

# CLEARVISION OPTICAL COMPANY

GROWING SALES THROUGH CONFIGURABLE  
EYEWEAR ORDERS WITH SOLIDWORKS MAKE



ClearVision Optical used SOLIDWORKS Make technology to leverage its SOLIDWORKS 3D product design data to support custom eyewear configuration, ordering, and fulfillment online for the recently launched Aspire Custom Eyewear collection—custom eyewear that blends high fashion with durability.

### Challenge:

Make customization and configuration of eyeglass styles in the Aspire Custom Eyewear collection available to eyecare professionals and distribution partners.

### Solution:

Implement the SOLIDWORKS Make online configurator and ordering solution.

### Benefits:

- Grew configurable orders to 75 percent of total in first year
- Supported over one million possible eyewear configurations
- Implemented online configurator without upfront costs
- Laid groundwork for end customer use

When Fred Friedfeld founded ClearVision in 1949, his goal was to create a great experience for independent eyecare professionals by providing high quality products and exceptional service. Today, David Friedfeld, Fred's son, continues his father's focus on quality and service, and ClearVision Optical has grown to become an award-winning leader in the optical industry, designing and distributing eyewear and sunwear for top brands, such as BCBGMAXAZRIA®, BluTech®, Ellen Tracy®, IZOD®, Jessica McClintock®, Op®, Revo®, and Steve Madden®.

ClearVision also produces house brands, including Aspire® Eyewear, ClearVision® Collection, Dilli Dalli® pediatric eyewear, DuraHinge®, Junction City®, PuriTI®, and Red Raven®. The privately held company has grown into a global enterprise, serving optical professionals and end customers throughout the United States and in 40 countries around the world.

For the recently launched Aspire Custom Eyewear collection—custom eyewear that blends high fashion with durability—ClearVision sought to leverage its SOLIDWORKS® 3D product design data to support custom eyewear configurations online. Previously, eyecare professional partners had no means for configuring orders via the phone and web, which prevented them from sitting down with customers and going through the range of options. What ClearVision needed was a solution for automating configuration, ordering, and fulfillment online, according to Product Engineer Pia Taveras.

"We were looking for a cost-effective way to enable eyecare professionals to configure and order the Aspire brand online when we encountered SOLIDWORKS Make at a 3D printing tradeshow," Taveras recalls. "Because we were already familiar with SOLIDWORKS CAD software, which we use to design our products, and no upfront investment or work were required—only a portion of the profit for each piece sold—we decided to implement the technology to support the Aspire Custom launch."



**"When our CEO approved the use of SOLIDWORKS Make for configuring Aspire Custom orders, he commented that he'd be surprised if more than one percent of the orders that we receive would be placed through use of the configurator. To date, 75 percent of Aspire Custom orders have been customized with the SOLIDWORKS Make configurator to some extent."**

— Pia Taveras, Product Engineer

"We are keenly aware of the trends toward online ordering, bespoke fashion, and manufacturing on demand," notes Marketing Specialist Jake Friedfeld. "What we liked about SOLIDWORKS Make technology was that this was the first time that we saw an online configurator that was simple to use."

### MAKING CUSTOMIZED EYEGLASSES AVAILABLE VIA WEB

Implementing SOLIDWORKS Make was as easy as uploading the 22 distinct parts required to make Aspire Custom Eyewear—lenses, bridges, end pieces, temple arms, and temple tips—from SOLIDWORKS and using SOLIDWORKS intelligent mating technology to create connections between parts. With the addition of 12 lens shapes and 18 distinct color variations, users can customize more than one million potential combinations and place orders in real time.

"I created the CAD files for the Aspire Custom line months before we launched the online configurator," Taveras explains. "It was then a fairly simple process to import them into SOLIDWORKS Make, assemble them to create the connections, and unleash the configurator. Our Aspire Custom collection is known for its unique coloration, shapes, strength, and customization. Our proprietary nylon polymer derivative material provides the strength, and SOLIDWORKS Make powers the customization."

### GROWING ONLINE CONFIGURATIONS

Leveraging SOLIDWORKS Make to support online configuration of Aspire Custom Eyewear not only provided ClearVision with a new piece of online ordering technology, it also surpassed all expectations regarding its impact. "When our CEO approved the use of SOLIDWORKS Make for configuring Aspire Custom orders, he commented that he'd be surprised if more than one percent of the orders that we receive would be placed through use of the configurator," Taveras notes.

"To date, 75 percent of Aspire Custom orders have been customized with the SOLIDWORKS Make configurator to some extent," Taveras adds. "This surprised us because, while anyone can play around with the configurator, only our eyecare professional partners can place orders using SOLIDWORKS Make at this point. It demonstrates that this approach will be embraced by our market and customers."



Using SOLIDWORKS Make, eyecare professionals can work with customers to choose from various components, 12 lens shapes, and 18 distinct color variations to customize more than one million potential eyewear combinations and place orders in real time.

## Focus on ClearVision Optical Company

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## AUTOMATING ORDER FULFILLMENT

In addition to driving the online configuration of Aspire Custom orders on the front end, SOLIDWORKS Make allows ClearVision to realize internal efficiencies on the back end during order fulfillment. "Originally, we focused on how SOLIDWORKS Make technology could create awareness of, and drive ordering and sales of, an already viable product," Taveras points out. "However, we're also seeing benefits related to the way SOLIDWORKS Make lists out our SKU numbers regarding parts and colors."

"We receive orders in a variety of ways: through our direct sales force, from eyecare professional partners, and now via SOLIDWORKS Make," Taveras continues. "Now, whoever places the order doesn't have to go through the hassle of waiting on the phone or a visit from an account person."

"ClearVision's implementation of SOLIDWORKS Make shows that investments in new technology really do pay off," Friedfeld stresses.

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