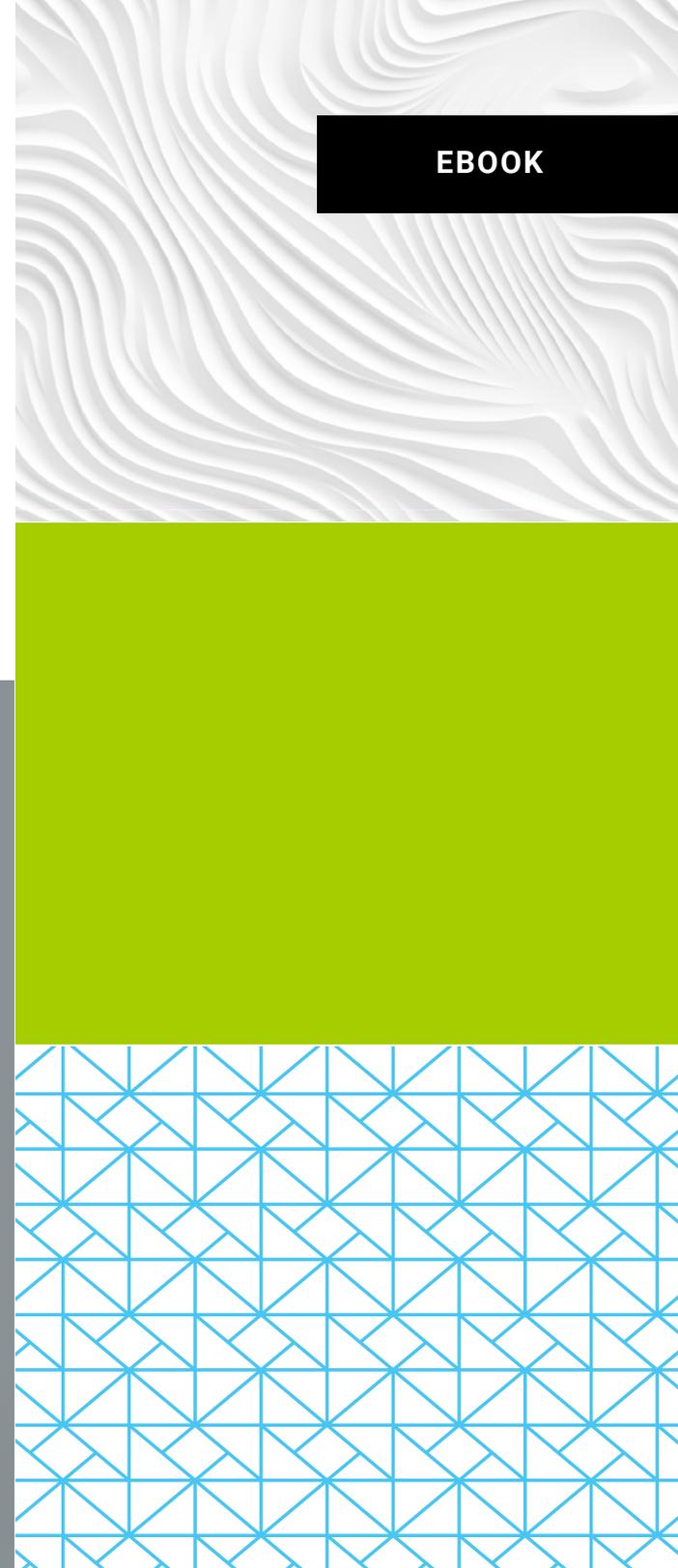


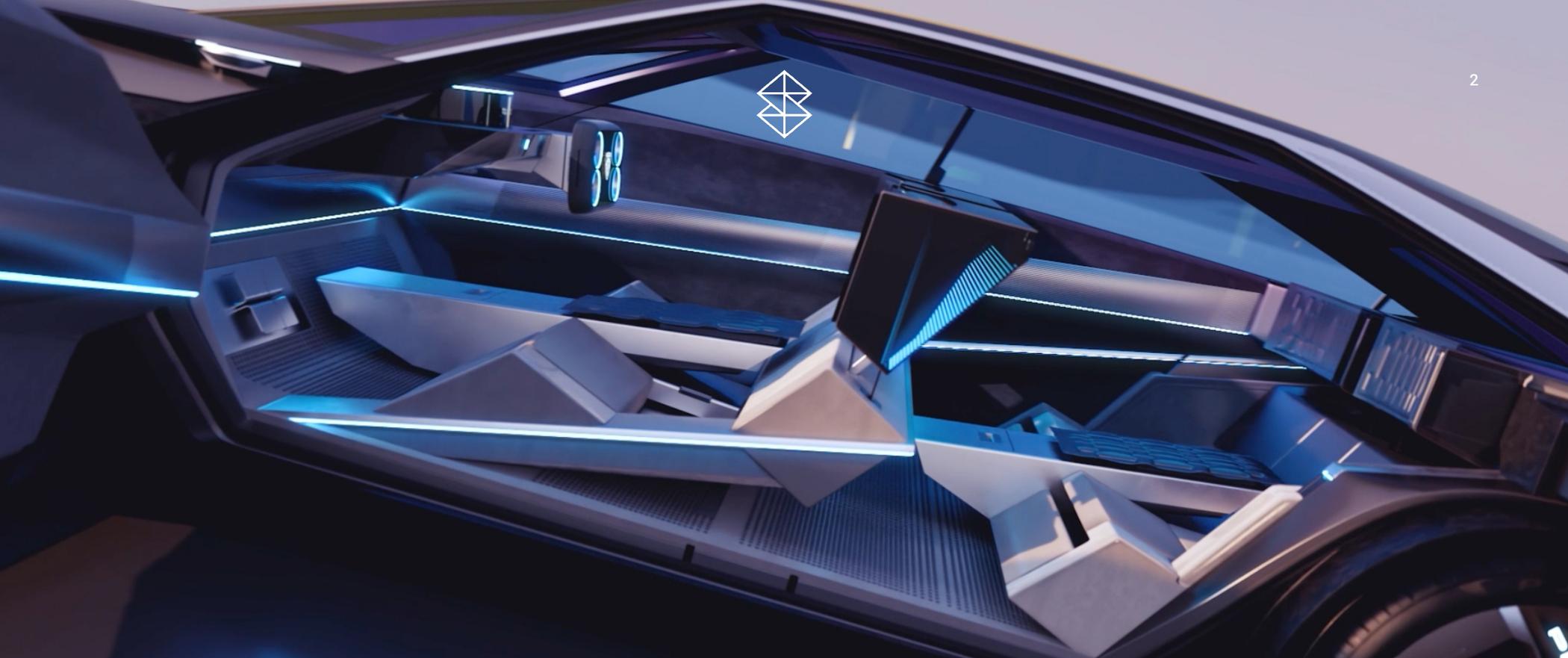


EBOOK

Push the Boundaries of Product Development with Advanced Rapid Prototyping

Vision Possible





Looking for Unparalleled Precision, Efficiency, Speed and Versatility?

Your vision is powerful and now technology is catching up to turn these visions into a reality. Where previous methods of prototyping were constrained and could only take you to a certain point in your path to innovation, the gates are now open to limitless creativity. With faster, more accurate and reliable capabilities, you can turn your most ambiguous ideas into tangible prototypes. Forget previously unthinkable creations and start reinventing the wheel.



What will Advanced Rapid Prototyping Mean for you?

Facing the challenges of high costs and slow progress with traditional prototyping? The need for specialized tooling can drive up costs and limit your design's adaptability, making quick iterations and modifications a struggle. And constraints on materials and finishes can stifle your prototype's functional and aesthetic possibilities, holding back your project – and your potential for innovation.

With 3D printing, designers and engineers can bring ideas to life faster, cheaper, and with more creative freedom than ever before! Here are some of the main benefits:

- **Speed and Efficiency:** Produce prototypes in hours, speeding up design iteration and innovation.
- **Cost Efficiency:** Save on setup, labor, and tooling costs compared to traditional manufacturing.
- **Sustainability:** Streamline your processes, optimize designs and reduce material waste.
- **Precision and Quality:** Build prototypes that meet exact specifications with advanced materials and printing technologies.
- **IP Protection:** Secure your intellectual property and encourage creative development by bringing production in-house.





Which Technology is Right for my Challenge?

Your vision drives progress, from groundbreaking consumer electronics, to life-saving medical devices and pioneering aerospace components. We're here to turn your innovative concepts into reality with advanced rapid prototyping technologies, supporting innovators and visionaries in every industry.

PolyJet™: Ideal for prototypes requiring intricate details and lifelike accuracy. Experience unparalleled versatility, with full-color capabilities and multi-material printing for hyper-realistic, fast, vibrant, color, material, finish (CMF), CMF prototyping. Seamlessly integrate elements into prints, or print directly onto objects for limitless customization.

Stereolithography (SLA): When it comes to producing large parts with a flawless surface finish, SLA technology stands out. Its precision and ability to create smooth, accurate and detailed prototypes make it an excellent option for components that demand high aesthetic quality. SLA is ideal where large, visually impactful prototypes are necessary to convey the final product's look and feel.

P3™ DLP: Revolutionizing industrial-grade prototyping by delivering repeatable, injection-molding quality, P3 DLP models not only mimic the appearance of the final product but also its functionality – perfect for durable, high-performance prototypes capable of withstanding rigorous testing.

Fused Deposition Modeling (FDM®): FDM is renowned for its reliability, speed and cost-effectiveness, perfect for rapid iteration of concept models and functional prototypes. If you need to develop, test, and refine your ideas quickly and efficiently, with FDM you can accelerate your prototyping process, armed with a wide range of materials.

GrabCAD Print™: The key to unlocking the full potential of additive manufacturing technologies, our software offers intuitive tools for optimizing prints and ensuring precision, and with features like automatic support generation and real-time error detection, GrabCAD Print and GrabCAD Print Pro empower you to take your prototypes from Great to WOW!





Innovative Materials for Best-in-Class Prototyping

The key to a successful prototype lies in the materials. Discover an extensive array of cutting-edge materials, meticulously engineered to cater to your unique requirements. With a diverse selection of new, preferred, and certified options, you can raise the functionality, aesthetics, and durability of your prototypes to new heights.



Materialize your Vision

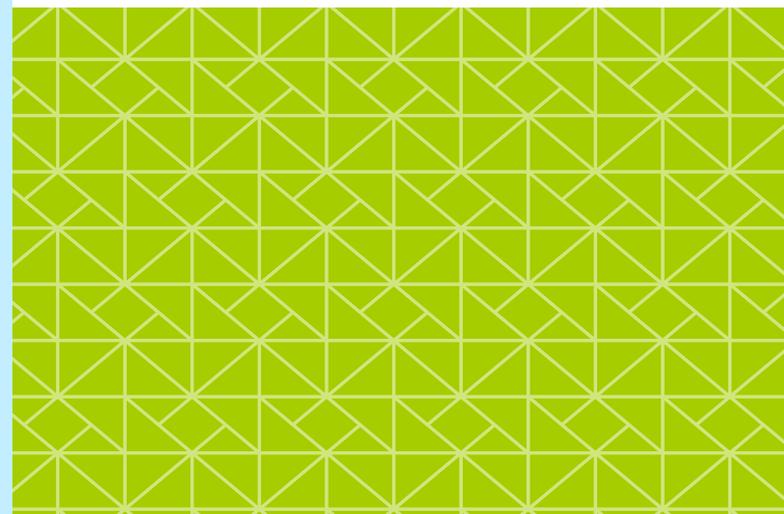
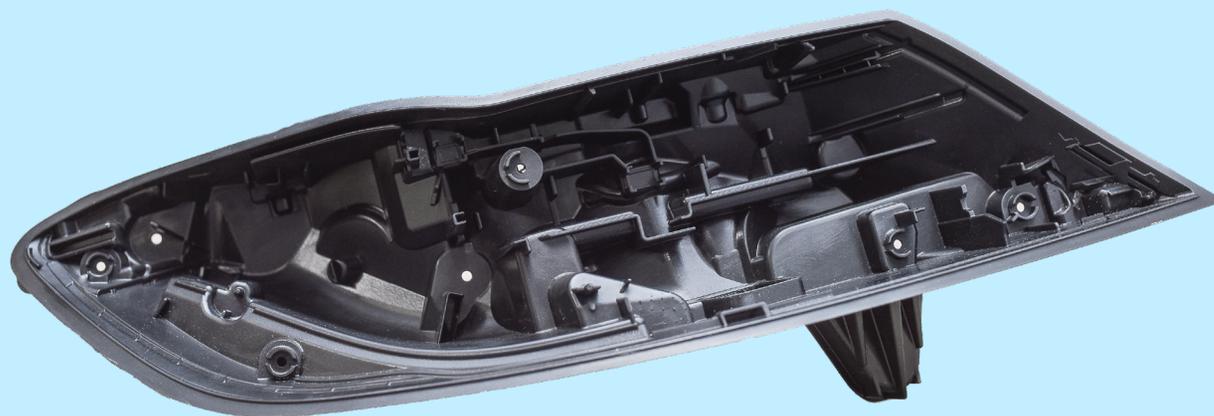
Central to your prototyping prowess is the sheer diversity of materials available, from basic draft materials ideal for initial concept models to high-performance, flame-smoke-toxicity (FST) compliant materials, vivid Pantone colors, and options that span from utterly flexible to perfectly rigid. This vast selection ensures that whatever your project demands - whether it's a rough sketch needing tangible form or a near-final product requiring rigorous testing - we have the materials to bring your vision to life. Our dedication to expanding material possibilities means your prototypes can perfectly balance function, beauty, and resilience.





As Limitless as your Vision

Are you ready to push the boundaries of what's possible? With advanced rapid prototyping you are the closest you've ever been to translating limitless visions into limitless reality. With us by your side, there are no limits to what you can achieve.



Case Studies

See how top global brands are leveraging our solutions to impact business outcomes.



[Microsoft](#)



[Techno](#)



[Toyota](#)



[Sub-Zero](#)

Connect With Us

Ready to take your prototyping to the next level? Contact Stratasys today to learn how our advanced rapid prototyping solutions can accelerate your product development cycle and bring your visionary ideas to life.

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