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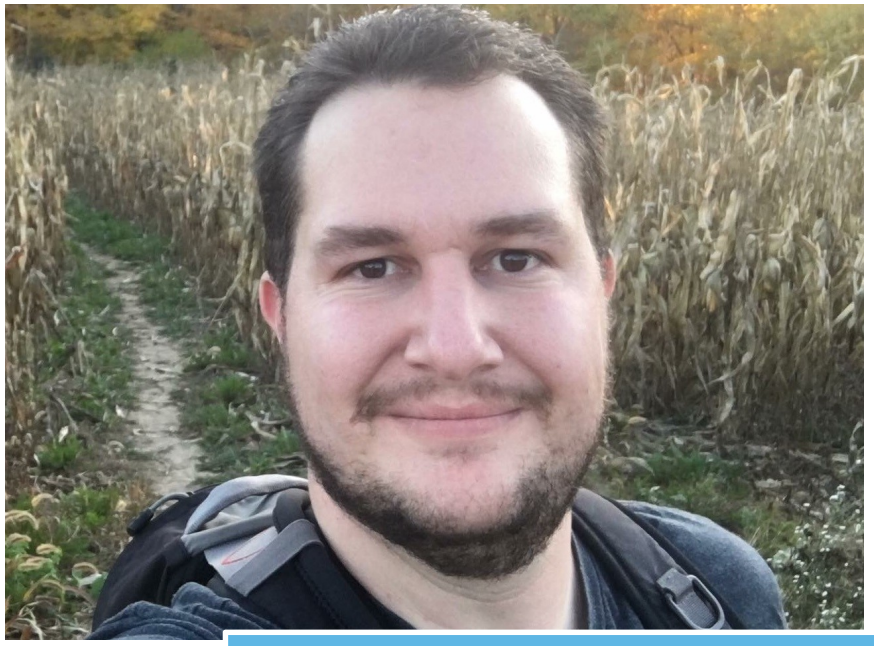
Design to Manufacturing with SOLIDWORKS

WHO AM I?



Austen Popejoy - GSC
CAM Applications Engineer
Certified SolidWorks Expert

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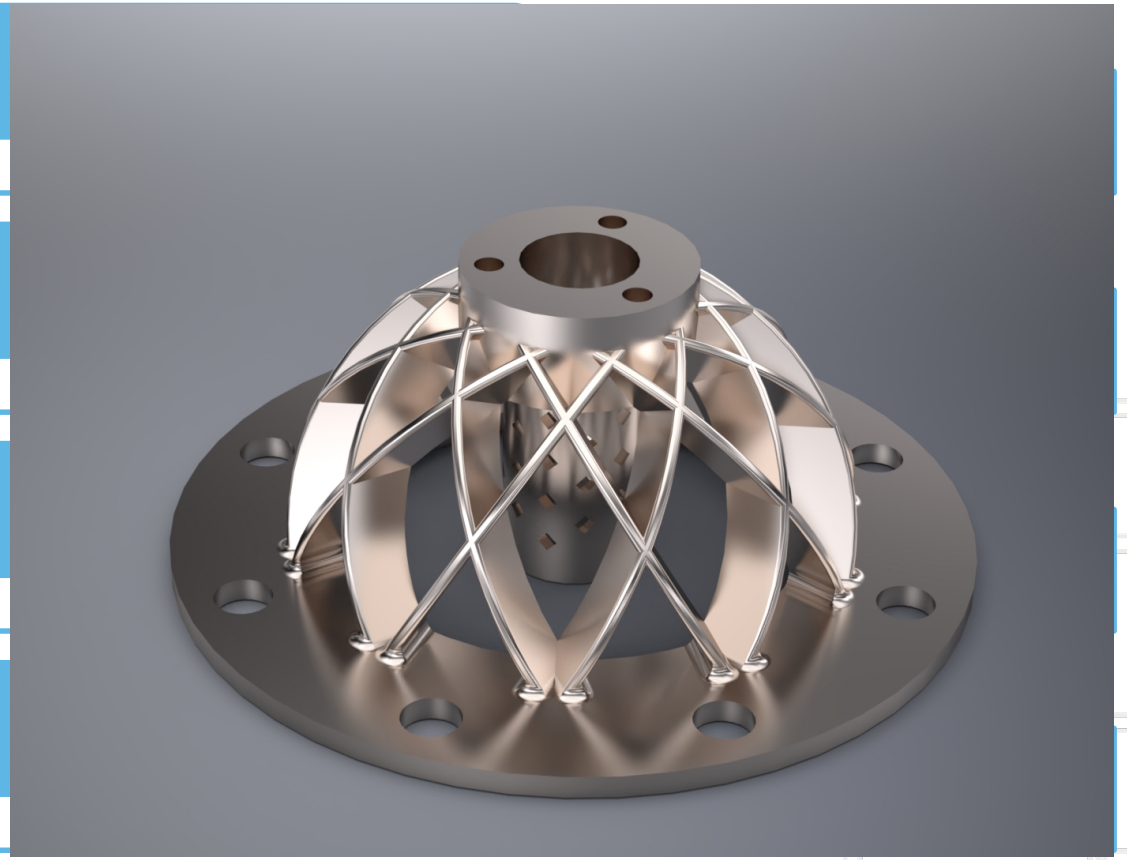
AGENDA

- Workflow Comparisons
- Simulation in Design
- SolidWorks CAM
- Finishing Touches



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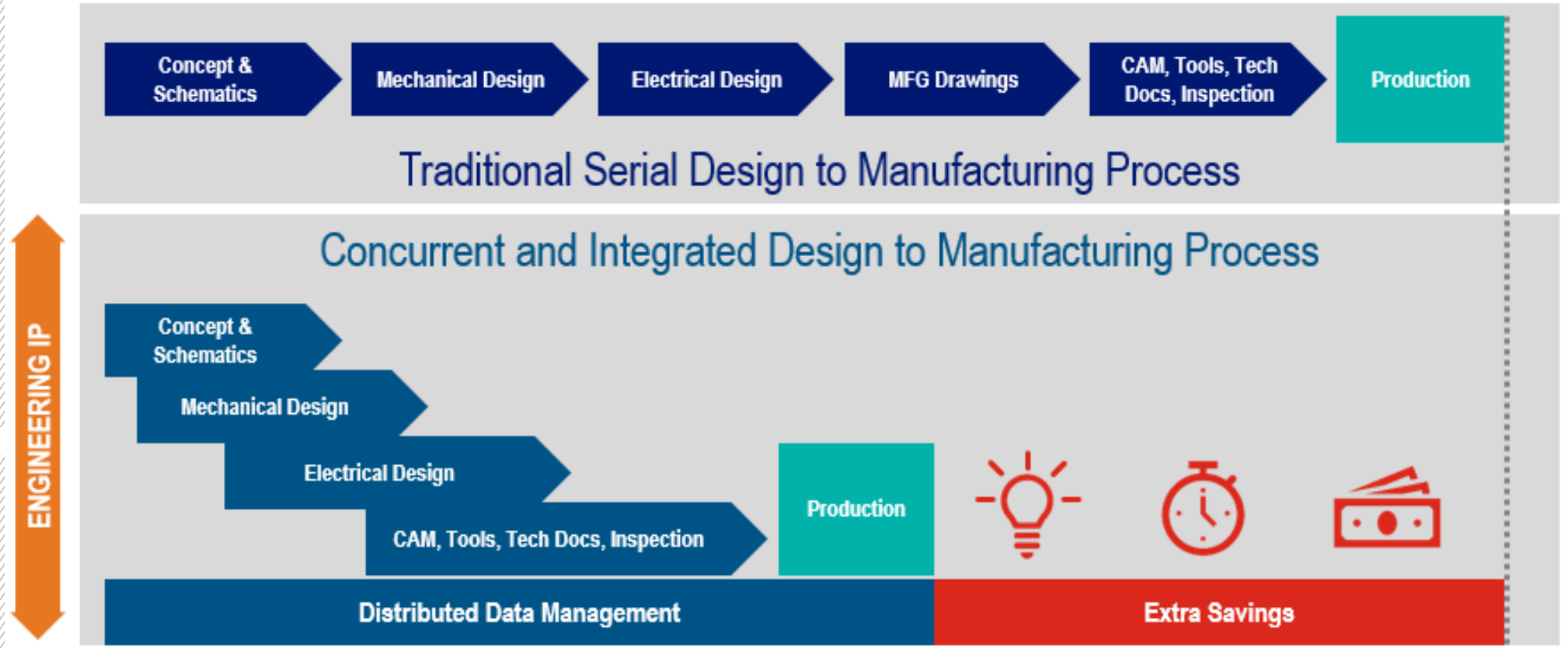
TRADITIONAL WORKFLOW VS. MODERN



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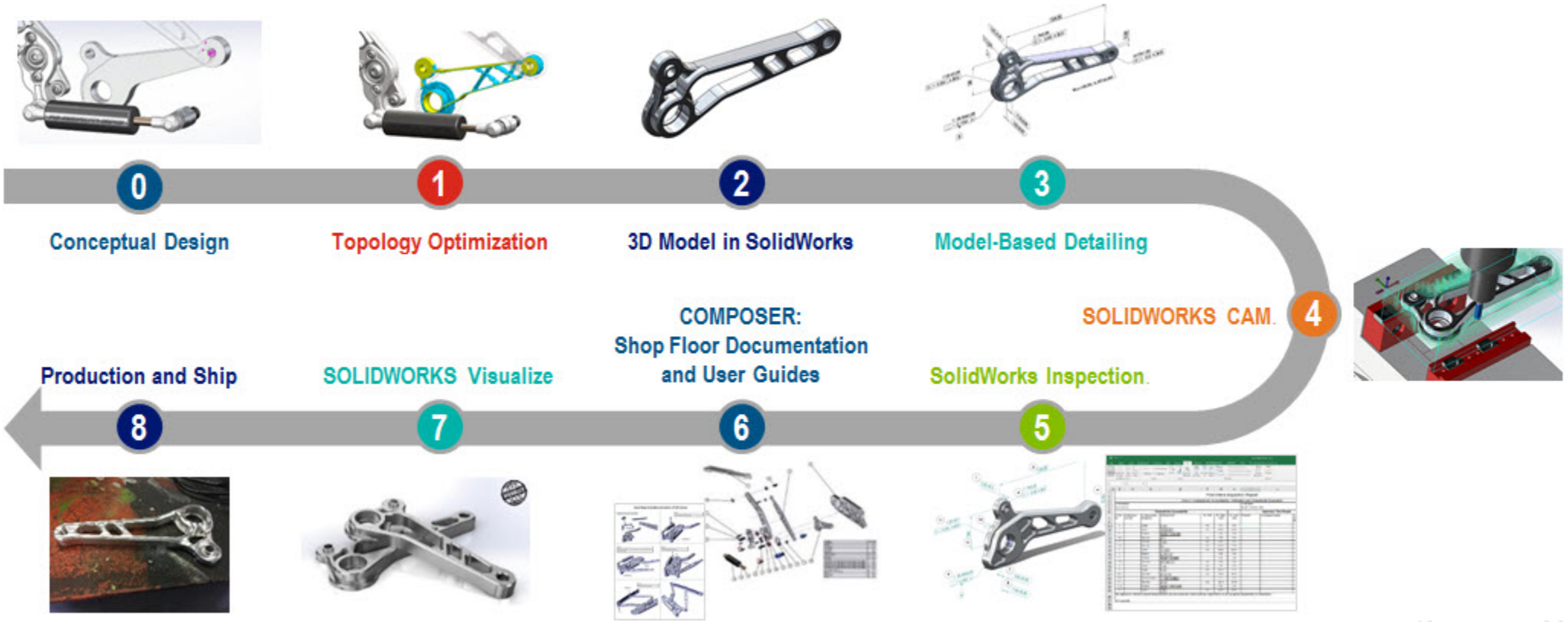
SOLIDWORKS- FROM START TO FINISH



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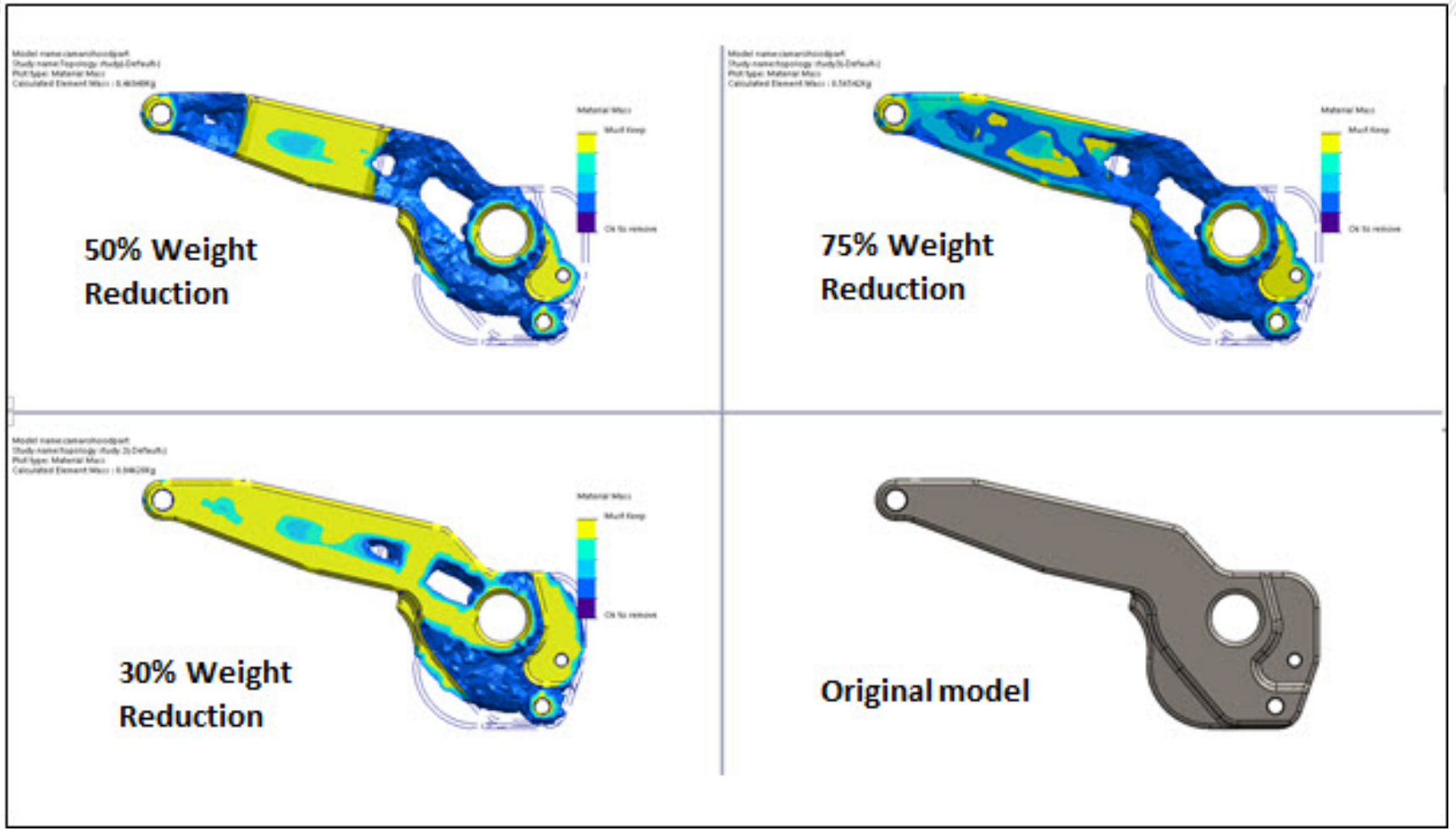
TOPOLOGY OPTIMIZATION



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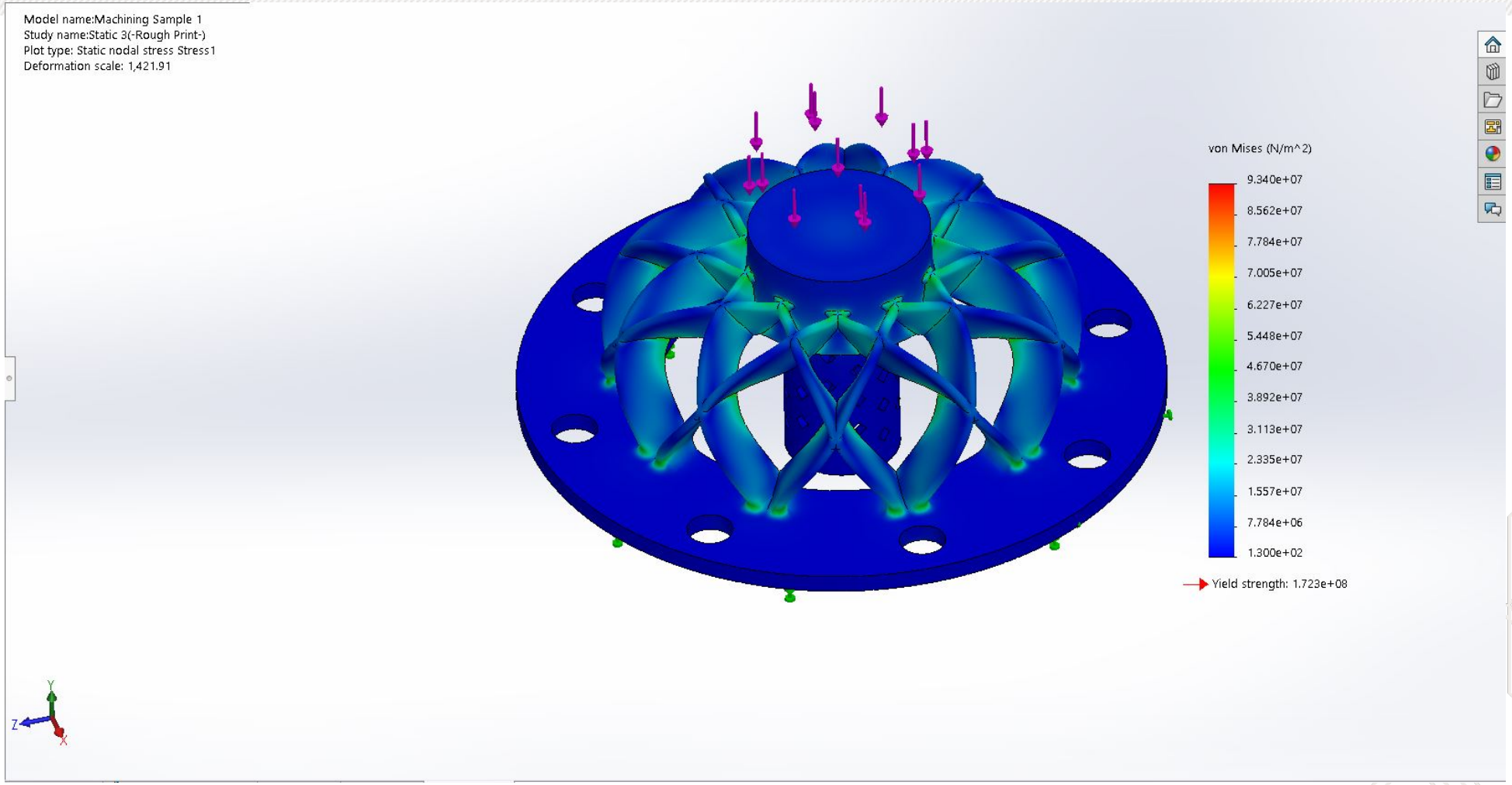
SIMULATION



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MODEL BASED DEFINITION (MBD)

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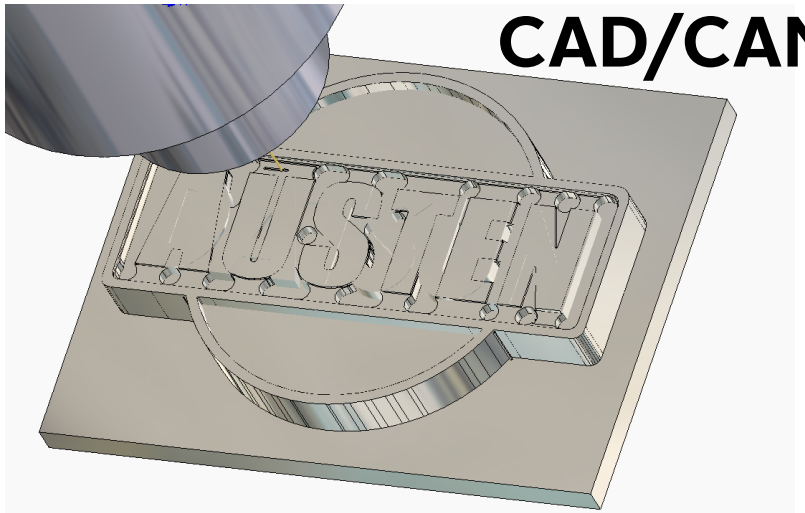
WHAT IS IT?



POST-PROCESSOR

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WHY CHOOSE SOLIDWORKS CAM?

Knowledge-Based machining and **Automatic Feature Recognition** drastically cut programming time and improves consistency... for **FREE**

Seamless integration with SolidWorks

Reads and machines to **MBD Data.**

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One-stop **shop** for CAD/CAM Support

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WHY UPGRADE TO PROFESSIONAL?

Ability to make **turned** and **milled** parts, position **4th** and **5th** axes

High Speed Machining for rapid removal of large material amounts

Use **Assemblies** to represent fixtures and complex setups

CAM **Configurations** cut down on repetitive work

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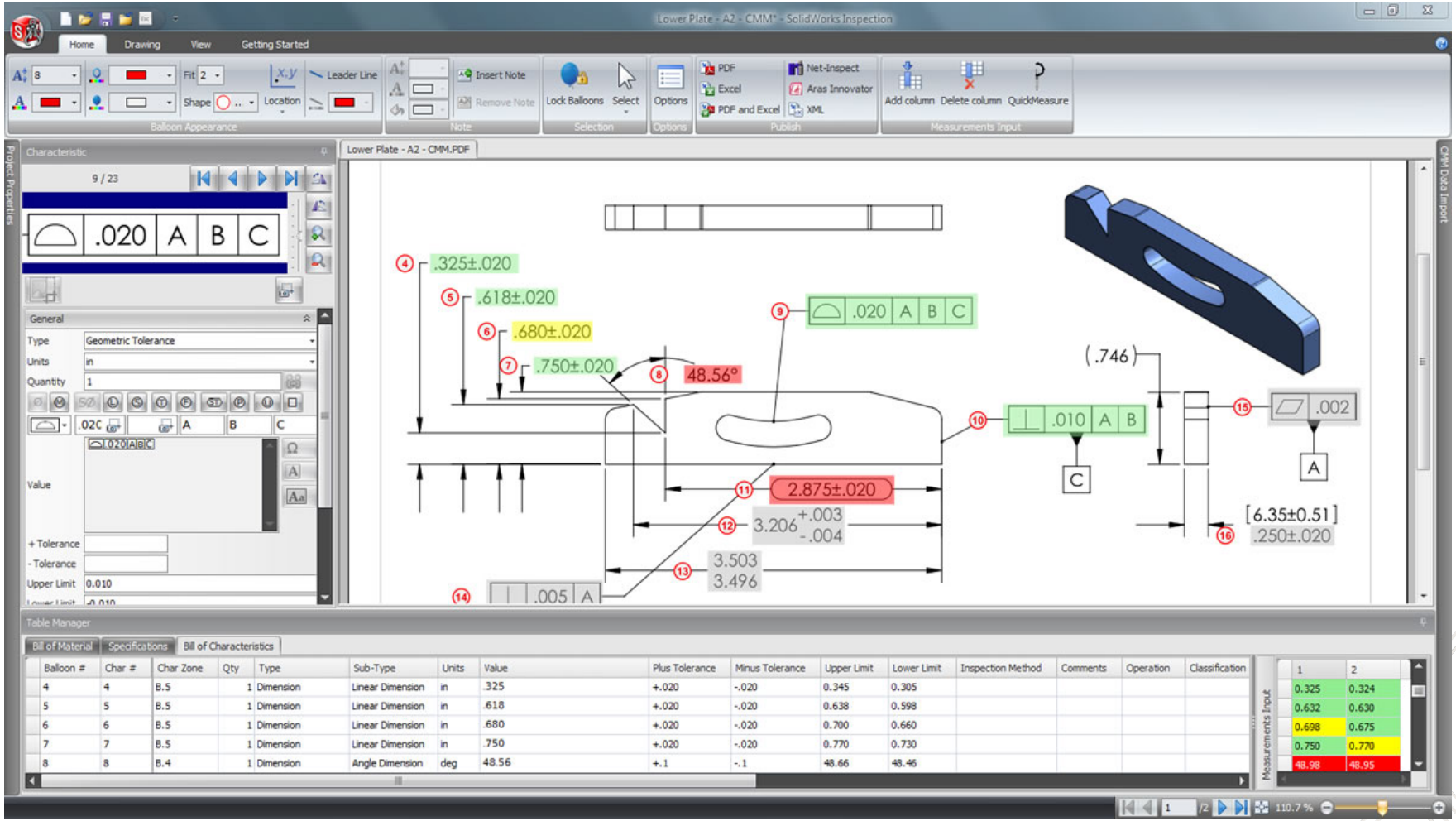
SOLIDWORKS INSPECTION



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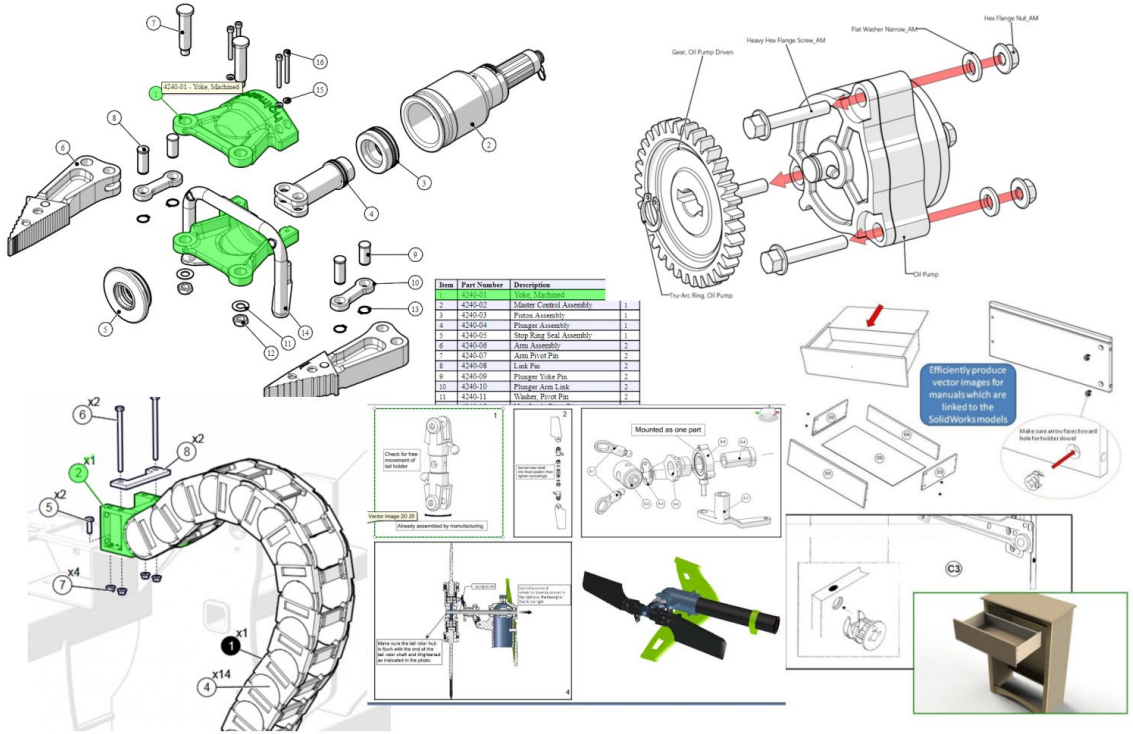
INSPECTION & COMPOSER



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The Missing Link?

3D PRINTING!

Markforged

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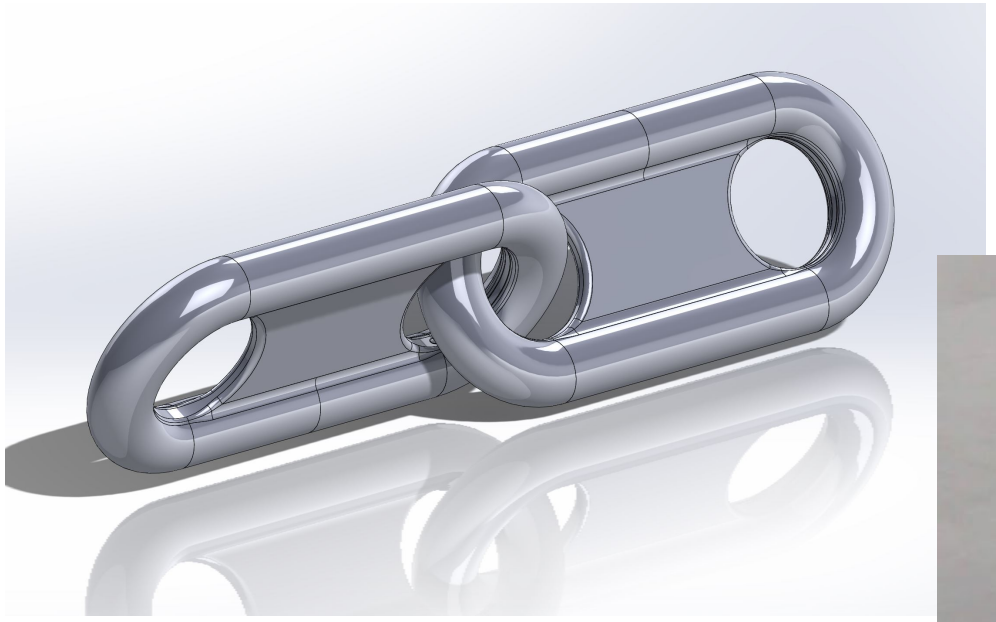
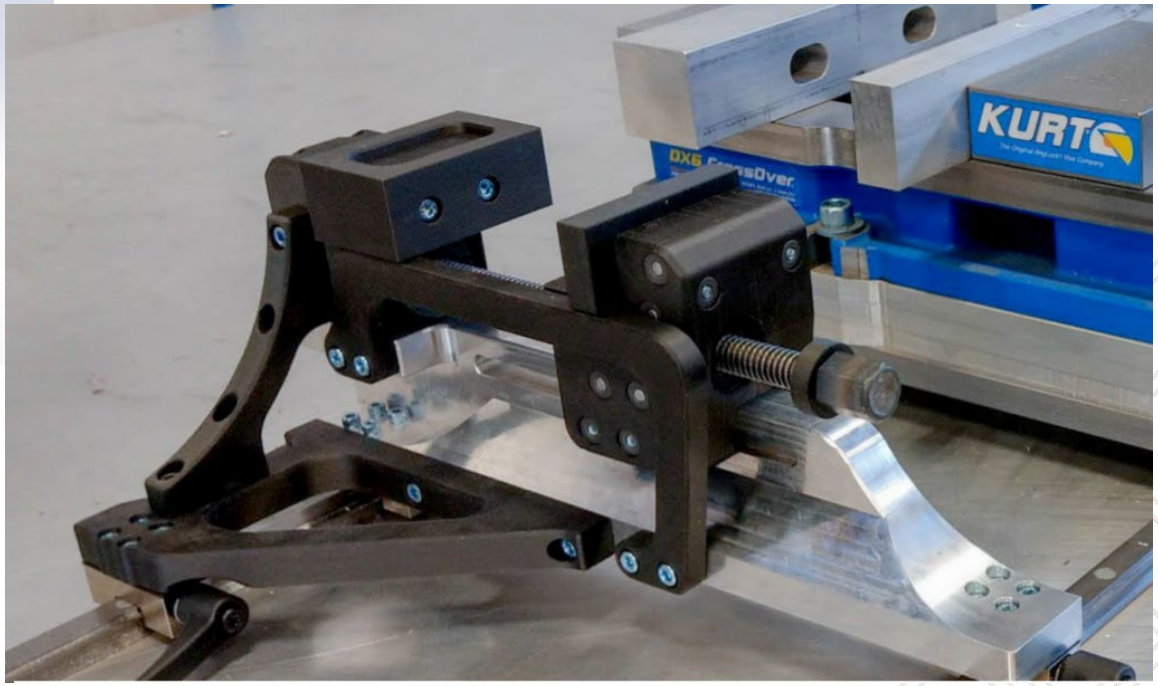
NOT JUST FOR TOYS ANYMORE





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IT'S ALL ABOUT TIME:

HOW MUCH CAN YOU SAVE?

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