Stratasys 3D Printers Designed For a 3D World

Today, wherever speed, efficiency and accuracy matter, you'll find a Stratasys 3D Printer at work. From product design studios, engineering departments and manufacturing plants to schools, hospitals and dental labs — the next industrial revolution has clearly arrived. And Stratasys is here to lead it.

Stratasys is at the forefront of this game-changing revolution — creating an unprecedented, amazingly powerful resource for the world of design, engineering and manufacturing. The resulting systems offer a variety of professional 3D printing solutions — from desktop 3D printers for idea development to medium-sized 3D printers for functional prototyping, all the way up to large-scale production systems for digital manufacturing. Simply put: The universe of creation will never be the same.

Learn more at Stratasys.com.

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Stratasys
FOR A 3D WORLD™

Introducing Triple-Jetting Possibilities

Work efficiently, expand production possibilities and achieve ultimate final-product realism.

Triple-jetting technology is PolyJet™ 3D Printing at its most advanced. Not only does this produce the most sophisticated multi-material prototypes and parts, but it offers surprising workflow benefits.

Mixed parts: Reduce or eliminate the need for assembly when you build as many as 82 distinct material properties into a single part in one automated job. Prototype complex products with flexible, rigid, colorful, translucent and opaque components just by hitting "print."

Mixed trays: Multi-material 3D printing provides great efficiency, even when all you need are single-material parts. Serve diverse needs simultaneously by building a variety of dissimilar parts in one job.

Few material changeovers: With three base resins loaded at once, triple-jetting systems require few material changes, meaning you enjoy more uptime and the ability to build a wider variety of parts at a moment's notice.

Multiple Material Options for Multi-Material Parts

Rigid Opaque: Use for precise, accurate tools, like check gauges and assembly fixtures, or for detailed research models. Combine with other materials for complex parts.

Transparent: Build clear models or transparent/opaque combinations including opaque model interiors with transparent exteriors, and parts that allow liquid and air-flow monitoring.

Rubber-like: Enhance tools with soft, non-slip surfaces and add any number of flexible details to models and advanced prototypes — even for overmolded products.

Specialty materials: Build custom medical devices and research aids with Bio-compatible material. Choose High Temperature material for use with hot liquids and hot air flow. Conduct advanced prototyping with Simulated Polypropylene.

Digital Materials: The Connex2™ and Connex3™ platforms offer over 100 material options — including Digital ABS™ — perfect for durable end-use parts.

Color: The Connex3 platform offers extraordinary final-product realism. Extensive true-to-life color options let you build vibrant colors into multi-material parts — even in translucent or flexible combinations.
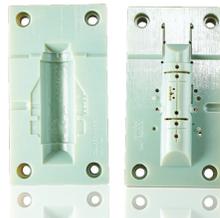
Rely on the speed and precision of PolyJet technology.

Triple-jetting 3D printers employ the most advanced PolyJet technology. Similar to inkjet document printing, PolyJet 3D printing jets micro-layers of liquid photopolymer onto a build tray, then cures it with UV light. The layers build up one at a time to create a fully realized 3D part or prototype. These fully cured parts can be handled and used immediately, without additional finishing.

Along with the selected model materials, triple-jetting 3D Printers also jet a gel-like support material specially formulated to uphold overhangs and complex geometries during the printing process. When completed, the gel is easily removed by WaterJet.

PolyJet 3D Printing technology benefits manufacturers with its professional quality and speed, high precision and wide choice of materials. PolyJet technology is also renowned for precision prototyping, setting the standard for finished-product realism.

Product Specifications	Connex1™	Connex2	Connex3
Materials	Rigid Opaque: VeroWhitePlus™, VeroBlackPlus™, VeroGray™ and VeroBlue™ Rubber-like: Tango™ family Transparent: RGD720 and VeroClear™ Simulated Polypropylene (Endur™ and Durus™) Bio-compatible High Temperature	Rigid Opaque: VeroWhitePlus, VeroBlackPlus, VeroGray and VeroBlue Rubber-like: Tango family Transparent: RGD720 and VeroClear Simulated Polypropylene (Endur and Durus) Bio-compatible High Temperature **Digital Materials:** Dozens of Digital Materials fabricated on the fly, including durable Digital ABS.	Rigid Opaque: Vero™ family including color Rubber-like: Tango family including color and translucent Transparent: VeroClear including color Simulated Polypropylene (Endur and Durus) Bio-compatible High Temperature **Digital Materials:** Hundreds of Digital Materials fabricated on the fly, including durable Digital ABS.
Material Options	14	120	Over 1,000
Maximum Materials per Part	3	27	82
Support Material	SUP705 non toxic gel-like photopolymer support	SUP705 non toxic gel-like photopolymer support	SUP705 non toxic gel-like photopolymer support
Build Size (XxYxZ)	**Objet®260™ Connex1™:** 255 x 252 x 200 mm (10.0 x 9.9 x 7.9 in) **Objet350™ Connex1:** 340 x 340 x 200 mm (13.4 x 13.4 x 7.9 in) **Objet500™ Connex1:** 490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in)	**Objet260 Connex2:** 255 x 252 x 200 mm (10.0 x 9.9 x 7.9 in) **Objet350 Connex2:** 340 x 340 x 200 mm (13.4 x 13.4 x 7.9 in) **Objet500 Connex2:** 490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in)	**Objet260 Connex3:** 255 x 252 x 200 mm (10.0 x 9.9 x 7.9 in) **Objet350 Connex3:** 340 x 340 x 200 mm (13.4 x 13.4 x 7.9 in) **Objet500 Connex3:** 490 x 390 x 200 mm (19.3 x 15.4 x 7.9 in)
Layer Thickness	Horizontal build layers as fine as 16 microns (.0006 in)	Horizontal build layers as fine as 16 microns (.0006 in)	Horizontal build layers as fine as 16 microns (.0006 in)
Build Resolution	x-axis: 600 dpi; y-axis: 600 dpi; z-axis: 1600 dpi	x-axis: 600 dpi; y-axis: 600 dpi; z-axis: 1600 dpi	x-axis: 600 dpi; y-axis: 600 dpi; z-axis: 1600 dpi
Accuracy	20-85 microns for features below 50 mm; up to 200 microns for full model size	20-85 microns for features below 50 mm; up to 200 microns for full model size	20-85 microns for features below 50 mm; up to 200 microns for full model size
Workstation Compatibility	Windows 7 and 8	Windows 7 and 8	Windows 7 and 8
Network Connectivity	LAN - TCP/IP	LAN - TCP/IP	LAN - TCP/IP
System Size and Weight	**Objet260 Connex1:** 870 x 735 x 1200 mm (34.3 x 28.9 x 47.2 in) 264 kg (582 lbs) **Objet350 Connex1:** 1420 x 1120 x 1130 mm (55.9 x 44.1 x 44.5 in) 500 kg (1102 lbs) **Objet500 Connex1:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.3 in) 430 kg (948 lbs) *Material Cabinet:* (Objet260/350/500 Connex1): 330 x 1170 x 640 mm (13 x 46.1 x 26.2 in) 76 kg (168 lbs)	**Objet260 Connex2:** 870 x 735 x 1200 mm (34.3 x 28.9 x 47.2 in) 264 kg (582 lbs) **Objet350 Connex2:** 1420 x 1120 x 1130 mm (55.9 x 44.1 x 44.5 in) 500 kg (1102 lbs) **Objet500 Connex2:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.3 in) 430 kg (948 lbs) *Material Cabinet:* (Objet260/350/500 Connex2): 330 x 1170 x 640 mm (13 x 46.1 x 26.2 in) 76 kg (168 lbs)	**Objet260 Connex3:** 870 x 735 x 1200 mm (34.3 x 28.9 x 47.2 in) 264 kg (582 lbs) **Objet350 Connex3:** 1420 x 1120 x 1130 mm (55.9 x 44.1 x 44.5 in) 500 kg (1102 lbs) **Objet500 Connex3:** 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.3 in) 430 kg (948 lbs) *Material Cabinet:* (Objet260/350/500 Connex3): 330 x 1170 x 640 mm (13 x 46.1 x 26.2 in) 76 kg (168 lbs)
Power Requirements	110-240 VAC 50-60Hz; 1.5 KW single phase	110-240 VAC 50-60Hz; 1.5 KW single phase	110-240 VAC 50-60Hz; 1.5 KW single phase
Operational Conditions	Temperature 18-25°C (64-77°F); relative humidity 30-70% (non-condensing)	Temperature 18-25°C (64-77°F); relative humidity 30-70% (non-condensing)	Temperature 18-25°C (64-77°F); relative humidity 30-70% (non-condensing)