3D printed in full color, with 8 channels in one print

Five Ways to Save Time and Money
in Your Product Design Process

Is your current design modeling process costing you more time and money than it should? Do you want to reduce friction in the stakeholder approval process?

The Solution

Bring higher quality CMF (color material finish) modeling straight to your team's fingertips for a complete, in-house design process.

Using traditional modeling design and production methods is costing your product development teams time and money. Quality model shops have long queues and large price tags. Traditional modeling by hand is laborious and time-consuming and outsourcing comes with a laundry list of communication headaches, IP theft concerns, and extra costs.

Make communication easier, improve design quality and reduce time to market. Read on to find out how bringing full color, multi-material modeling tools in-house can save time, money and significantly improve the product design process.

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1. Cut modeling time and cost.

Outsourcing to model shops or modeling and painting by hand may be the norm but waiting days or weeks for models to arrive causes unnecessary delays to the design process and spending precious designer hours carving and painting your single color models wastes valuable time that you can't get back.

Bringing full color, multi-material 3D printing in-house means faster models created more efficiently. With minimal material waste, little to no post-processing and enhanced communication, you can spare designers modeling time by 50% and create models at 20% of the cost of outsourcing.

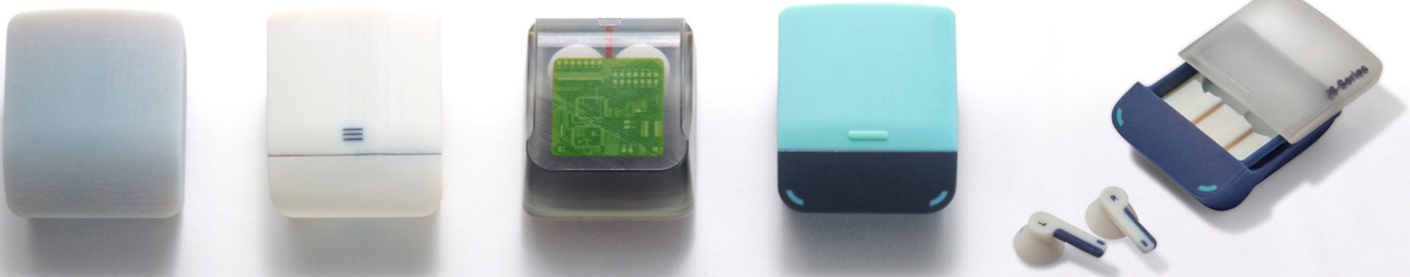Save designers **50%** in modeling time

or

Accelerate modeling integration with **more** design options

2. Accelerate design iterations.

With a strict time frame until a product goes to market, companies that outsource or hand-make models often must skip modeling iterations designs, lean heavily on 2D renders and remain limited to making only one or two physical design models. When using 2D renders in the design process, there are always certain details that will be missed, leading to design flaws later on that will disrupt the entire process, costing your company more time and money.

Bringing full color 3D printing in-house lets design teams create five times the number of prototypes they would normally be able to make for the same budget, meaning detailed design models can happen sooner, design issues can be ironed out earlier in the process and decisions and design freeze can happen faster.

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3. Improve product design quality.

While outsourcing can be a useful tool, model quality can be unreliable due to communication issues and wait times. Outsourcing also limits the number of prototypes that are feasible within a certain time and budget, preventing designers from experimenting with new design options.

Incorporating full color 3D printing into the design process allows the team to ensure model quality and perfect their ideas in-house. 3D printing also lets designers make concept models, create CMF models sooner and high-fidelity models more often, even when models require full color or multi-material and surface finish.

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4. Reduce risk of design exposure.

Some companies assume that, because of outsourcing, IP theft is an inevitable cost of doing business. However, the impact of IP theft is so much more than just the initial design exposure – it can result in long-term hits to your company's market value. About 90% of people in the consumer space outsource overseas. The result? A percentage of designs are inevitably stolen.

You can forget these concerns by simply keeping your production in-house and drastically reducing the risk of design exposure. Keep 100% of your intellectual property within your company by eliminating the need to send 3D CAD files out to external providers and ensure that your products stand out once they hit the market.

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5. Get stakeholder approval faster.

Creating quality prototypes in just a few hours lets you put those prototypes in the hands of stakeholders and reviewers. With a real, physical model – not just a 2D render – reviewers can make faster and smarter decisions about designs, whether they're assessing the color or the ergonomics of a product.

Putting multiple iterations in the decision maker's hands lets them know that the team listens and responds to feedback in a meaningful way.

This not only ensures that stakeholders are fully behind the project, it makes the process more efficient, giving you a better product that gets to market weeks or months earlier.

If your business is losing time and money because of outsourcing headaches, laborious modeling processes and IP theft, the Stratasys® J55™ Prime 3D printer is an effective tool to make the most of your design process. Our full color, multi-material, 8 channel office solution can help your team make product development faster and more cost-effective – with higher quality results.

To learn more visit: www.stratasys.com/3d-printers/j55