

Agilus30™ Colors

Use Case – Fashion Footwear

StrataShoe

Customer Profile

Design prototyping is an important step in the sneaker design process. By creating prototypes, designers can test out their designs and make sure they are functional before they are sent to production. The StrataShoe is a combination of visual and geometric textures that represent the range of materials available to reach a full color, flexible 3D printed sneaker prototype.

Challenge

Traditional shoe model making with multiple paint processes are very complex, time consuming, expensive and prone to error, especially on flexible or soft areas. The color, texture and detail on the entire 3D geometry of a shoe are very hard and expensive to reach with traditional methods. The accuracy of the position, color and tone must be equal for an end result that allows for good model evaluation and great design decisions.

Solution

Single-step 3D printed footwear prototypes using Agilus30 Colors can be produced in just a few hours. Simulation of different flexibility levels can be reached in just one step, with intricate detail down to simulated stitching. The StrataShoe is the final stage in the footwear design process. Prototyping iteration time is reduced drastically from weeks to hours. The result is a perfect appearance shoe simulation of high-quality rubber-like components with different levels of flexibility.

Impact

Agilus30™ provides the ability to simulate a real multi-material colorful prototype combining color flexible and color rigid materials for testing of the final design before going to production improving the design wprocess and speeding up the go-to-market time.

