



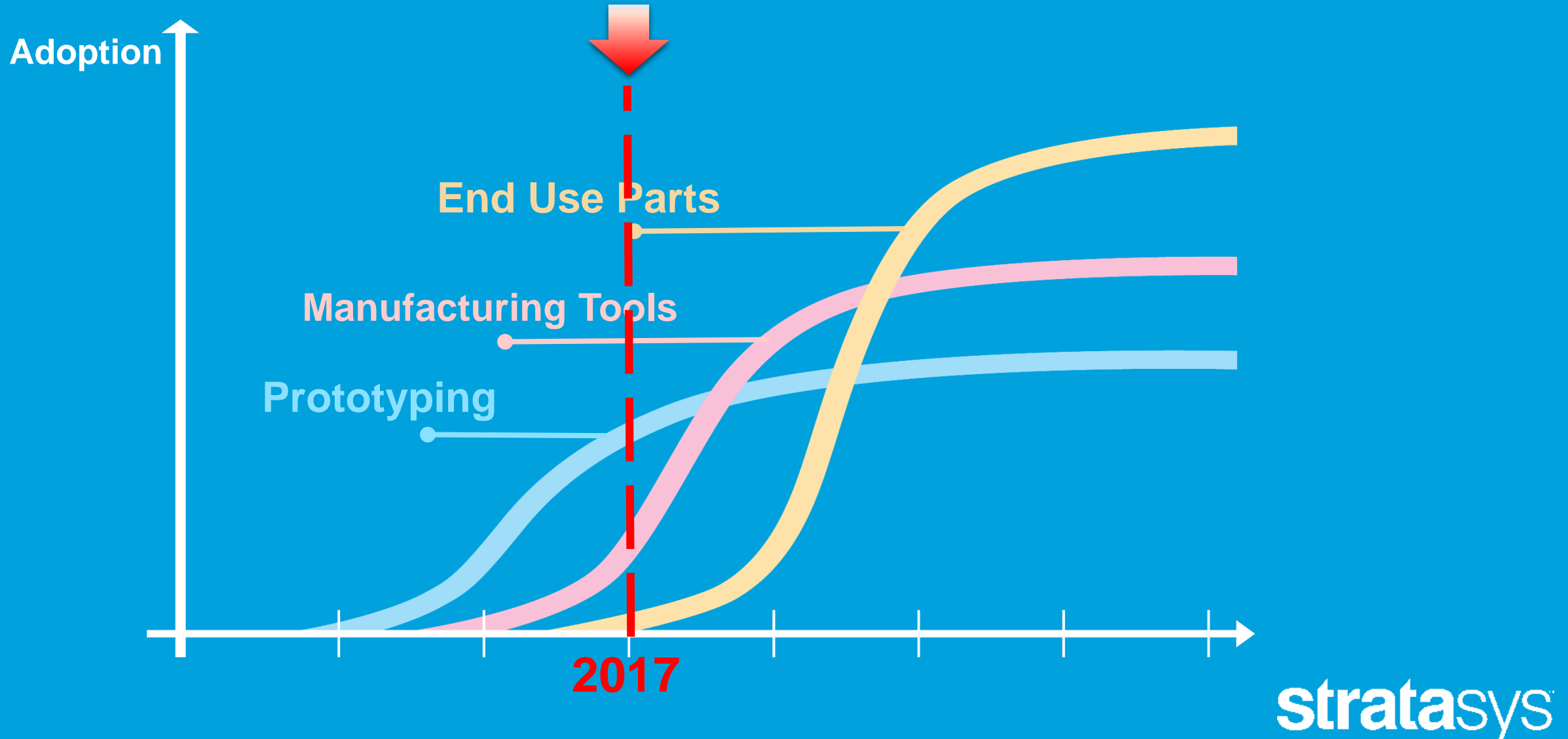
3D Printing

The Role of Additive Manufacturing
in the Industry 4.0 era

Fred Fischer

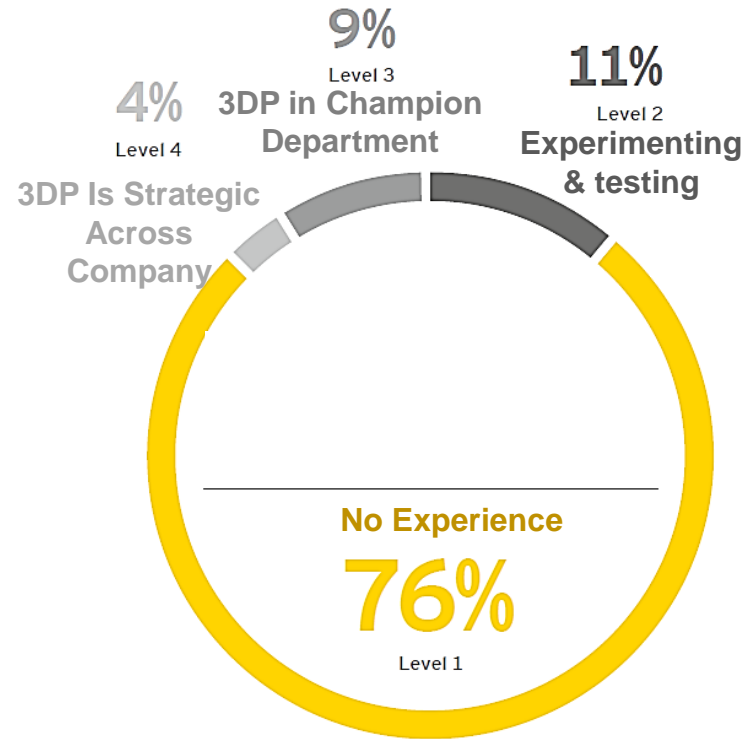
Director of Applications, Products, and Technology
Stratasys AP Ltd

The 3D Printing Market Today



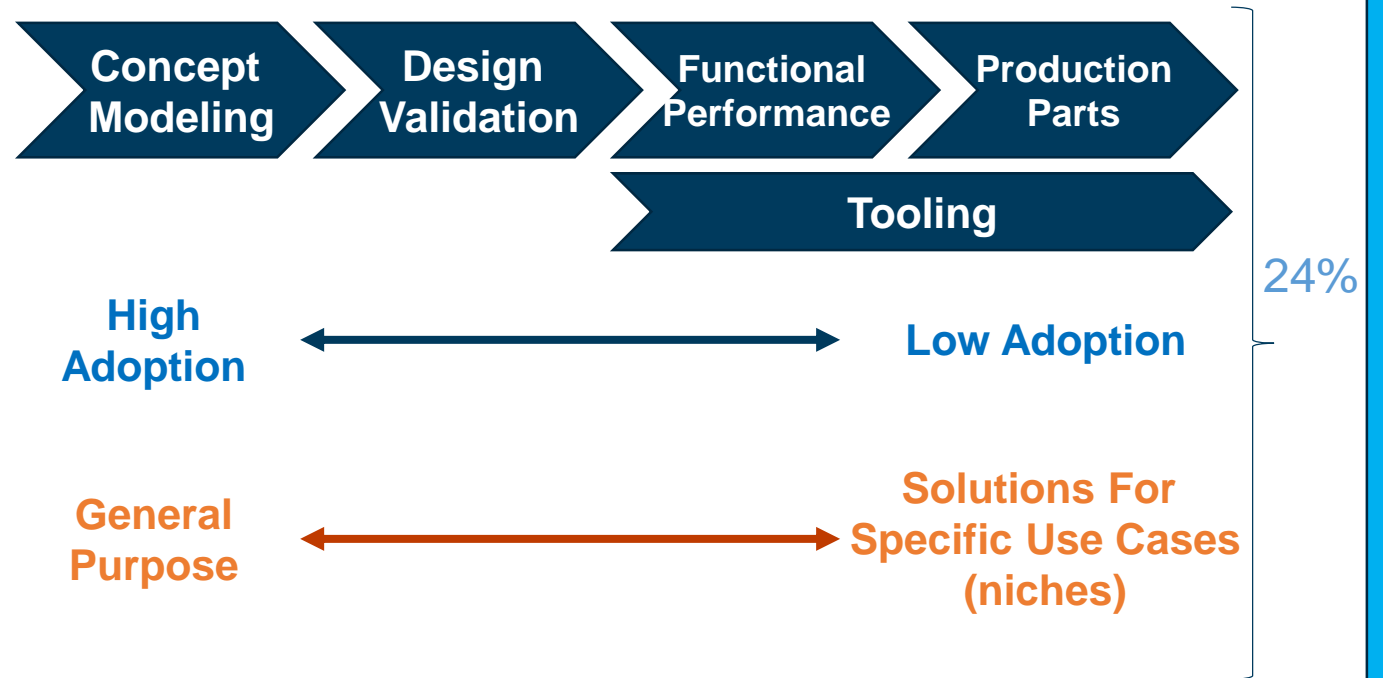
The 3D Printing Market Today – Still largely untapped

Global 3DP Maturity Level (%)*

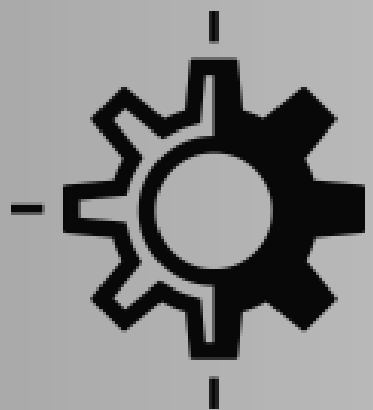


*N=900 companies, EY global 3DP study, April 2016

3DP Adoption – In the Development Process

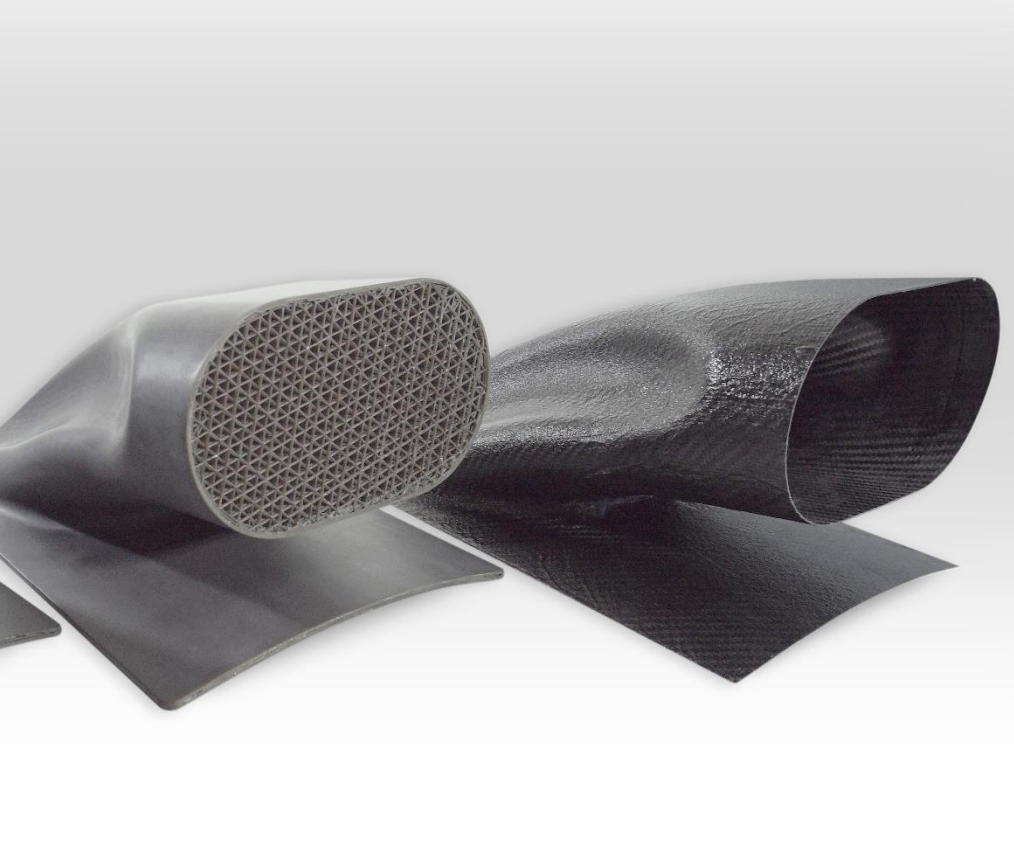


Source: Stratascys internal customer research study, 2015



THE PROTOTYPING MARKET

\$12B



3D PRINTED TOOLING APPLICATION ON THE RISE

10%

Manufacturers using 3D printing process by 2019, Gartner



**BARELY TOUCHING THE SURFACE
OF MANUFACTURING APPLICATION**

~\$12T

YESTERDAY

One size fits all



TODAY

Specialized solutions for business critical applications



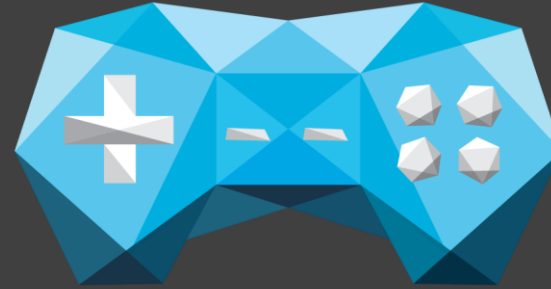
Specialized Solutions for Business Critical Applications



Aerospace



Automotive



Consumer
Product



Health Care

Shaping Manufacturing & Supply Chain in Aerospace

Stratasys established a strategic partnership specializing in additive manufacturing to accelerate the adoption of 3D printed production parts for commercial aviation.



Modernizing Manufacturing and Assembly Facility

Ricoh Japan reduces average tool production time from two weeks to one day by replacing metal tools with customized jigs and fixtures



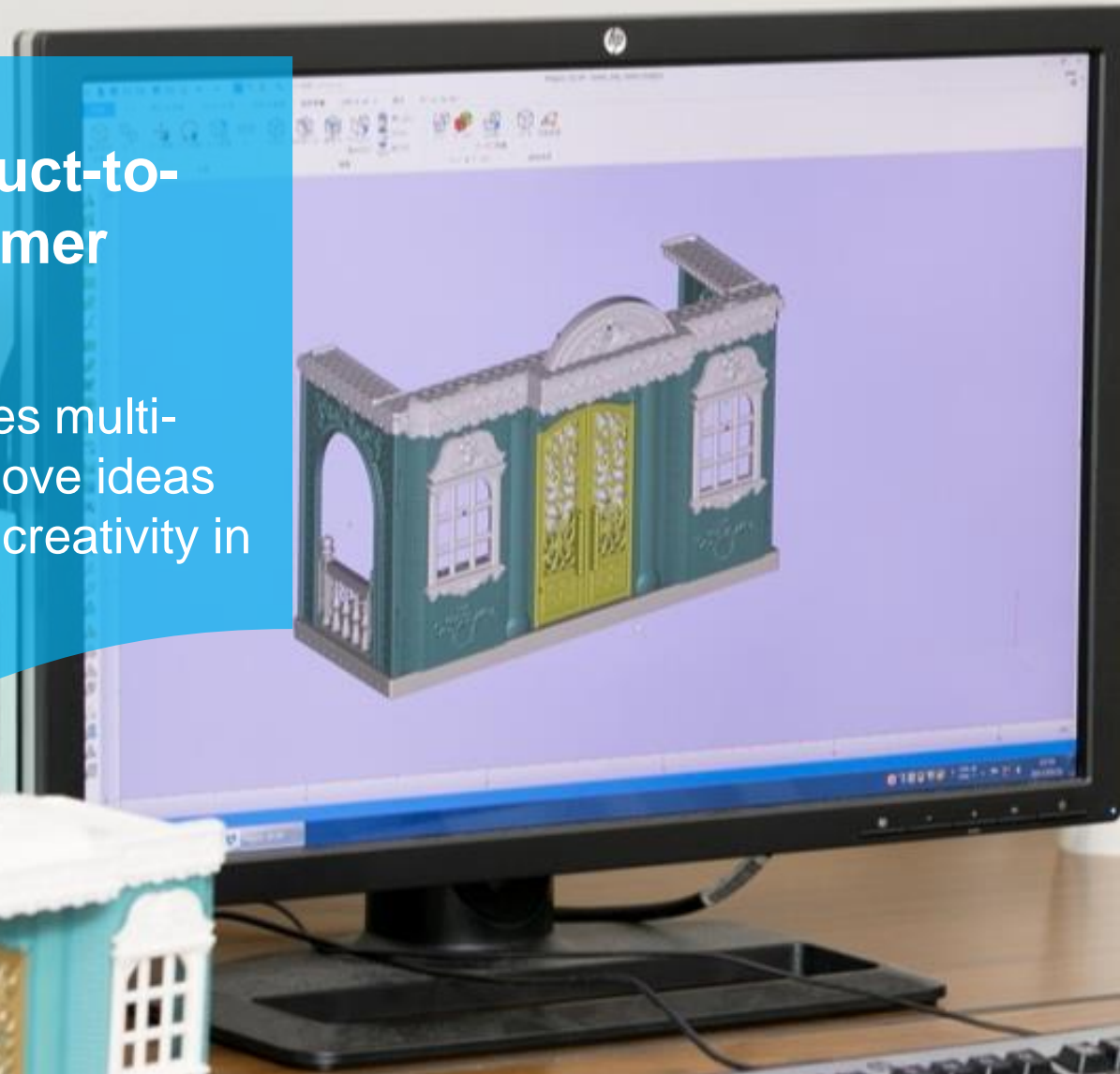
Enhancing Performance and Design Efficiency in Automotive

McLaren advances production by 3D printing manufacturing tooling and race-ready parts for the new McLaren MCL32 race car



Accelerates Product-to-market for Consumer Products

Japan Epoch prototypes multi-color play houses to move ideas ahead and encourage creativity in toy designs



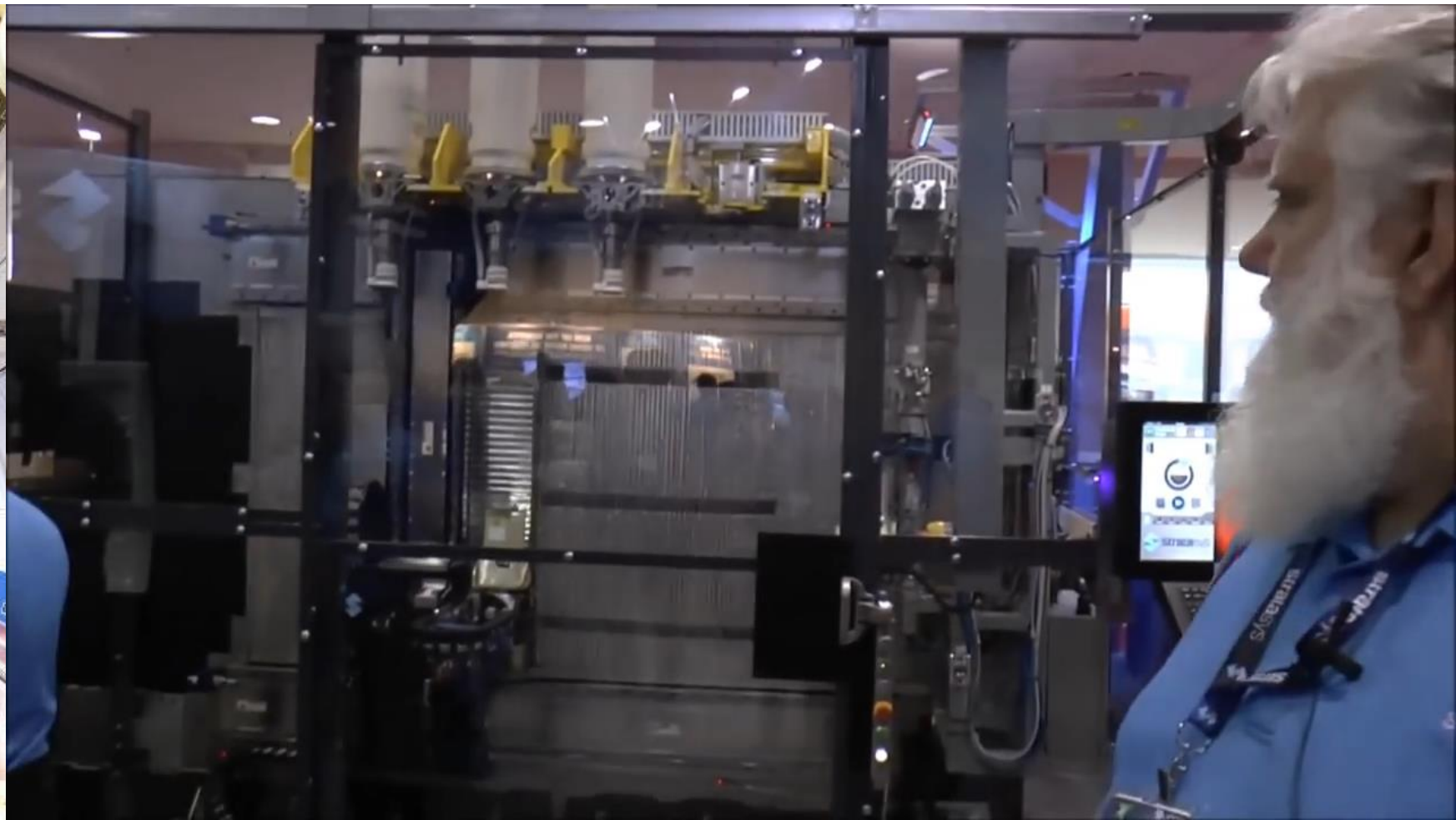
Shaping What's Next

stratasys[®]

Infinite-Build 3D Applications

- Accurate and repeatable production parts & tools
- Large prototypes, long layup tools, ducts and wiring structures

Source: Counterpoint Market Intelligence



Robotic Composite 3D Applications

- High strength, light weight composite geometries
- Composite structure, customized design, automated fabrication

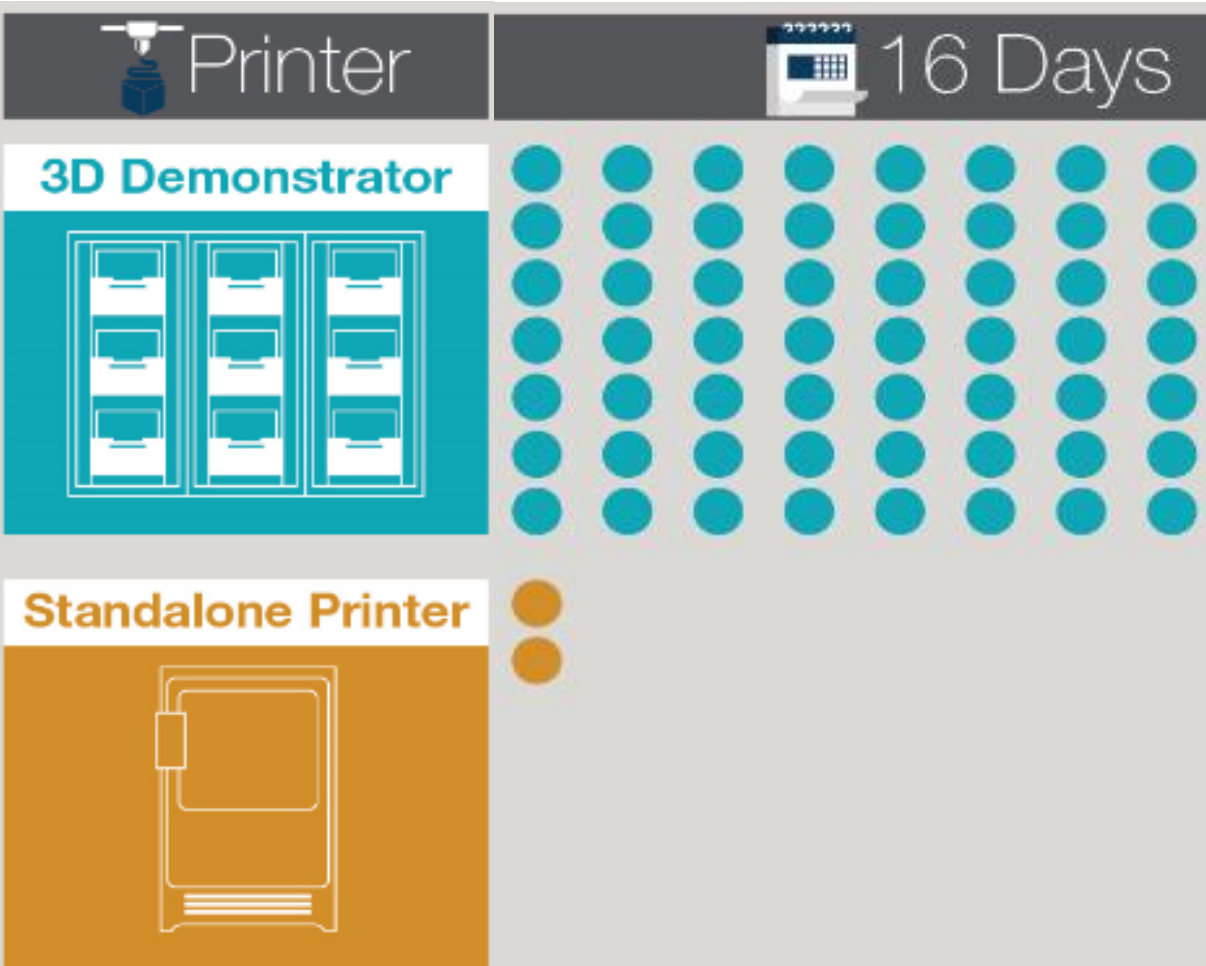
Source: Counterpoint Market Intelligence



Continuous Build 3D Application

- Unattended & continuous 3D printing, automated print job management
- High part throughput, scalable to over 5,000 parts per day

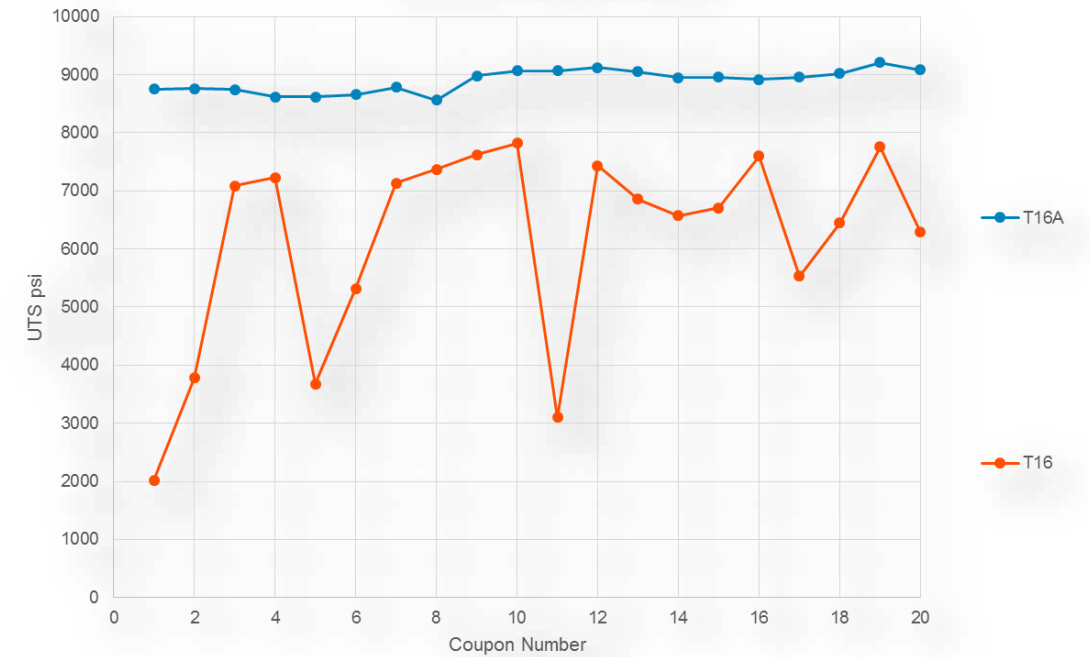
Source: Stratasys customer review



Fortus 900mc Aircraft Interior Certification Solution



Standard T16 and T16A Tip



VOXEL PRINT

- First of a new breed of collaborative academic solutions
- Control over material deposition and the printing sequence on a voxel level
- Infinite freedom to generate any composite Digital Material from PolyJet™ photopolymers



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Inspiring Innovation

Stratasys 3D Printing

28 Years of FDM expertise
19 Years of PolyJet expertise

Countless ideas enabled

stratasys®

The New Era of Applying Additive Solutions

We are committed for your journey

