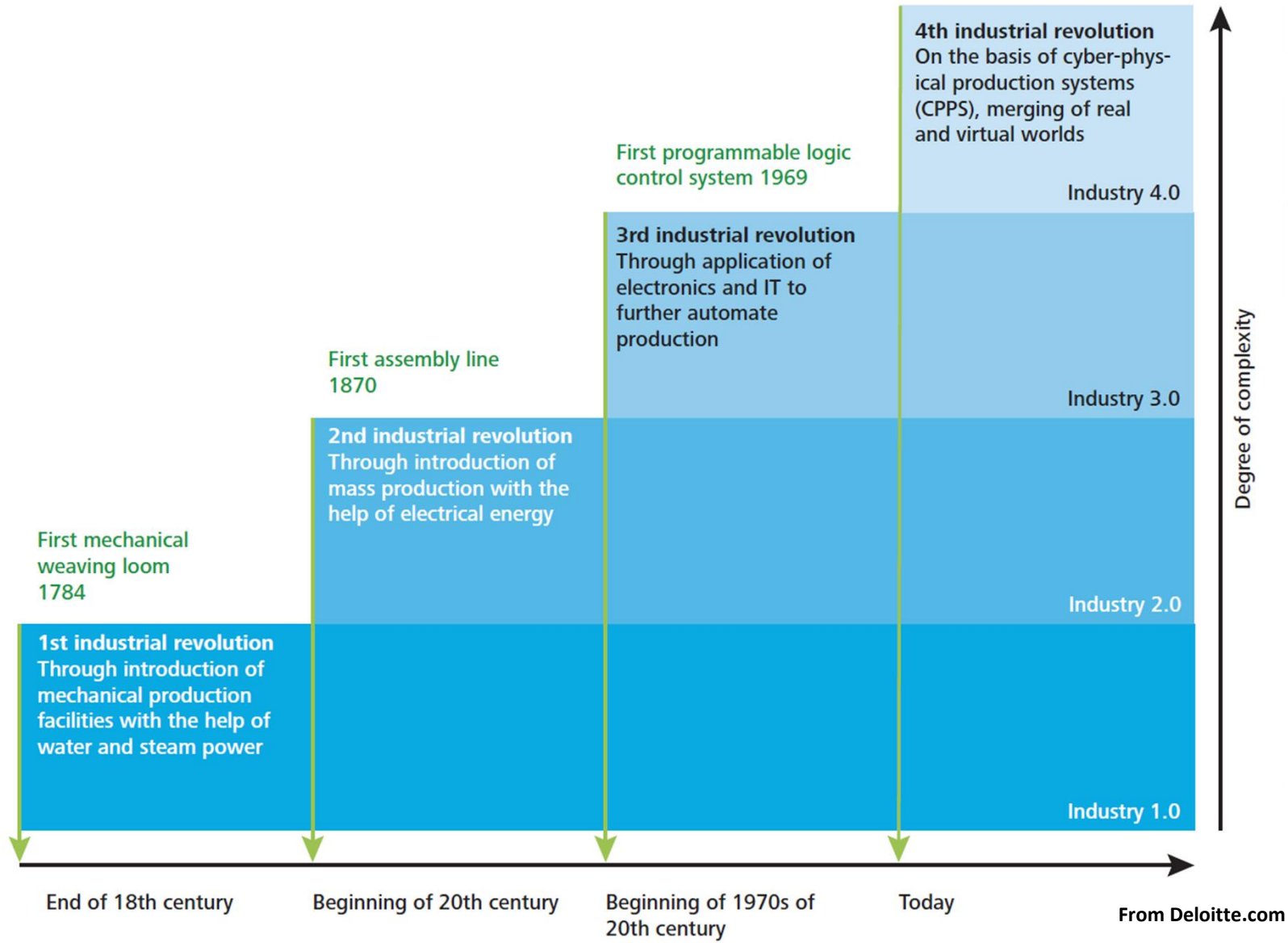


Industry 4.0
The Future Revolution of
Productivity and Competitiveness
With 3D Printing



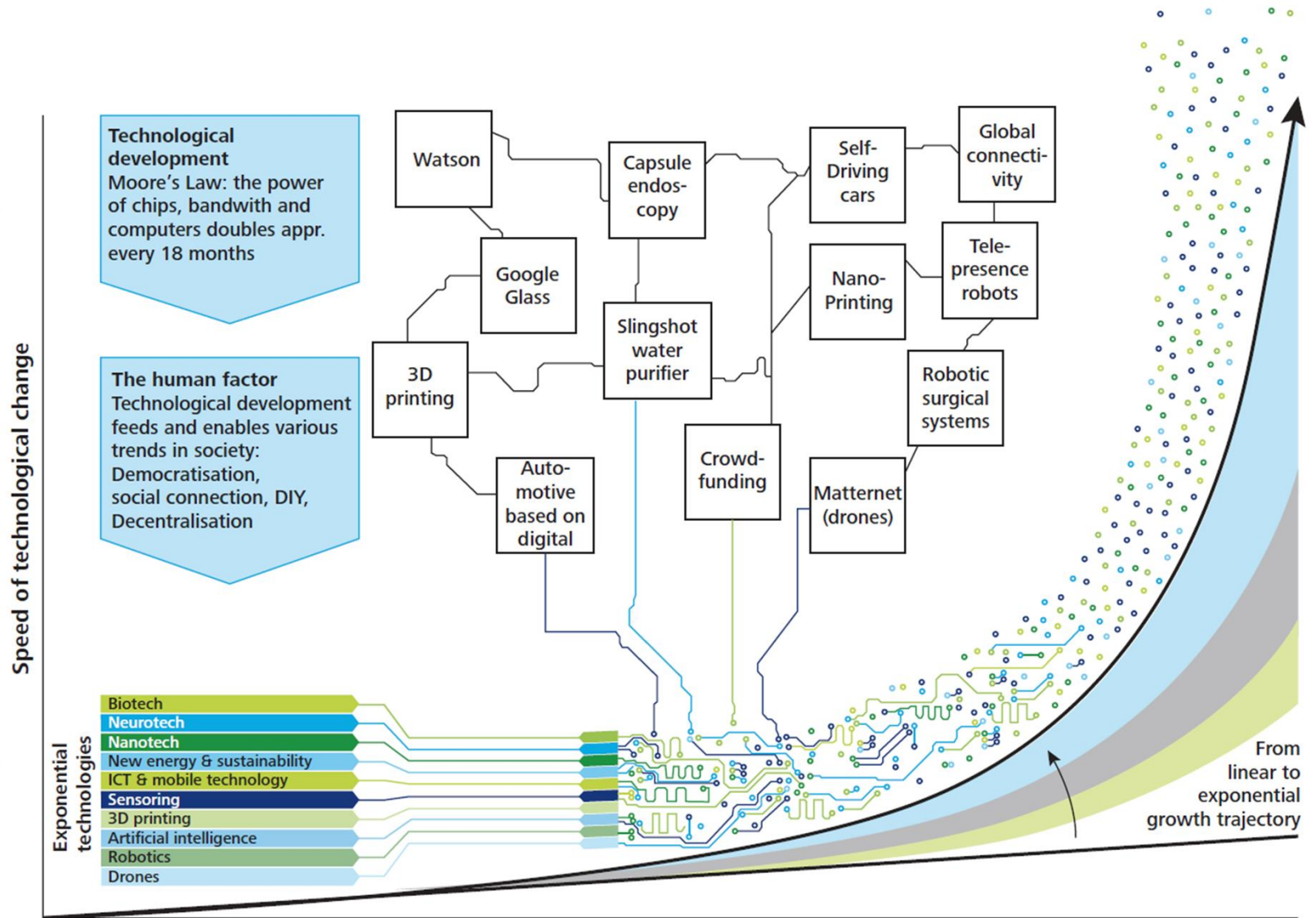
Definition of Industry 4.0

— AppliCAD —



Exponential Technologies

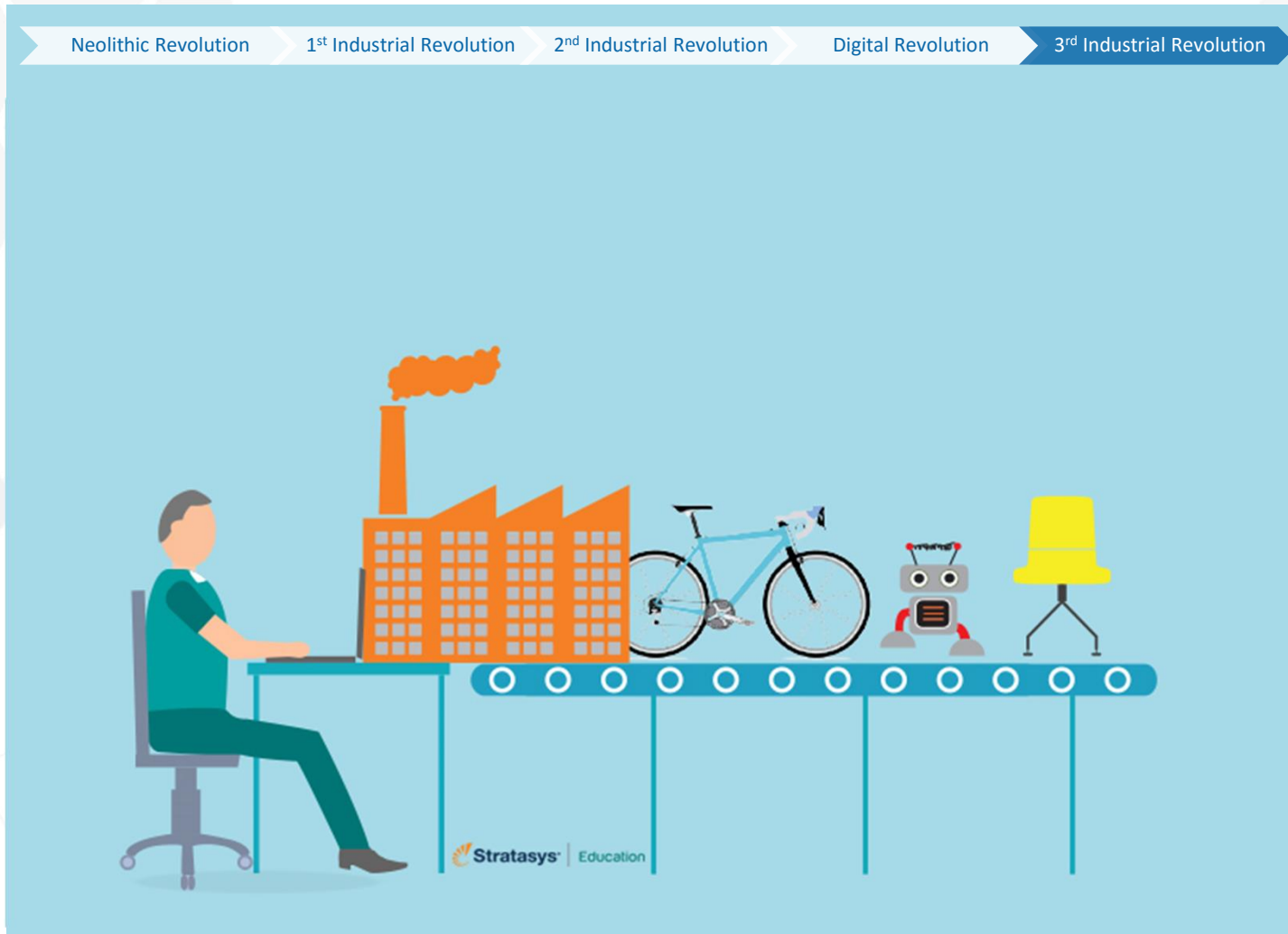
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From Deloitte.com

NEXT INDUSTRIAL REVOLUTION

— AppliCAD —



THE FACTORY OF TOMORROW

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What's 3D Printing?

“Revolutionizing the Way Things Are Made”

— AppliCAD —

Additive manufacturing could reduce energy use by **50 percent** and reduces material costs by up to **90 percent** compared to traditional manufacturing.

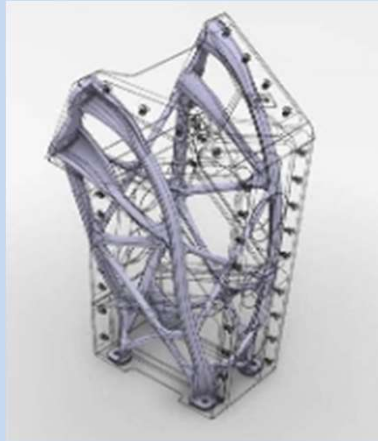
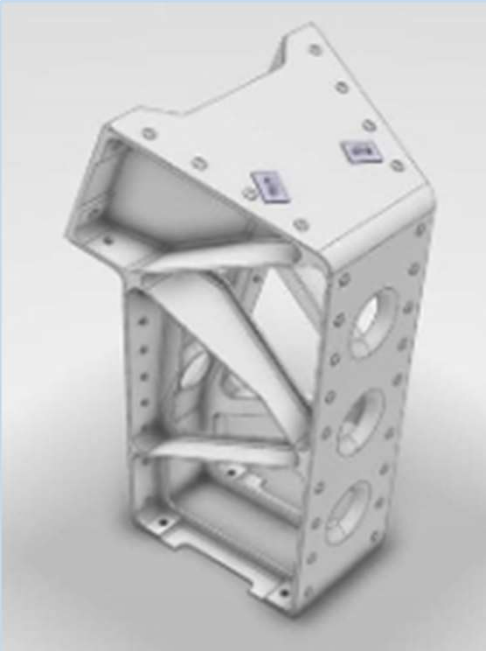


Could 3D Printing Change the World?
Technologies, Potential, and Implications of Additive Manufacturing



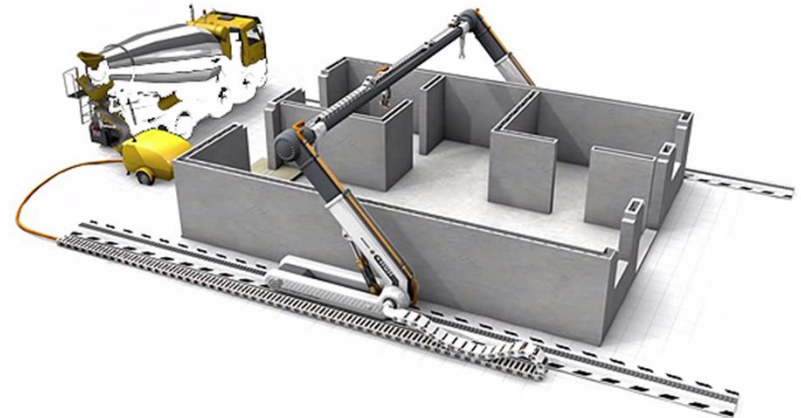
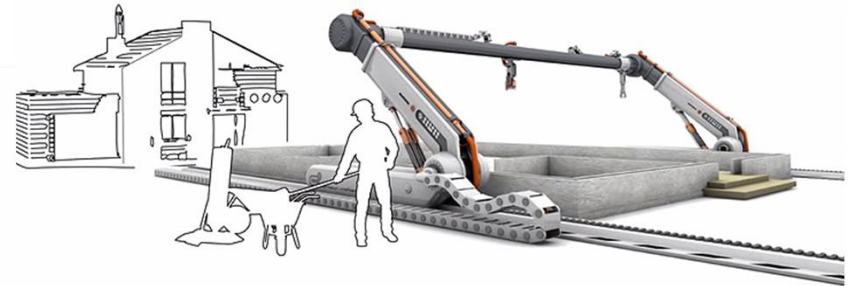
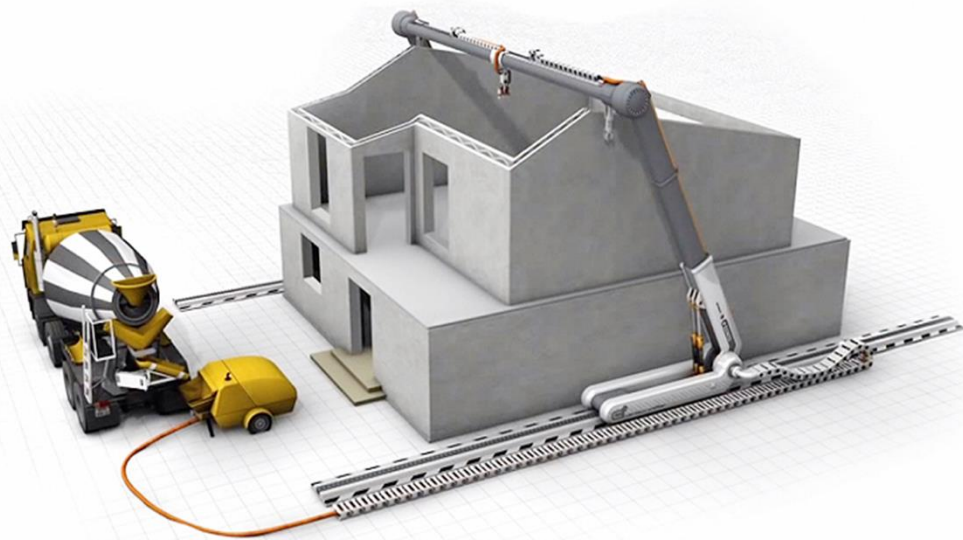
AIRBUS 3D PRINTED COMPONENTS

— AppliCAD —



Huge 3D Printer Can Print

— AppliCAD —



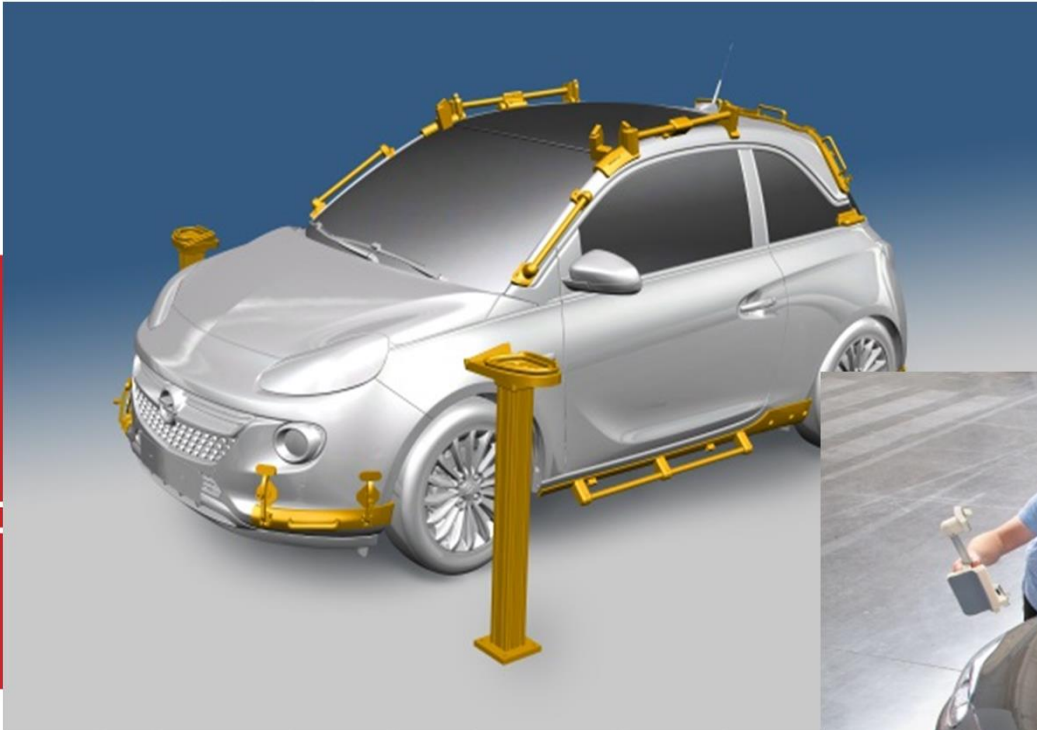
3D PRINTED CAR

— AppliCAD —



3D PRINTING IN PRODUCTION

— AppliCAD —

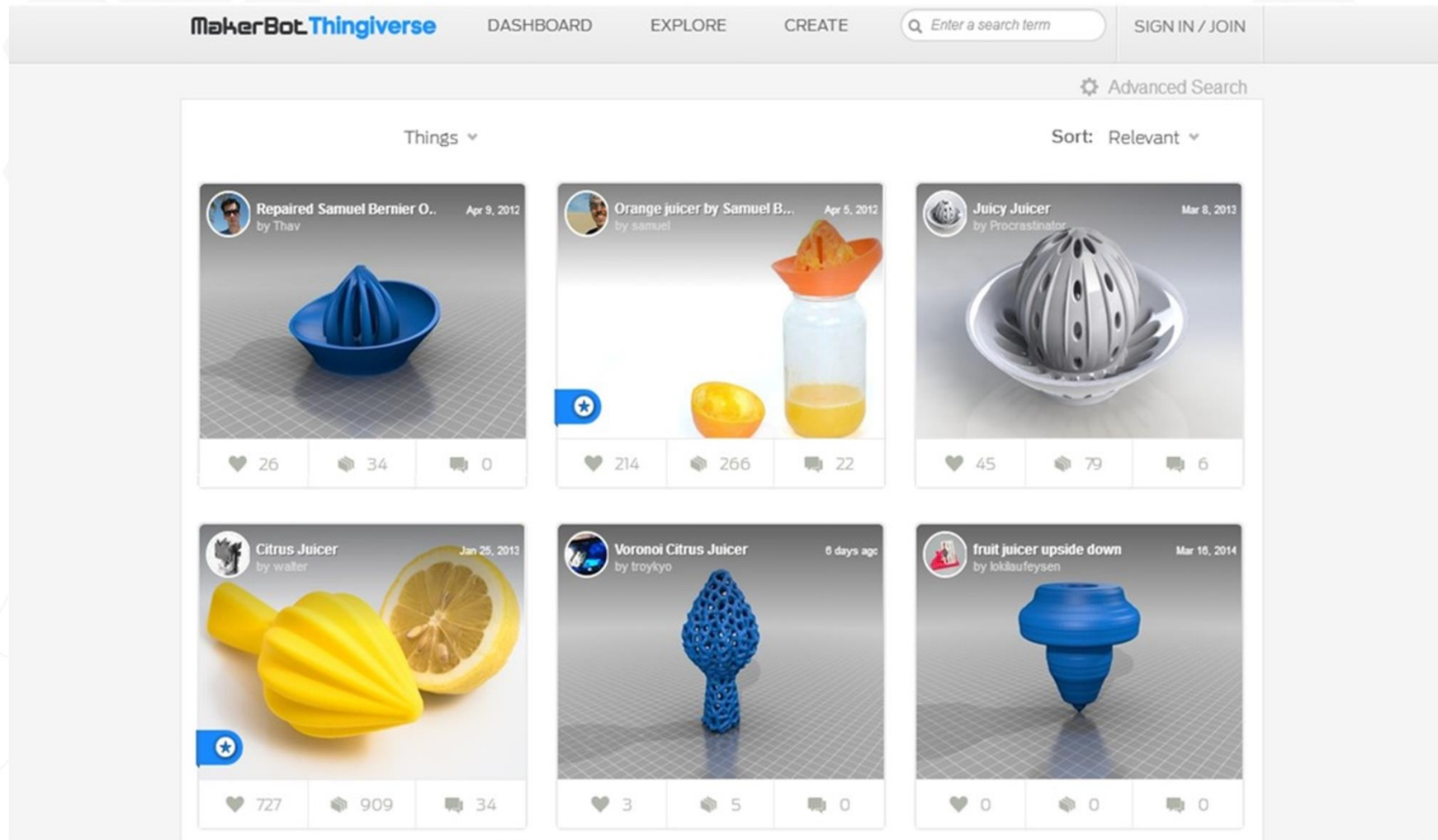


Opel uses 40 assembly tools from 3D printer

www.applcadthai.com

PERSONAL FABRICATION

— AppliCAD —



3D PRINTING MARKETPLACE AND SERVICE

Ideas made real with 3D printing.

— AppliCAD —

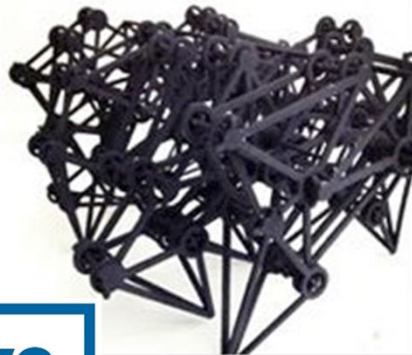
Fashion & Jewelry



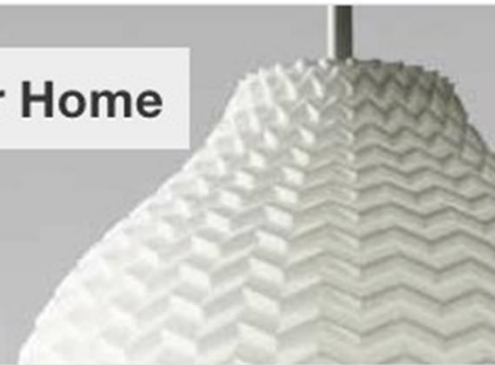
Gadgets



Art



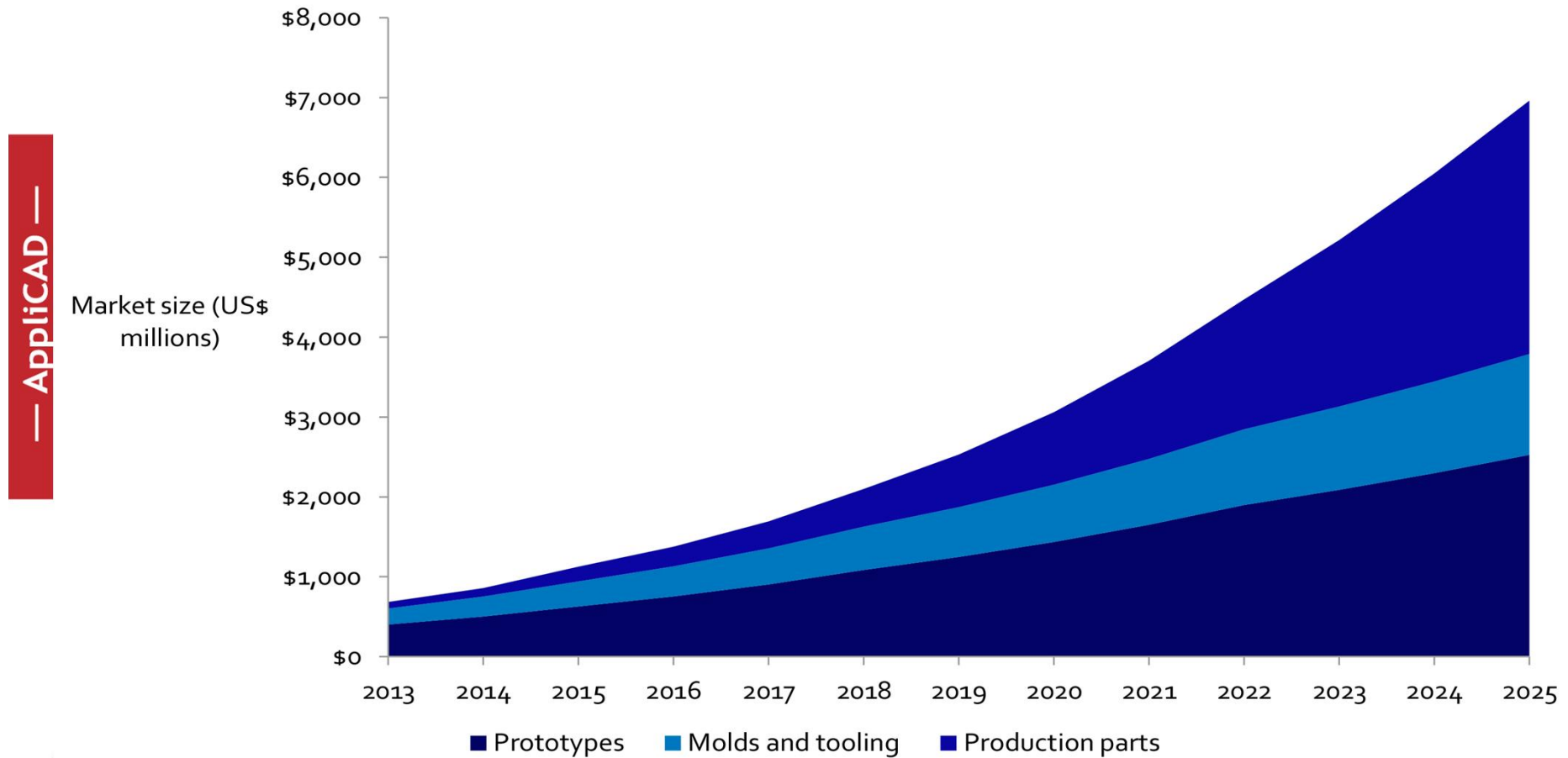
For Your Home



shapeways



Market Trend for next 10 years



— AppliCAD —

3D PRINTING

REVOLUTIONISING

the

CLASSROOM

Biology students can study cross-sections of hearts or other organs.



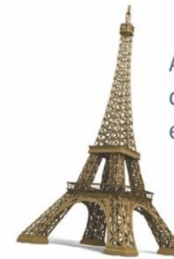
3D Printers have actually been around for about 25 years. Barriers like costs are breaking down, so they are now very affordable and easy to use.

3D Printing has caught the attention of educators who are looking into ways to incorporate it into the classroom.



Design and Engineering students can make prototypes of their creations.

Chemistry students can print out complex molecules to study.



Architectural students can print new or existing designs.

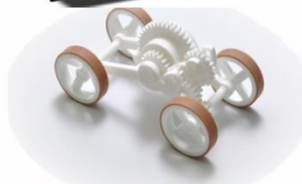
Engineering students can print modified car or robot parts.



History classes can print artifacts for closer examination



Geography students can print out topography, population or demographics of an area.



Graphic design students can create prototypes of product designs



Food Technology students can design molds and cookie cutter templates



A Solution for Every Product Stage

— AppliCAD —



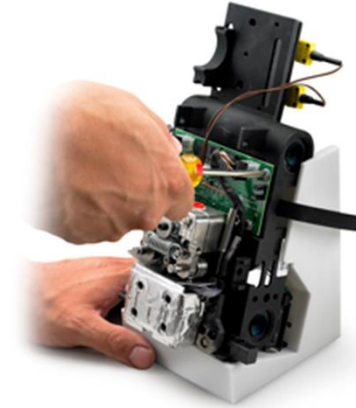
The Idea Series

It's not just a 3D printer.
It's an idea engine.



The Design Series

The power of prototyping.
Maximized.



The Production Series

Production.
Without the line.



Transform Design and Manufacturing

— AppliCAD —



A World of Material Possibilities

APPLICAD



Photopolymers

Widest Variety of Materials

- Rigid to rubber-like
- Opaque to transparent
- Simulated Polypropylene
- Digital ABS™

Realistic

- Smooth surfaces
- Thin layers

Specialty Applications

- Medical/Bio-compatible
- Hearing aids
- Dental
- High tear resistance
- Overmolding

Colors

- Cyan, magenta, yellow, white, black and clear bases
- Hundreds of hues
- Transparent color



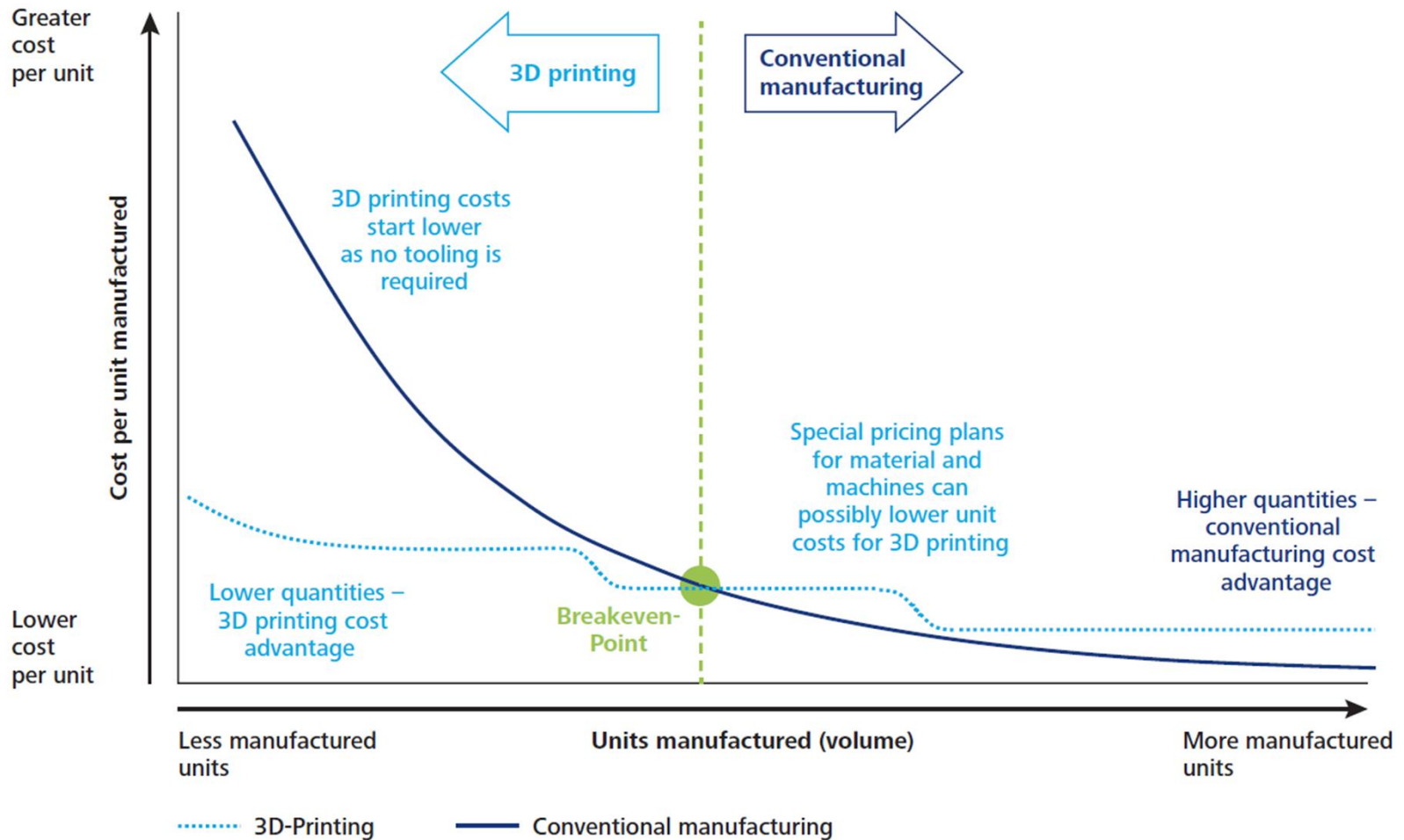
From Prototype to Tooling & Real part

— AppliCAD —



3D PRINTING BREAK-EVEN

Break-even analysis of conventional manufacturing and 3D printing

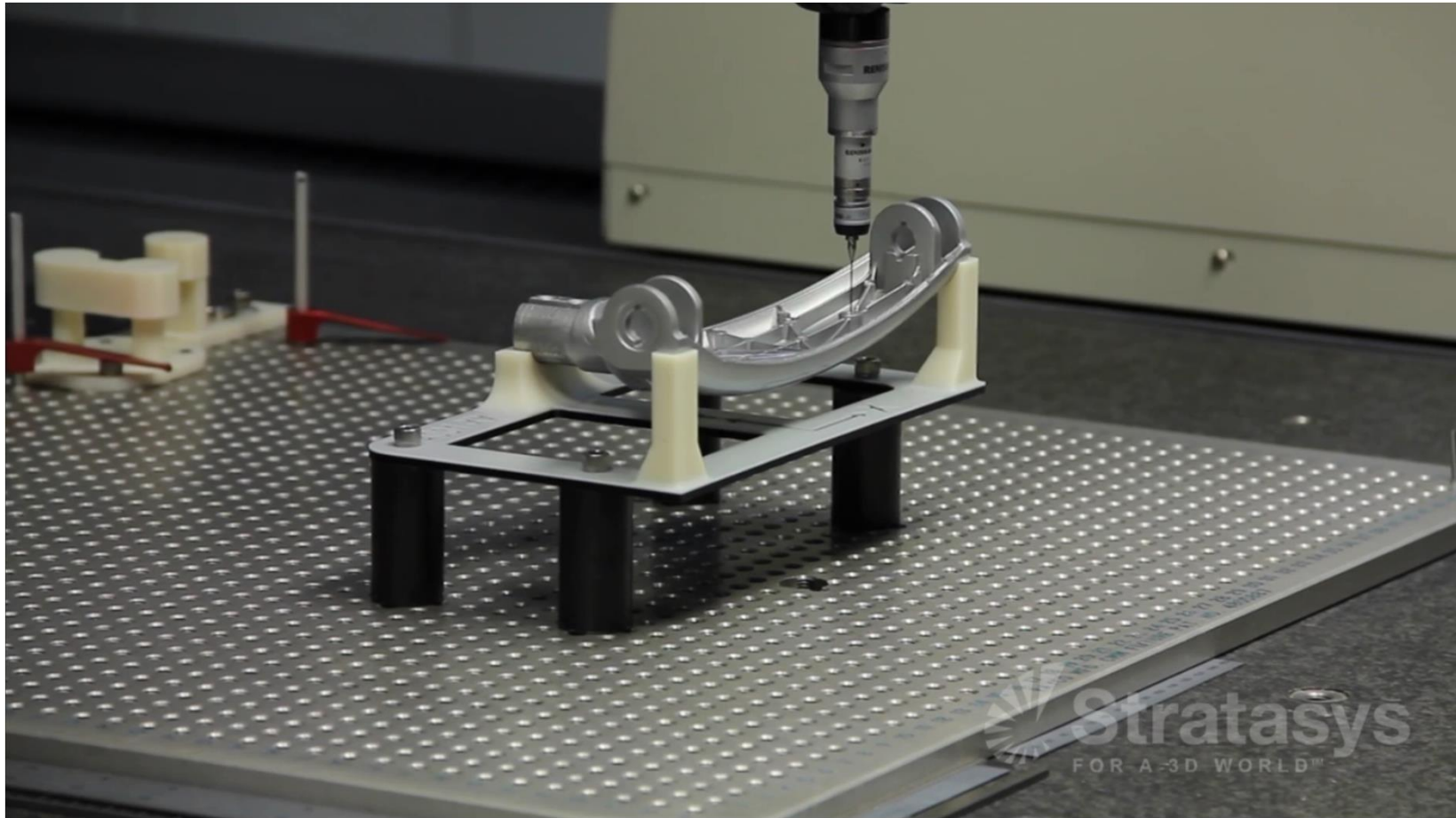


— AppliCAD —

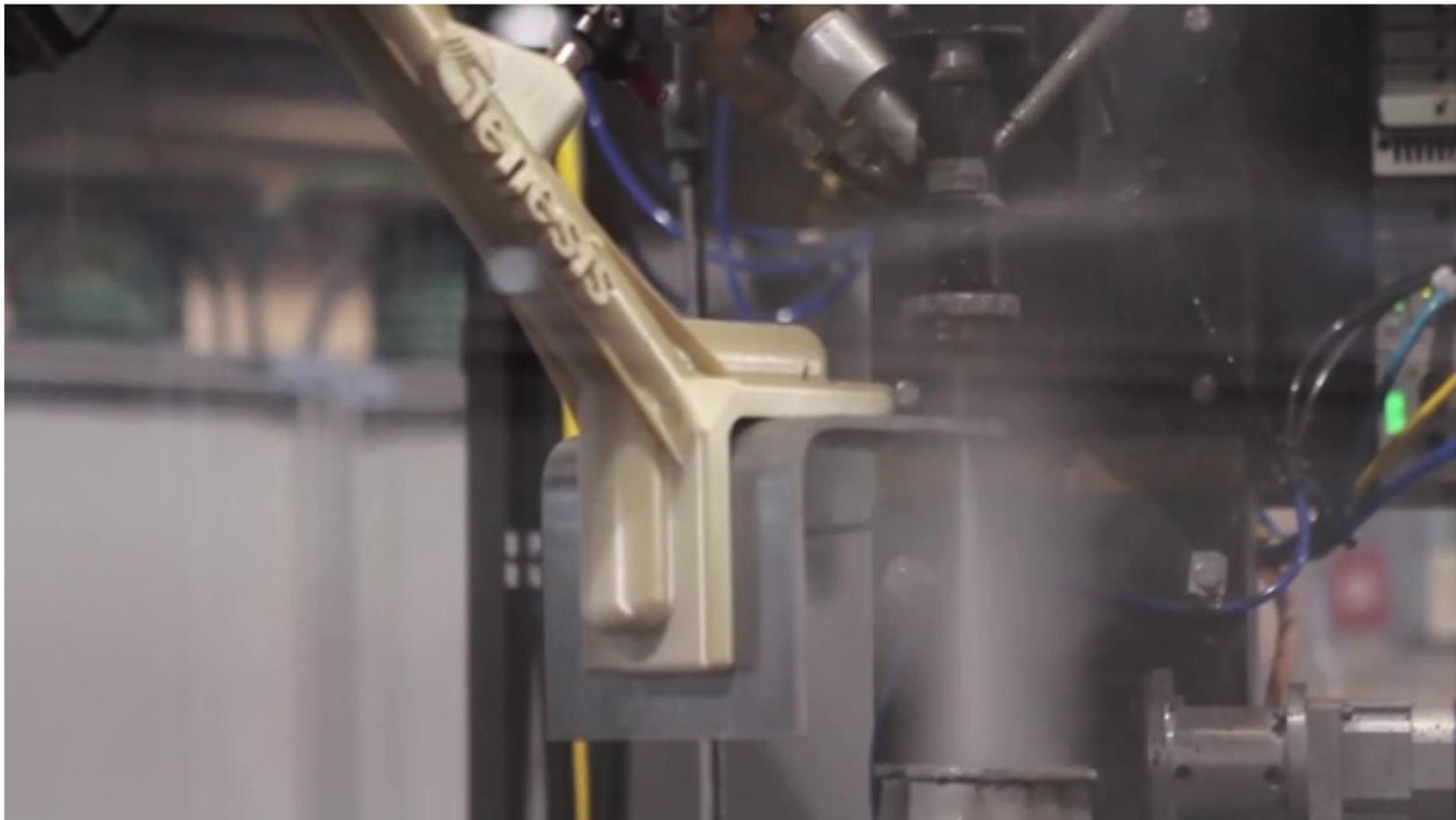
Injection Molding



FDM Jig & Fixtures



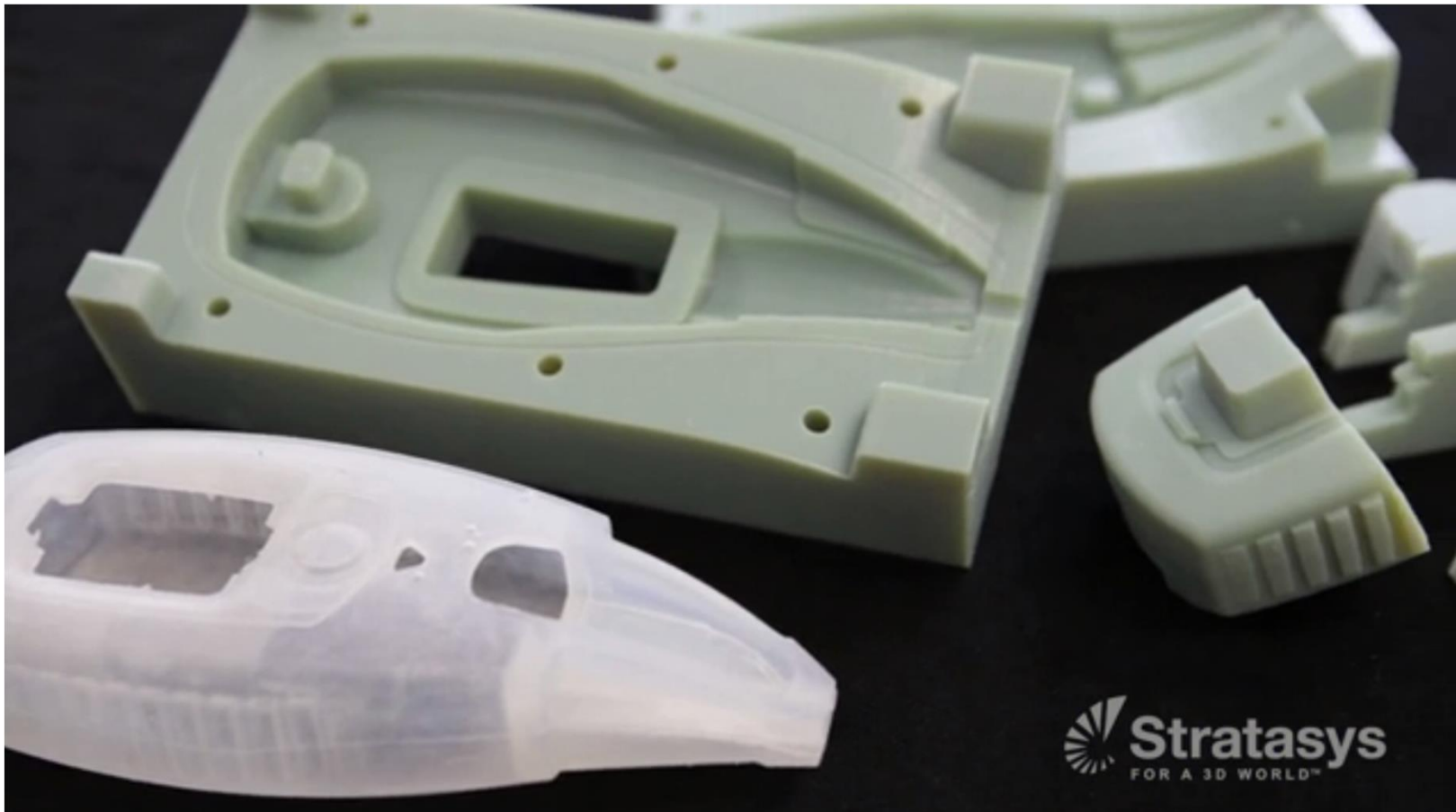
End of Arm Tooling



PolyJet Jigs and Fixtures



Liquid Silicone Rubber Molding



How strong is it ?



— AppliCAD —



“Code of Success”



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