy is geometry and material dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield.

### Software

GrabCAD Print, GrabCAD Print Pro, Insight, MTConnect enabled

### Network Connectivity

10/100 Base T, Ethernet Protocol, RJ45 connector, IPv6

### Operating Environment

System operating temperature shall be in the range of 15 °C to 30 °C (60 °F to 86 °F), with relative humidity range of 20% to 80% non-condensing.

### Extruder Hot End Sizes

(tip size in mm, H = hardened)

Model	Material	Support Material	Layer Thickness
N350/N350H		N410	0.188 mm
N500/N500H		N410	0.250 mm
N750/N750H		N750	0.375 mm/0.500 mm

### Noise Emission (Acoustic)

<65 dBA when idle and in operation

### Onboard Cameras

Two (2) cameras – front-mounted showing extruder level and rear-mounted showing full chamber view

### Regulatory Compliance

CE (Machinery Directive & EMC) 2006/42/EC, cTUVus, FCC Part B

### Power Requirements

208V, 3 PH, 30A dedicated circuit, 50/60 Hz, 5-wire (L-L-L-N-G)

### Facility Requirements

Compressed Air: 90-110 psi with 14 CFM minimum flow

### Installation Requirements

Forklift required for uncrating, installation and movement.

Crated Dimensions:

Width: 243.8 cm (96 in.)  
Depth: 203.2 cm (64 in.)  
Height: 254.5 cm (100.2 in.)

Crated Weight:

1,724 kg (3,800 lbs)



[stratasys.com](http://stratasys.com)

ISO 9001:2015

Certified

Stratasys Headquarters

5995 Opus Parkway,  
Minnetonka, MN 55343  
+1 800 801 6491 (US Toll Free)  
+1 952 937-3000 (Intl)  
+1 952 937-0070 (Fax)

1 Holtzman St.

Science Park  
Rehovot, 7670401  
Israel  
+972 74 745 4000  
+972 74 745 5000 (Fax)

## PRODUCT SPEC SHEET FDM

© 2026 Stratasys. All rights reserved. Stratasys, the Stratasys Signet logo and FDM are registered trademarks of Stratasys Inc. F3300, GrabCAD Print, GrabCAD Print Pro, Insight, FDM Nylon 12CF, SR-35 and SR-110 are trademarks of Stratasys, Inc. 9085, 1010 and ULTEM™ are trademarks of SABIC, its affiliates or subsidiaries. All other trademarks are the property of their respective owners, and Stratasys assumes no responsibility with regard to the selection, performance, or use of these non-Stratasys products. Product specifications subject to change without notice. PSS\_FDM\_F3300\_0526a