



Design Optimisation

**ASSIST AND UPSKILL YOUR DESIGN TEAMS IN
HOW TO BEST UTILIZE ADDITIVE MANUFACTURING**

DESIGNING FOR A NEW PROCESS OR MATERIAL CAN OFTEN BE CHALLENGING. LET STRATASYS CONSULTING GUIDE YOU THROUGH THE PRACTICALITIES OF USING ADDITIVE MANUFACTURING

Great design solutions require multiple experts to consider the problem from different angles. 3D printing or additive manufacturing (AM) is a fantastic new tool for the modern engineer, but can you be sure you are fully leveraging all the benefits of AM driven design?

A survey conducted in 2017 shows that 43% of respondents indicate a lack of in-house expertise as the greatest challenge of adoption of the technology¹. The issue is no longer the maturity of the technology but the understanding and knowledge of the userbase. Additive technologies have matured at a blistering pace since their conception 30 years ago. There is now an extremely broad array of software packages, materials & techniques to choose from when considering your path from idea to finished part.

WHO IS THIS FOR?

This service is ideal for both novice & experienced users of AM alike. Whether you're looking for expert advice to start you off in the right direction or a full project managed design and review service, we can help.

If you are a designer, engineer we can engage on a deep technical level, likewise we can also assist project & production managers to understand how to



WHEN MAY YOU NEED HELP WITH YOUR AM DESIGN THINKING?

- WANT TO CREATE PRODUCTS THAT TAKE ADVANTAGE OF INCREASED DESIGN FREEDOMS?
- UNSURE WHETHER YOUR 3D PRINTING DESIGNS CONFORM TO REGULATIONS AND STANDARDS?
- NOT SURE IF YOUR SOLUTION IS THE MOST COST-EFFICIENT WAY TO MANUFACTURE?
- LOOKING FOR WAYS TO REDUCE YOUR 3D PRINTING TIME AND COST THROUGH BETTER DESIGN?
- NEED TO UNDERSTAND THE SOFTWARE WORKFLOW?
- NEED TO PRODUCE TECHNICAL DRAWING PACKAGES TO MAKE YOUR DESIGNS READY FOR ADDITIVE PRODUCTION?

¹ - Jabil, 3D Printing Trends Report October 2017

Design Optimization

UPSKILLING AND ASSISTING YOUR DESIGN TEAMS IN HOW BEST TO DESIGN WITH AND FOR ADDITIVE MANUFACTURING

WHAT RESULTS CAN YOU EXPECT

- Datasheets, design guides and advice on how to get the most out of AM
- A selection of recommended approaches to your problem for your consideration
- 1-1 design review meetings, mentoring, guidance & support for both technical and managers from AM Experts
- CAD support (If required)
- A trusted but critical eye to help you call the final design choices
- An easy & efficient route to turn your designs into tangible parts

Stratasys Design Consultants work closely with your design teams and engineers to design and re-engineer your products, tools, jigs and fixtures through a rigorous design optimization process

Our consultants are highly experienced in additive manufacturing and will be on hand to take you through every step of the process no matter how big or small. The process starts by understanding your problem, industry & motivations. We work with you to short list the best additively designed solutions, combining our additive expertise with your own specialist knowledge to find the most optimised solutions.

We can either coach and guide your own design and engineering teams to produce the final designs & CAD data or if you'd prefer, use our established additive designers. Finally, we can also support you in reviewing your finished designs and transforming them into one off prototypes or production parts.



DEFINE THE PROBLEM

Our design consultants will investigate your problem and industry to understand your requirements, problems & concerns.

OUTCOME

SPECIFICATION



SELECT AM TECH & MATERIAL

There is now a bewildering array of options available, we guide you through the advantages of each and find material data sheets to meet your specifications.

OUTCOME

AM MATERIALS AND PROCESS SELECTION AND DATA SHEETS



CREATE DESIGN CONCEPTS

We'll work with you to propose multiple different solutions, arming you with the pros & cons of each to empower your decision making of the final design solution.

OUTCOME

PRESENTATION OF PROTOTYPE DESIGNS, FINAL DESIGN DIRECTION



OPTIMISE FINAL DESIGN

We assist you in navigating AM's digital workflow and can help you to scale your design to production volumes.

Our production engineers are on hand that you finish the project with an AM technical data package.

OUTCOME

COMPREHENSIVE DELIVERABLE WITH YOUR DESIGN UPGRADES/OPTIMIZATION CHANGES AND DESIGN BEST PRACTICES

stratasys
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