



# From dream to design.

Bring concepts to life with multi-material 3D printing.

 proto3000  
ISO 9001:2015



# Start redesigning the realms of possibility.

Draw inspiration from designers who have embraced texture, transparency, color and more with PolyJet™ technology and explore the nearly endless possibilities of multi-material, full-color 3D printing.



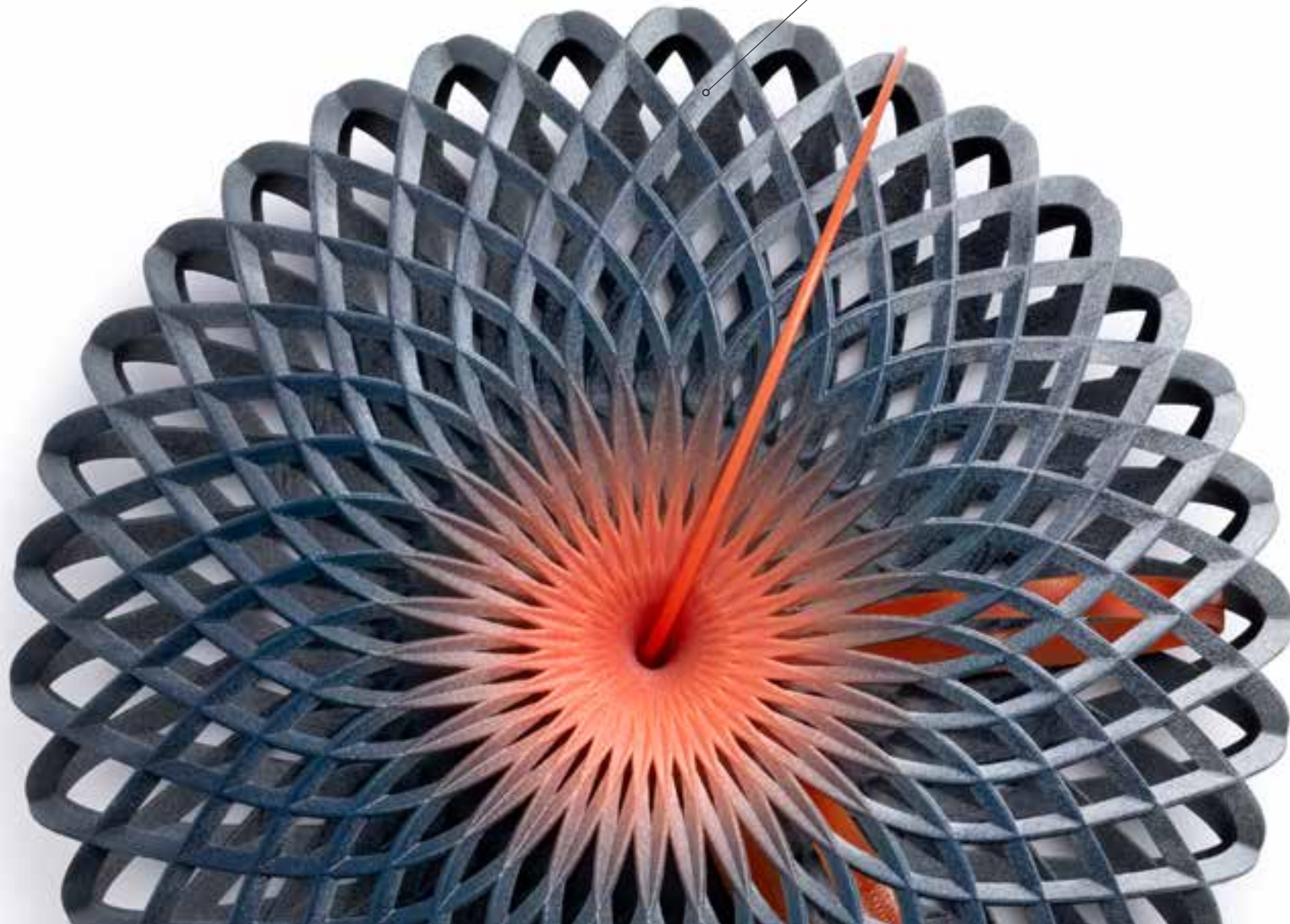


# Geometry of time.

Capturing the complexities of geometry and the intricacies of time, this dynamic clock design was transformed from imagination to reality with multi-material 3D printing.

**Application:**  
Functioning prototype

**Materials:**  
VeroVivid™, SUP706B™







Grip texture



Text labels

Clear reflector

# Shining a light on realism.

Incorporating texture, realistic detailing and PANTONE® color matching, this flashlight was 3D printed in four easy-to-assemble parts with perfect accuracy and tolerances.

**Application:**  
Consumer product prototype

**Materials:**  
VeroUltraClear™, VeroVivid,  
Vero PureWhite™









**Application**  
Mechanical assemblies

**Materials**  
VeroUltraClear,  
VeroVivid,  
Vero PureWhite,  
VeroBlackPlus



# The design of engineering.


Housing a complex system of colorful gears and mechanisms in a clear casing allowed for part differentiation, observation and handling without the risk of damage. These motor and gear box assemblies were also created in a single 3D print.

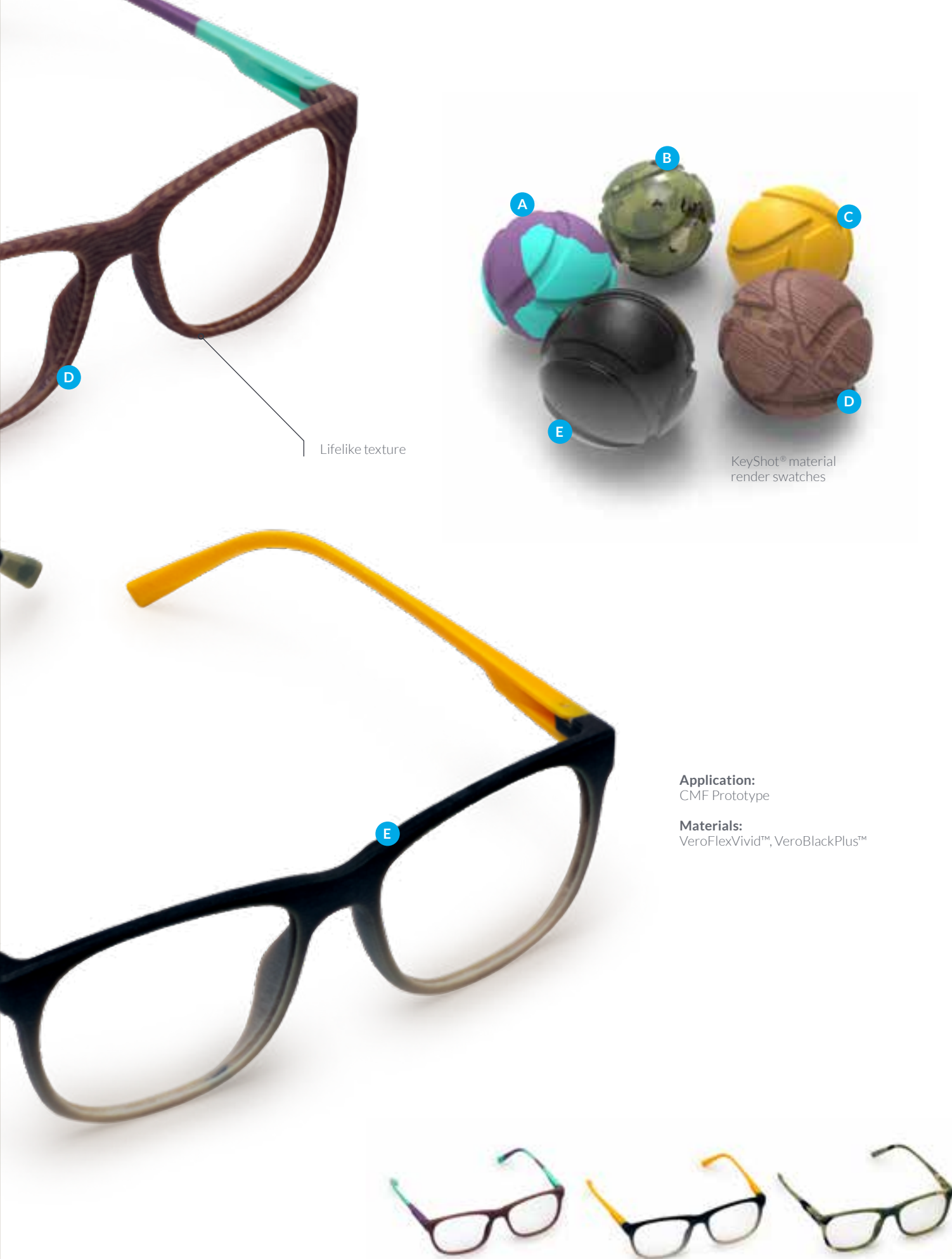




# Seeing renders in reality.

Innovating at the speed of trends requires fast design. These 3D printed eyewear prototypes were used to quickly explore combinations of color and texture as well as test wear-ability before landing on the final, trendsetting look.

 Find out how other designers use color, textures and patterns in fashion.




**Application:**  
CMF Prototype

**Materials:**  
VeroFlexVivid™, VeroBlackPlus™

Designed by: Lior Elgali

# Encircled in color.

When it comes to any accessory, look, fit and feel are critical. And by 3D printing a wearable prototype, design details like size, shape and color combinations can all be tested to create that perfect statement piece.

 See how color can change the way you 3D print.



**Application:**  
User testing, exact-match marketing model

**Materials:**  
VeroVivid, VeroUltraClear





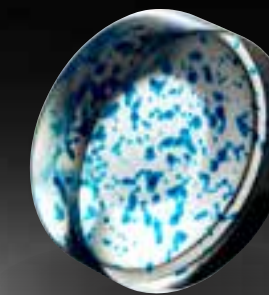
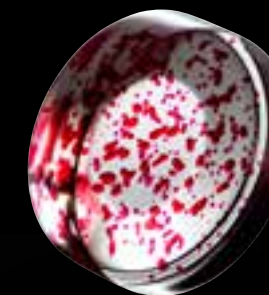
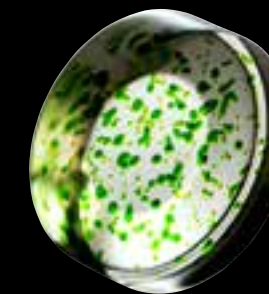
# Featured in lights.

When designing lighting, using glass in the early design stages is not always possible. So to achieve optimum illumination, 3D printing and transparent materials are key for concept and aesthetic exploration.



**Application:**  
Lighting Model

**Materials:**  
Vero PureWhite,  
VeroVivid,  
VeroUltraClear





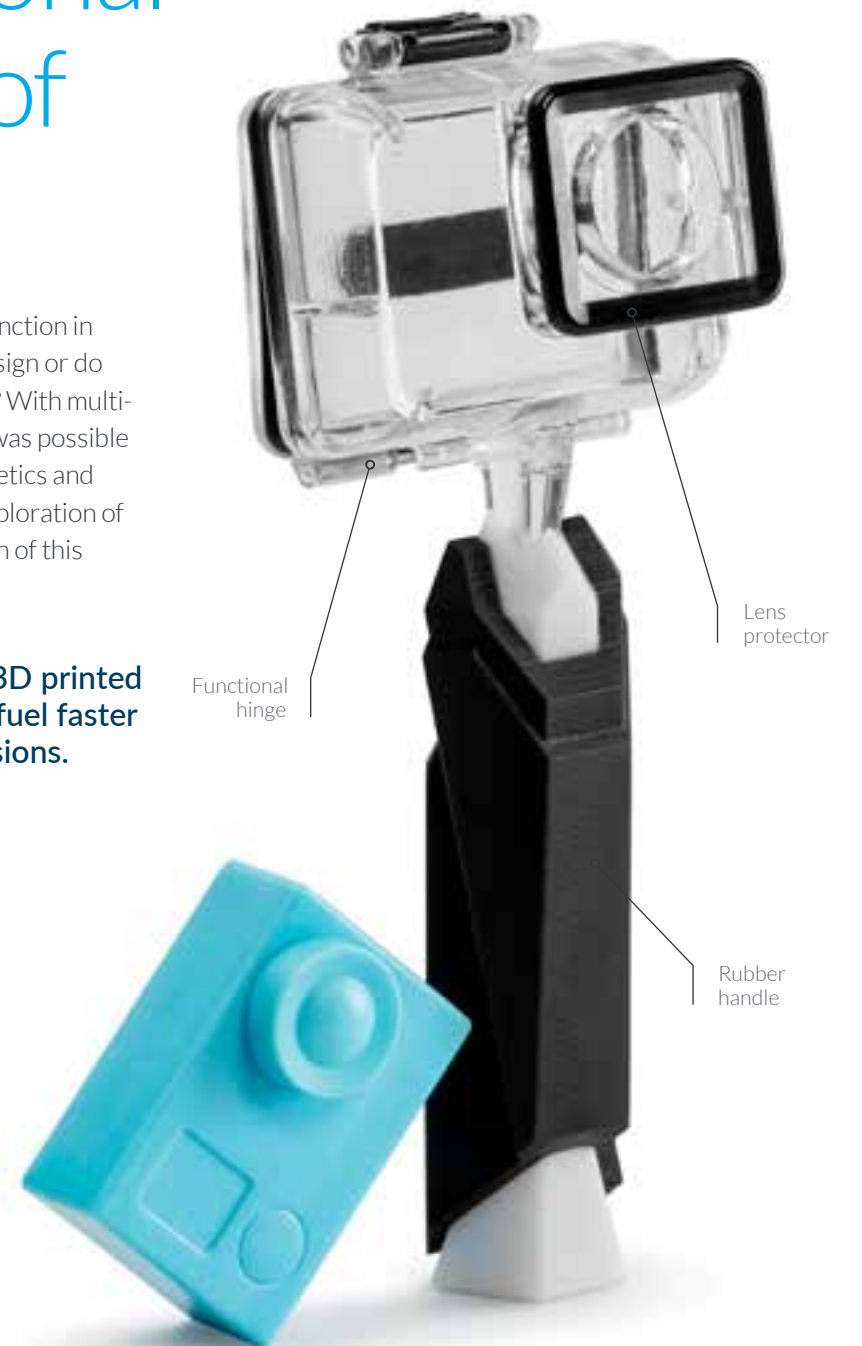
# A functional point of view.

Does form still follow function in the world of product design or do aesthetics matter more? With multi-material 3D printing, it was possible to design for both aesthetics and usability through the exploration of color, shape and function of this on-the-go camera case.

 Learn how 3D printed prototypes fuel faster design decisions.

**Application:**  
Functional prototype

**Materials:**  
VeroUltraClear,  
VeroCyanV™,  
Vero PureWhite,  
VeroBlackPlus,  
Digital ABS™,  
Agilus30™ Black




Designed by: Naftali Eder





# Still life.

Transparent 3D printing materials allow enough light to pass through so that objects, colors, textures and fragile details safely containedd within can be seen clearly. It can also be used to simulate glass or test functionality and aesthetics.

 Discover other inspiring and impossible 3D materials.

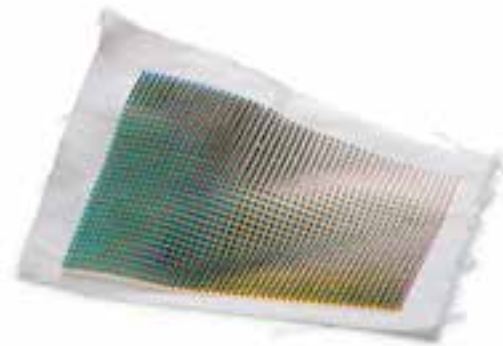


**Application:**  
Delicate, detailed models

**Materials:**  
VeroUltraClear, VeroVivid,  
Vero PureWhite, VeroBlackPlus







**Application:**  
Art and fashion

**Materials:**  
VeroUltraClear,  
VeroVivid,  
Vero PureWhite,  
VeroBlackPlus,  
Custom VoxelPrint  
materials

# Inspired by natural design.

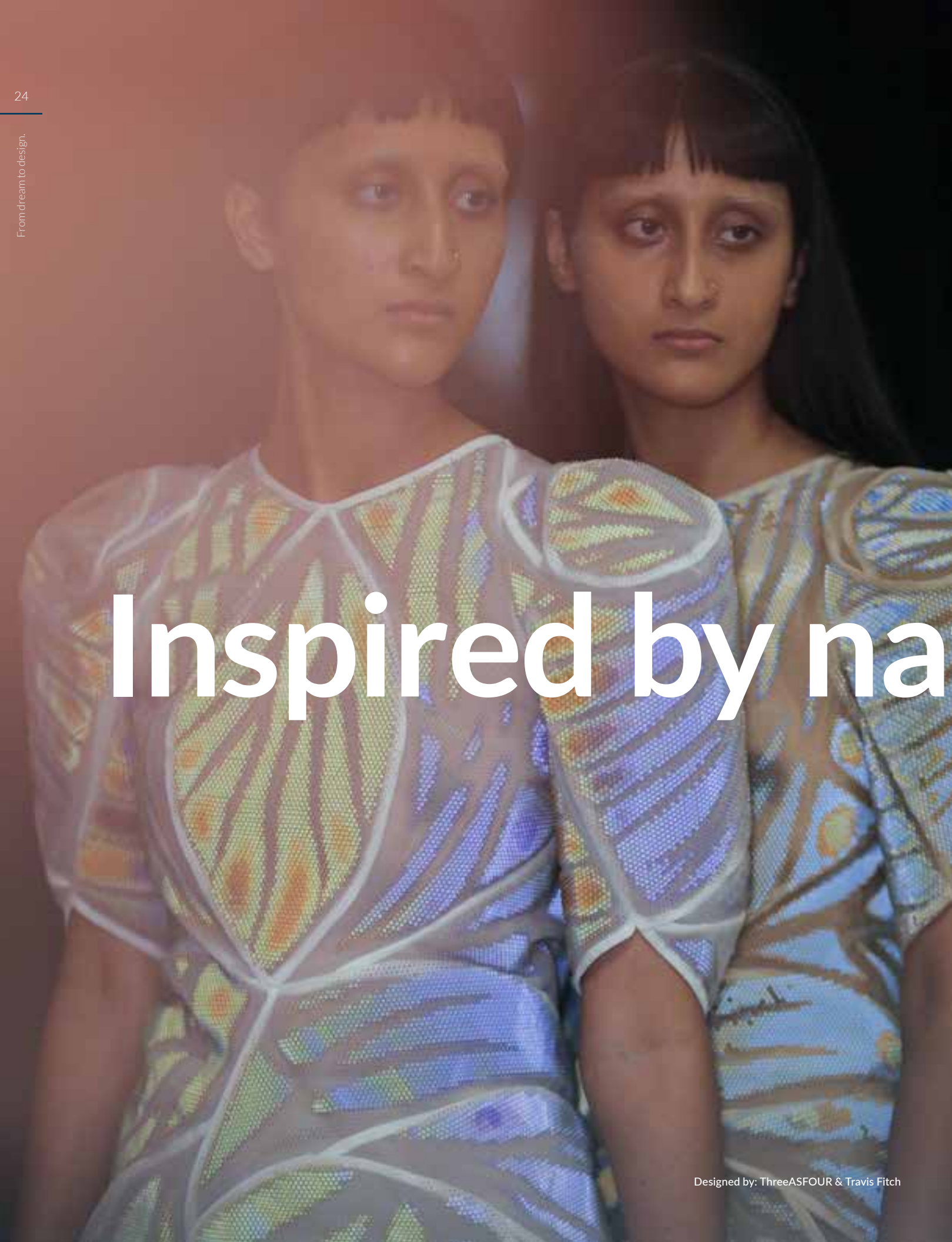
In a design inspired by the microscopic colors and light filtering of an insect's wings, photopolymers were 3D printed directly onto fabric in a first-of-its-kind approach. A reminder that innovation is limited only by imagination.



 Watch the Chro-Morpho Collection come to life.







# Inspired by natural design.


Designed by: ThreeASFOUR & Travis Fitch





# The full package.

Create more than a thing – create an experience. Using multi-material 3D printing, this packaging design demonstrated how the right mix of colors, parts and graphics could be used to create the ideal unboxing experience.

 Watch the unboxing of this true-to-scale packaging model.



Graphics

Text

Thin and flat parts


**Application:**  
Packaging

**Materials:**  
VeroUltraClear,  
VeroVivid,  
Vero PureWhite



# Flexible listening.

Create designs that respond to touch. Using multi-material 3D printing, this earbud case prototype was designed to test real-life functionality and explore elements of flexibility.

 Discover how you can make your prototypes flex.

**Application**  
Prototype

**Materials:**  
VeroVivid,  
Vero PureWhite,  
VeroBlackPlus,  
Agilus30 Black

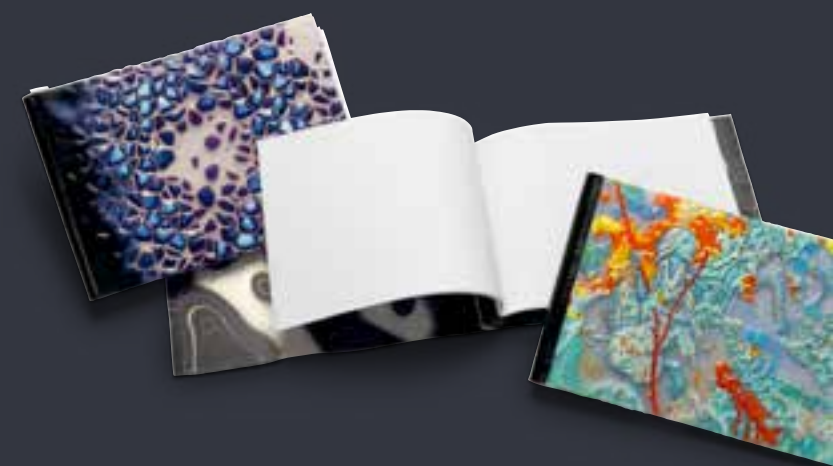






# Ideas of note.

Just imagine what you could make. Bound by no design limits, these notebook covers explore CMF and the creative possibilities of multi-material 3D printing including color, transparency and texture.



**Application:**  
Creative capability

**Materials:**  
VeroUltraClear, VeroVivid,  
Vero PureWhite, VeroBlackPlus,  
Agilus30 Black, Digital ABS



# The shift in evolution.

From concept to end result, design is an evolution of stages. This gear shifter prototype demonstrates the 3D printing process from fast draft, single-material concept to exploring leather textures, woodgrains and stitched details and selecting a final design.

Find out how other designers use color, textures and patterns in fashion.



Concept model



Sketch mode



3-color model



Final, full-color model

**Application:**  
Automotive interior trim design  
**Materials:**  
DraftGrey™, VeroUltraClear, VeroVivid,  
Vero PureWhite, VeroBlackPlus, Agilus30



Design inspiration sample






# Printed, not carved.

Natural, realistic textures are not only possible – they're simple. Easily mistaken as a handcrafted toy, this toy car is a prime example of how 3D printing can be used to mimic the look and texture of real wood.



 See how easy it is to go from render to print.

**Application:**  
Render-to-print model  
**Materials:**  
VeroVivid





**Application:**  
Concept model

**Materials:**  
VeroUltraClear, VeroVivid,  
VeroBlackPlus, Vero PureWhite

## Let concepts take flight.

Achieve detail and design clarity. Creating the illusion of butterflies in flight, this perfume bottle prototype was produced in a single print using a glass-like material and vivid, full-color details.








**Application:**  
Functional prototype

**Materials:**  
Digital ABS, Agilus30 Black

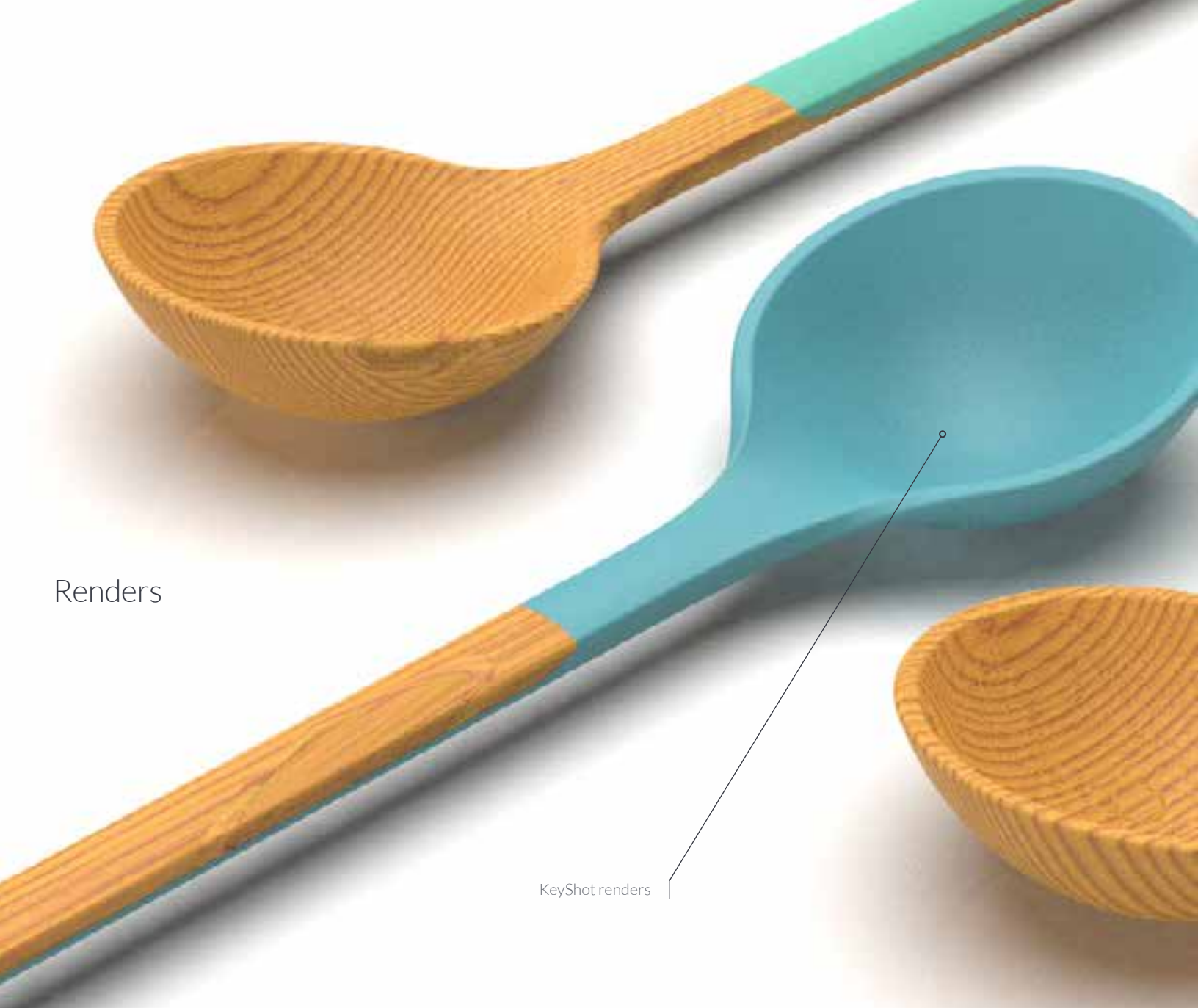
## Hit the throttle.

The ability to make faster decisions drives design forward. Replicating the look and feel of rubber, these throttle assembly prototypes were used to rapidly test strength, durability, flexibility and grip before landing on a final design.

 Find out how you can create flexible, rubber-like designs.







Renders

KeyShot renders



Full-color 3D prints

3D printed reality

# Serving up color.

It's all about achieving the right balance of design elements. Taking this serving spoon from render to print was the ideal way to test out the functionality, vivid color combinations and wood grain patterns that would be featured in the final product.

 Watch how you can refine your designs faster.

**Application:**  
Render-to-print prototype  
**Materials:**  
VeroVivid

Designed by: Nadia Zinger Wagshall



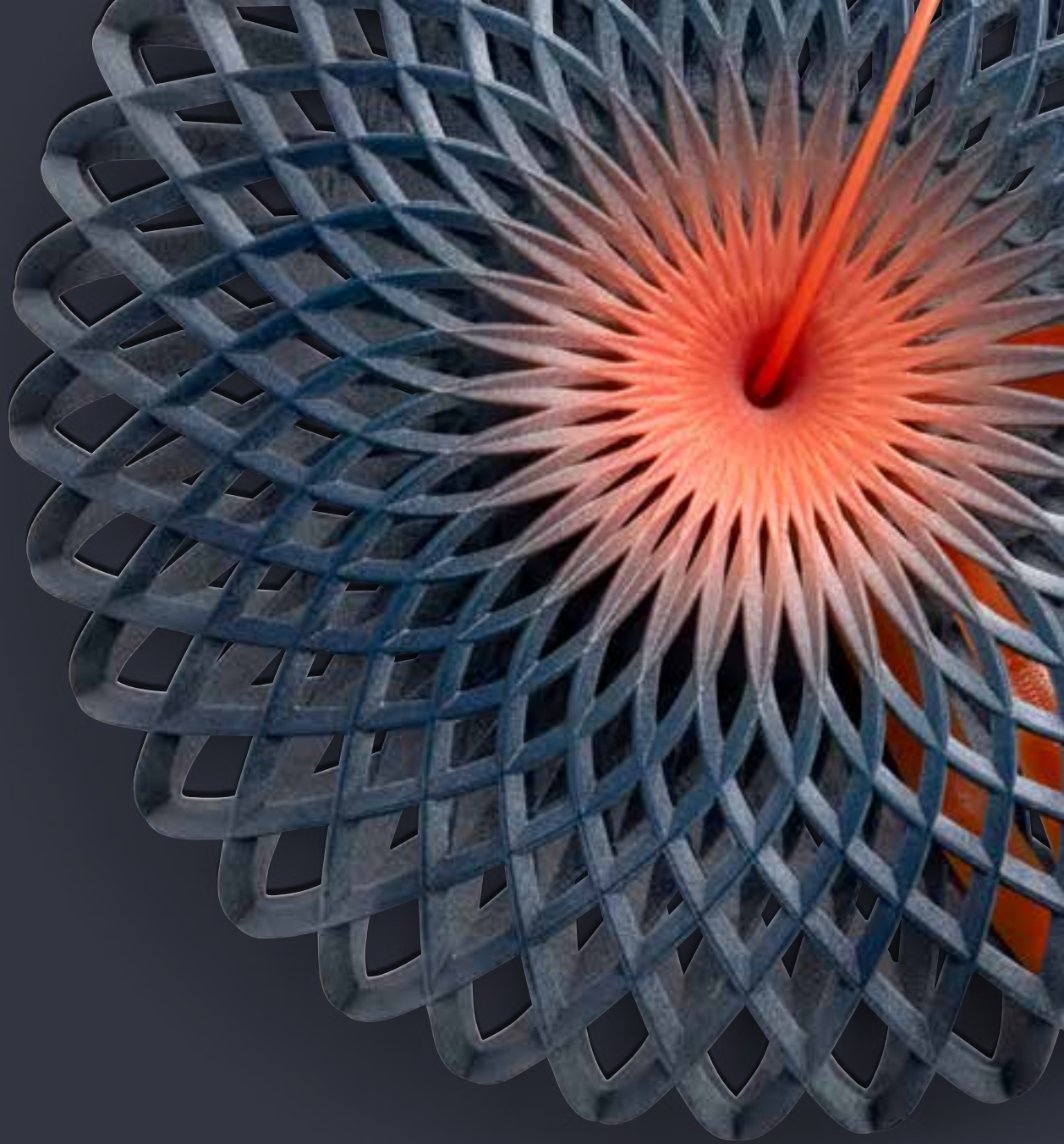
# Imagine, innovate, create with PolyJet 3D printing technology.

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turn with the Stratasys J55™.

Go from ideation to creation  
with the J8™ Series.







DESIGN



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