

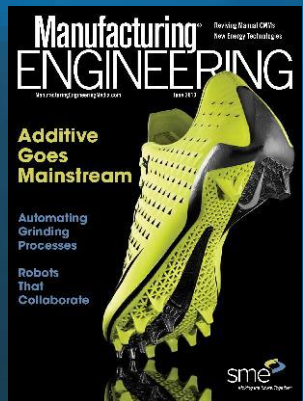
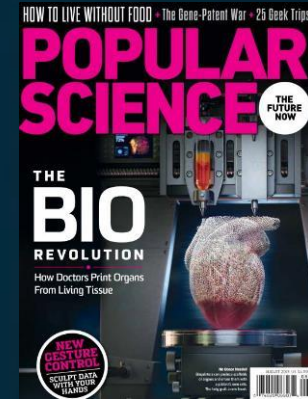
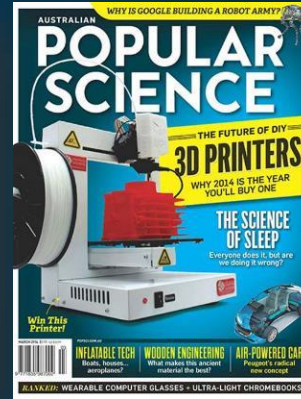
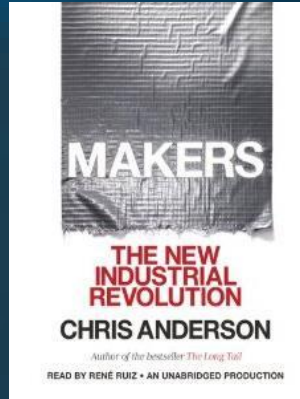


# 3D Printing: The Benefits of Additive Manufacturing, From Design to Production

PETER SECOR

June 8, 2016

# It's hard to ignore societies interest in 3D printing because...



**3D PRINTING IGNITES  
INNOVATION!**

# So what are 3D Printing technologies?

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3D printing processes are **automated systems** that take **2-dimensional layers** of computer data and rebuild them into **3D solid objects**





# Stratasys Overview

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

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**HEADQUARTERED** IN EDEN PRAIRIE, MINNESOTA AND REHOVOT, ISRAEL

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OVER **800** GRANTED OR PENDING ADDITIVE MANUFACTURING **PATENTS GLOBALLY**

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**151,149** CUMULATIVE SYSTEMS SOLD\*

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OVER **30** TECHNOLOGY AND LEADERSHIP AWARDS

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PUBLICALLY TRADED ON **NASDAQ (SSYS)**

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**\$696 Million** REVENUE (2015)

\*AS OF March 31, 2016



# Stratasys 3D Printing Integrated Solutions Offering



# 3D PRINTING **CHANGESTHEGAME**



1

# Design & Geometric Freedom





1

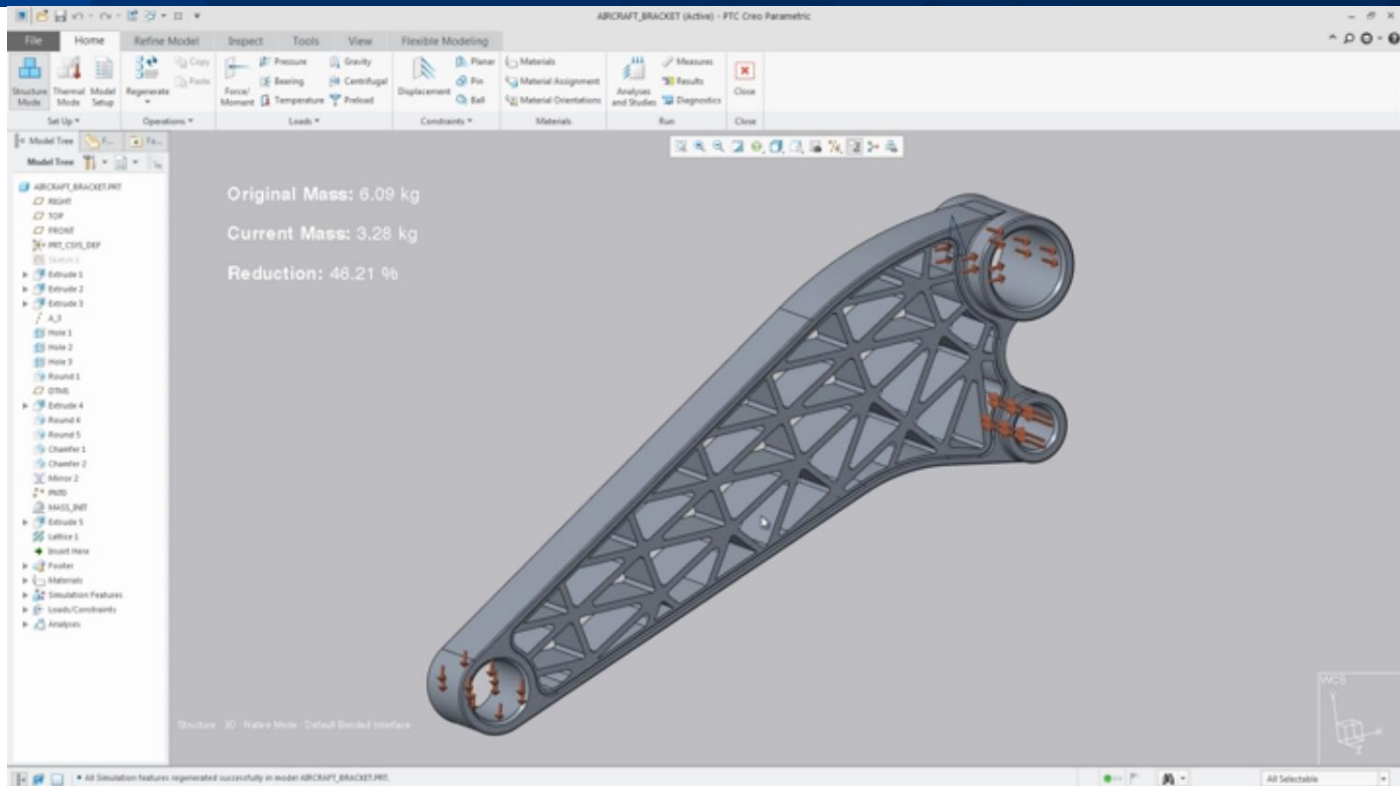
# Design & Geometric Freedom



1

# Design & Geometric Freedom

PTC®



2

## Increased Part Functionality



3

## Product Personalization

normal



4

## Cost Reduction & Improved Environmental Sustainability

**Bell**  
**Helicopter**  
A Textron Company



stratasys



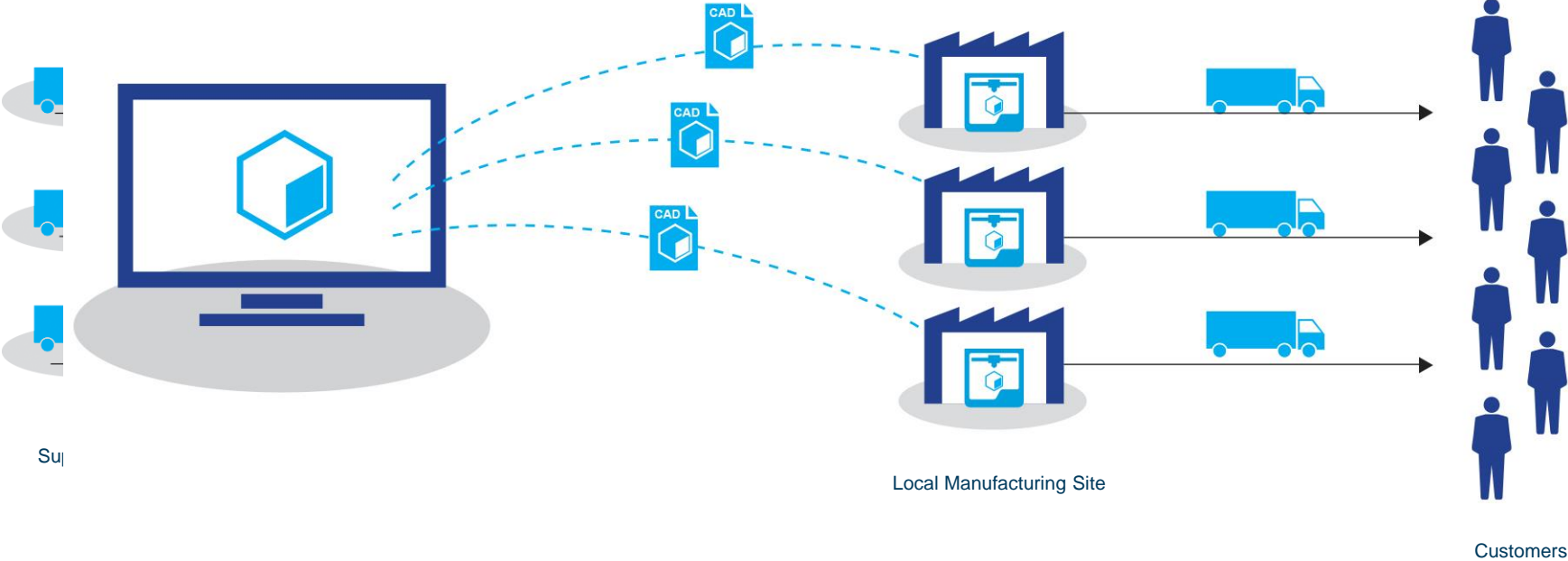
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## New Business Models & Supply Chains



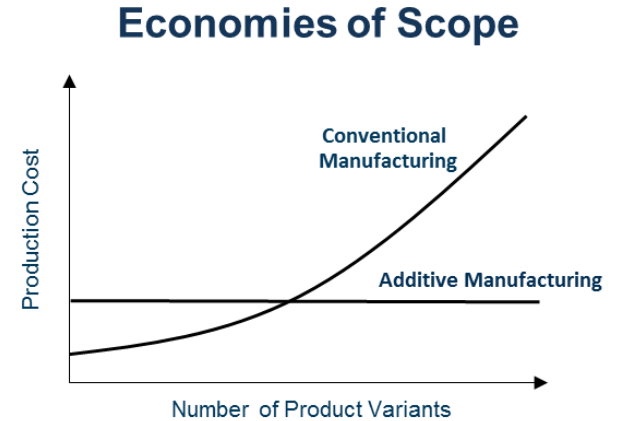
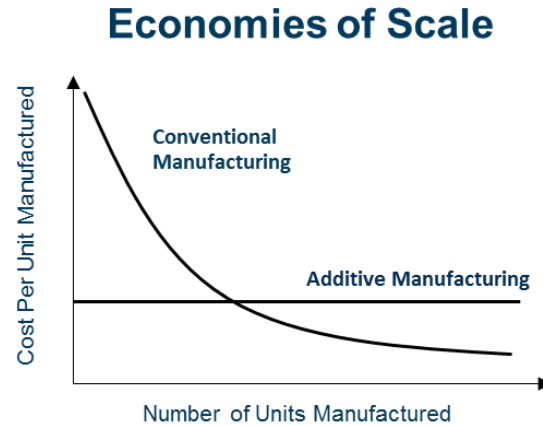
# 5

## Step 5: Digital Supply Transformation



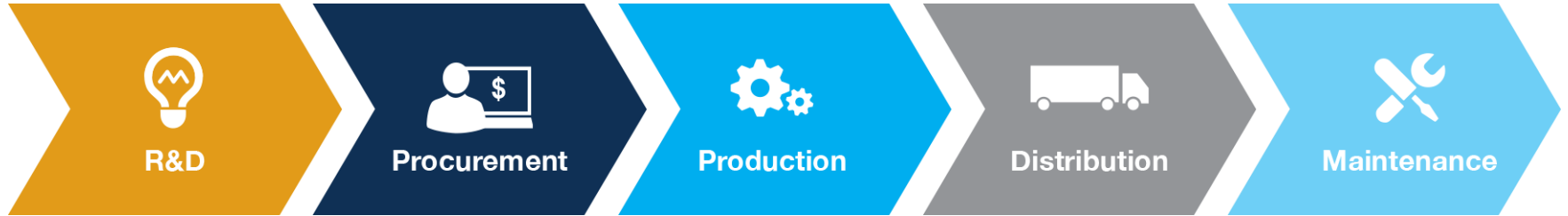
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## Changes in Economies of Production



# 3D PRINTING AT YOUR COMPANY

# 3D PRINTING CAN IMPACT EACH STAGE



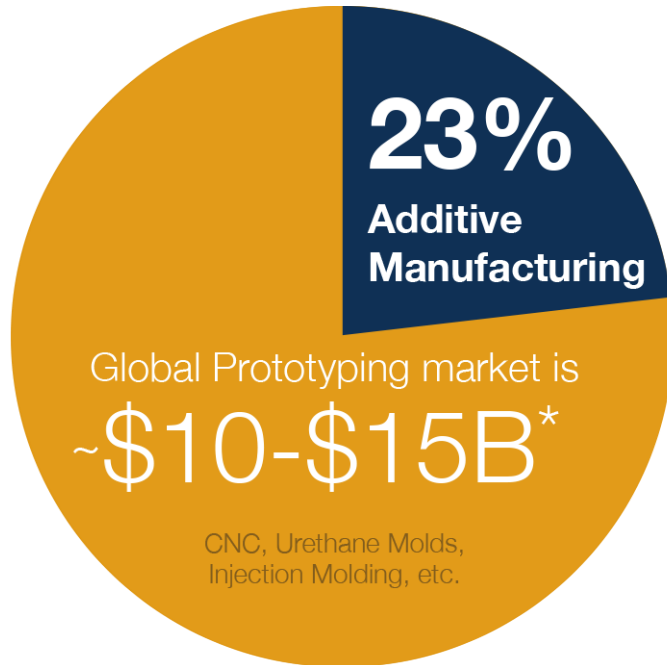




R&D

# DISRUPTING R&D PROCESS

Today Rapid Prototyping is the Dominant 3d Printing Application



## Long-term growth opportunities in key prototyping applications

Global Prototyping market is estimated at ~\$10-\$15B\*

- Additive Manufacturing technology today has ~23% penetration
- 77% of global prototyping market is CNC, Urethane Molds, Injection Molding, etc.

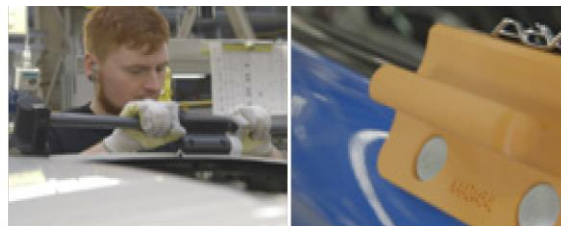
\*Based on Stratasys internal research –independent survey of 700 designers, engineers and executives conducted in August 2015



Production

# PRODUCTION

JIGS & FIXTURES



INJECTION MOLDS



ROBOTIC TOOLS



# OPEL Video





# THE FUTURE OF MANUFACTURING

# ADDITIVE MANUFACTURING GOING FORWARD

1. Digital factories connected in the cloud
2. Centralized design
3. Decentralized production
4. Optimize capacity utilization and delivery based on ship-to or component assembly point
5. Seamless connection between customer/suppliers
6. Flexibility to deploy new digital factories to precisely meet customer, product, or supply chain demands





THANK YOU

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DIRECTOR STRATEGIC ALLIANCES

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**stratasys**