

Stratasys 3D Printing Systems



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Technimold







ABOUT STRATASYS

We help designers, engineers and manufacturers across virtually every industry transform their capabilities and accelerate their progress.

STRATASYS OVERVIEW

For more than 25 years, Stratasys has been at the forefront of 3D printing and additive manufacturing innovation.

HEADQUARTERED IN EDEN PRAIRIE, MINNESOTA AND REHOVOT, ISRAEL OVER **800** GRANTED OR PENDING ADDITIVE MANUFACTURING **PATENTS GLOBALLY**

151,149 CUMULATIVE SYSTEMS SOLD* OVER 30 TECHNOLOGY AND LEADERSHIP AWARDS

PUBLICALLY TRADED ON NASDAQ (SSYS)

\$700 - \$730 Million REVENUE (2016 guidance from Q2'16)

*AS OF MARCH, 2016



STRATASYS SOLUTIONS



3D Printers and Production SYSTEMS

Stratasys offers a full range of 3D printers for every industry and application, including the world's most advanced 3D printing technologies, materials and support.



POWERED BY TWO LEADING-EDGE TECHNOLOGIES

FUSED DEPOSITION MODELING (FDM)

- FDM Technology build parts layer-by-layer from the bottom up by heating and extruding thermoplastic filament.
- The technology is clean, simple-to-use and office-friendly.
- Supported production-grade thermoplastics are mechanically and environmentally stable.
- Complex geometries and cavities that would otherwise be problematic become practical with FDM technology

POLYJET

- Works similarly to inkjet printing, but instead of jetting drops of ink onto paper, PolyJet 3D Printers jet layers of curable liquid photopolymer onto a build tray.
- Create smooth, detailed models that convey final-product aesthetics.
- Achieve complex shapes, intricate details and delicate features.
- Incorporate the widest variety of colours and materials into a single model.



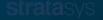
FDM



POLYJET



TWO IMPORTANT QUESTIONS



1. HOW DO YOU WANT TO USE 3D PRINTING?

Early form concepts Detailed product mock-ups Fully functional prototypes **On-product testing** Injection, blow or LSR mould tools Jigs & fixtures Robotic end of arm tools Composite lay-ups Metal forming **Production parts**



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2. HOW GOOD IS GOOD ENOUGH?

FORM

- How detailed should the printed part be?
- How lifelike should the colours be?

FIT

- How accurate should the printer be?
- How resilient should the prototype be?

FUNCTION

- · How functional should the materials be?
- How close should it be to the final product?











HOWEVER YOU WANT TO USE 3D PRINTING AND HOWEVER GOOD YOU NEED THE PRINTER TO BE, STRATASYS HAS A SOLUTION.

MAKERBOT



- FDM[®] Technology.
- Prints in PLA thermoplastic.
- Ideal for early concept modelling and educational use.
- Cloud and mobile connectivity.



FORTUS FAMILY

- FDM[®] Technology.
- The 3D Production System.
- Wide choice of high-performance engineering-grade materials.
- Large build envelopes and high speed options.

DESKTOP FAMILY

- FDM[®] Technology.

IDEAS SERIES

- Prints in high quality ABS*plus* thermoplastics.
- Perfect for functional prototyping and the creation of small jigs & fixtures.
- Simple to use and office-friendly.

- Polyjet[®] technology.
- Small & quiet for in-office printing.
- Smooth surfaces and fine precision.
- A wide choice of materials, including opaque or clear rigid plastics, flexible, high-temperature or bio-compatible.

DIMENSION FAMILY



- FDM[®] Technology.
- Enhanced durability thanks to production-grade thermoplastic.
- A tool for today's fast-track product development.



CONNEX FAMILY

- Polyjet[®] technology.
- Multi-material and full-colour to produce truly lifelike models.
- Finer layers and faster 3D printing.
- Incredible versatility for multiple applications.

Stratasys J750





STRATASYS INVENTS 3D PRINTING. AGAIN.



The world's only full color, multi-material, high resolution 3D printer



Six base materials - thousands of colors and material combinations

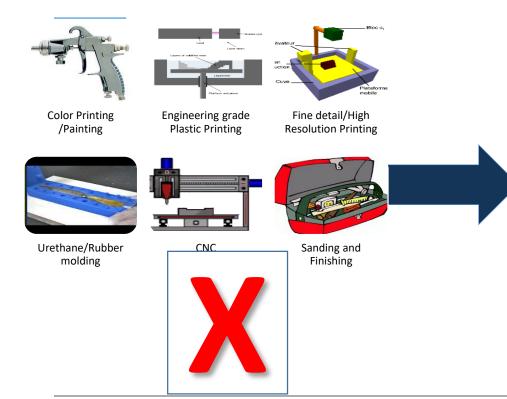
Unprecedented ease of use and accessibility



True-to-life, multi-material, full color, high detail models



Replace several, single capability machines & processes with one versatile system:



J750 Covers all your application needs



- High resolution detail, and accuracy
- Combine color, images and transparent materials
- High performance engineering grade plastics and rubbers



Reinventing invention

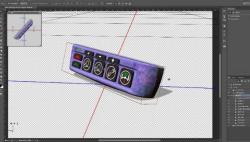
• Synergy

- A single print eliminates the need to outsource:
 - CNC machining
 - Water printing
 - Casting
 - Sanding
 - Silicone Engraving
 - Pad printing
- Time was cut from two weeks to a few hours
- Cost of prototype was cut by over 70%

"Now our customers can make instant decisions about the ergonomics of a product – ab touch and feel –

as well as test how it fits into its environment."

- Tamar Fleisher , Synergy art director



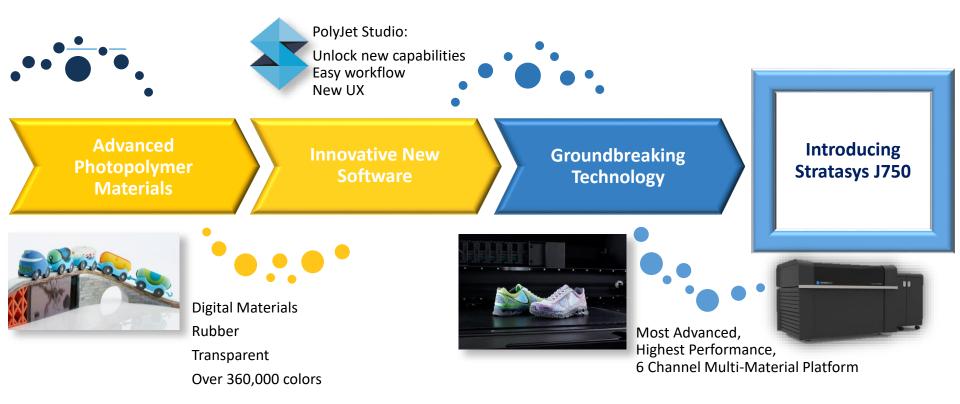


3rd Generation Multi-Material Technology





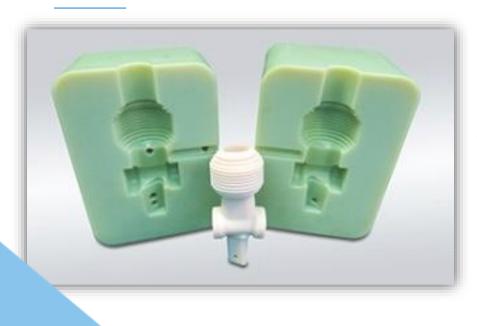
The Best Gets Better – Innovation to drive adoption





6 MATERIAL CHANNELS ENDLESS POSSIBILITIES





Engineering-grade plastic (Digital ABS[™]) to general-use plastics



STRATASYS / THE 3D PRINTING SOLUTIONS COMPANY



- Engineering-grade plastic (Digital ABS) to general-use plastics
- Single-material parts to over-molded parts





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- Flexible to rigid





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- Smooth to rough
- Opaque to transparent to clear-tinted





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- Fine to large features
- Hard to soft
- Smooth to rough
- Opaque to transparent to clear-tinted
- Solid color to images and textures



The most **REALISTIC**

models in the 3D printing industry

"For the first time, we can produce full color, life-like, plastic models"



The most **VERSATILE**

One system to cover all our application needs





Stratasys J750: Mature technology, Ground-breaking Capability

