

From the Inventors of FDM
FDM Re-Invented

Stratasys F3300 - Der neue Standard der industriellen FDM-Technologie

Built for Manufacturing!

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Making additive work for you.™



Key Product Features

F3300

Tool Changer

- **QTY 4** Loaded Extruders
- Multi-resolution/Multi-color
- Reduce swap time
- Redundant tools for reliability
- Auto Calibration
- Reliable changeover process

On-Board Material Dryers

- Four (4) Large 4100cc (250ci) spools
- Better part quality
- Improved process control
- Up to 120C

Monitoring and Data Collection

- Large user friendly 15.6" (39.6cm) monitor with 2 cameras
- Sensors monitor all motors and process control features
- MTConnect ready (428 data streams)

New Smart Extruders

- 2x faster extrusion
- Load cells monitor pressure
- Dual thermocouples for advanced melt flow of filament
- Low mass
- Quad drive control



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Game Changing Throughput

Up to **2X** Faster Time-to-Part

- ◆ Compared to the leading industrial filament printer
- ◆ Increased gantry speed
- ◆ Faster extrusion rates – up to 270 cm³/h
- ◆ Autocalibration
- ◆ Automatic tool changer

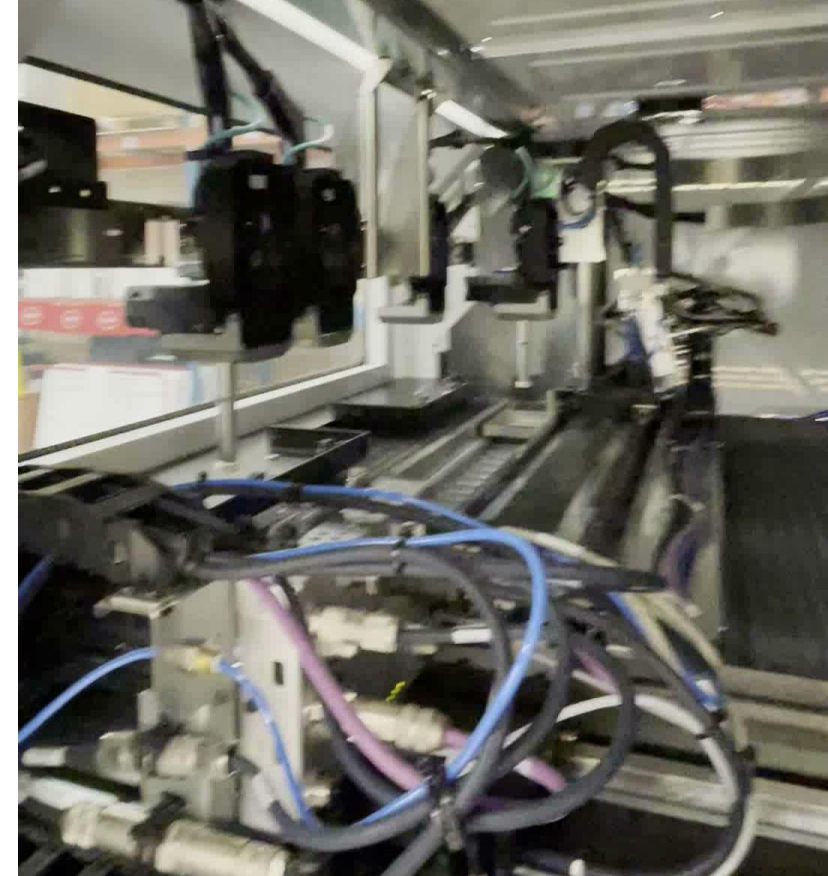


F3300

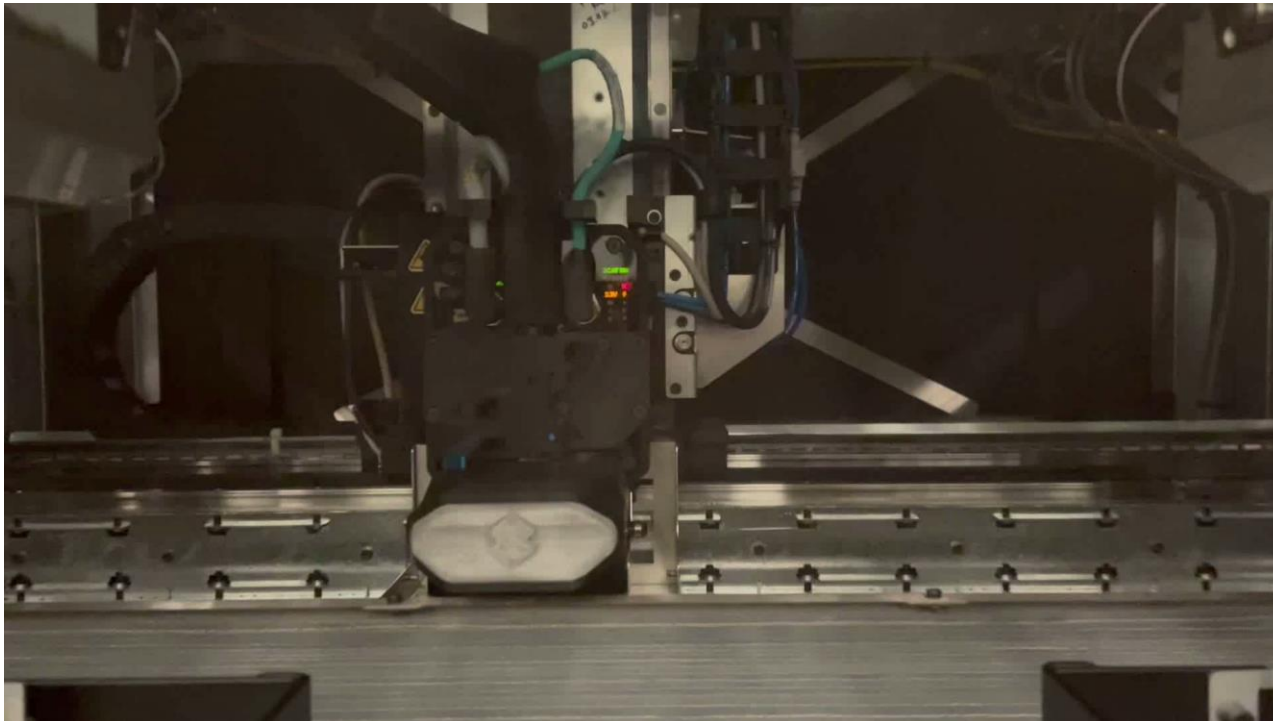
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Faster extruder swaps

- ◆ <15 seconds



Game Changing Throughput



Fast printing with linear motors

- ◆ 500 mm/s printing
- ◆ 1500 mm/s non-printing
- ◆ 1.2 G acceleration

F3300 Part examples

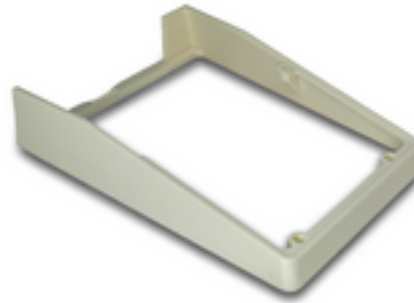
Faster print times

Touchscreen Frame

System	F3300	F900
Model	880 cc	850 cc
Support	20.5 cc	18.0 cc
Time	8 hours 42 min	16 hours 43 min

Tube guide housing (umbilicals)

System	F3300	F900
Model	106 cc	90 cc
Support	11.6 cc	8.5 cc
Time	1 hours 37 min	2 hours 28 min



Throughput Proof Points

Part suite example; 9 parts of various geometries



Up to **2X**
Faster
Time-to-Part

Data is ASA w/Solid infill at 0.25mm slice height.

Faster with 0.020" (0.50mm) slice

- F900 0.020" average:
 - ~6.5 in³/hr (106,6 cm³/h)
- F3300 N750:
 - ~11.5 in³/hr (188.28 cm³/h)

Part Number	Alternative time [hrs]	F3300 time [hrs]	Part Volume [in ³]	F3300 X faster
1	1.1	0.8	0.32	1.4x
2	13.5	5.3	56.70	2.6x
3	2.7	1.8	3.82	1.5x
4	0.62	0.55	0.39	1.1x
5	53.8	26.0	159.66	2.1x
6	30.7	16.6	72.18	1.9x
7	39.0	21.4	48.25	1.8x
8	6.3	3.4	12.60	1.9x
9	19.2	11.4	41.11	1.7x
Total	167.0	87.0	395.0	~1.8x
Average in³/hr (cm³/h)	2.37 (38.9)	4.54 (74.5)		
Max in³/hr (cm³/h)	4.26 (69.8)	11.24 (184.3)		
Min in³/hr (cm³/h)	0.68 (11.2)	1.49 (24.5)		

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Game Changing Throughput

FOUR Extruders

- ◆ Mix and match the materials based on job requirements
- ◆ Model - support change from 60 to 15 seconds



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Parts Examples

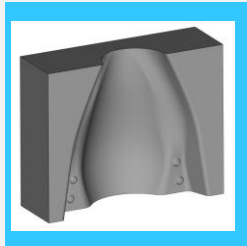
Process Savings with Multi-color

- ❖ Simple multi-colored parts without the extra process steps
- ❖ Create jigs, fixtures with part numbers or instructions
- ❖ Safety signs with better visuals

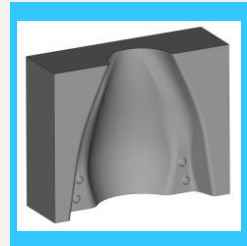


Throughput

Standard Solid Printing

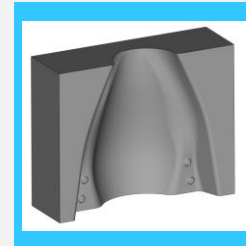


Good Surface finish

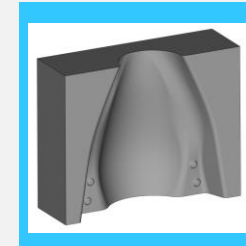


Fast Printing

Double high/Double wide Printing



Good surface/
Fast printing



Good surface/
Fastest printing

	F3300	N500 Solid (0.25mm)
Time (H:Min)	58:59	
Model cc	10717	182 cm ³ /h
Support cc	26	

	F3300	N750 Solid (0.50mm)
Time (H:Min)	44:12	
Model cc	10652	241 cm ³ /h
Support cc	25	

	F3300	N500 & N750 Solid
Time (H:Min)	51:47	
Model cc	10553	205 cm ³ /h
Support cc	26	

	F3300	N500 & N750 Sparse
Time (H:Min)	15:21	
Model cc	1413	92 cm ³ /h
Support cc	26	

New Improved Spool Design

- 4100 cubic cm per spool (~250 cubic inches)
- Mass < 9 kg for a loaded spool (varies by material)
- Chip mounted in handle and tethered to spool
- Shipped in a bag in a box @ <0.04% moisture
- 406mm OD x 127mm wide

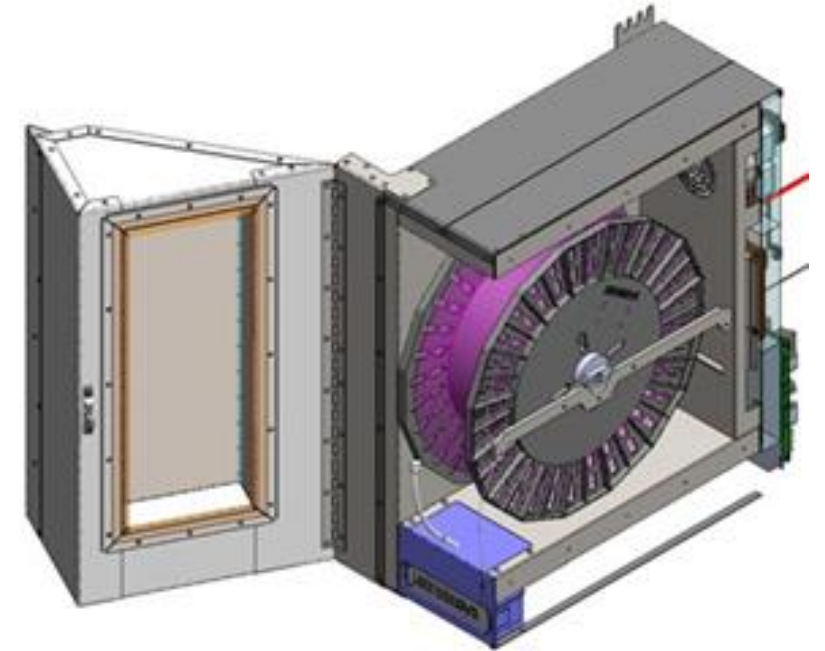
Launch Materials

ASA: 5 colors

ULTEM 9085: 2 colors

Nylon 12CF

PC





Thank you!

