

# SOLIDWORKS Visualize Top Pro-Only Features

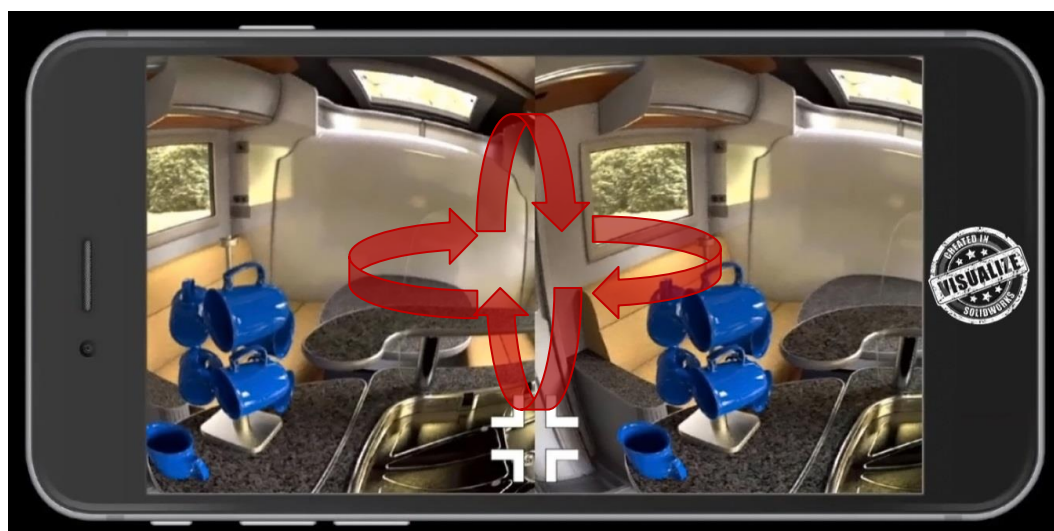
## What is SOLIDWORKS Visualize?

- SOLIDWORKS® Visualize (formerly known as Bunkspeed) is a suite of standalone software tools that enable anyone to create professional, photo-quality images, animations, immersive experiences and other 3D content in the fastest and easiest way possible. Get your products to market faster – perfect for any industry: product design, mechanical, architectural, yacht, jewelry, electrical, transportation, etc. SOLIDWORKS Visualize is the “camera” for your CAD data!
  - SOLIDWORKS Visualize Standard
  - SOLIDWORKS Visualize Professional (with Visualize Boost add-on)

For more information on the Visualize product, visit the [website](#) and explore the comparison between the packages. Watch this [short video](#) explaining Visualize’s value proposition, core benefits and time savings, allowing you to get your products to market faster than ever before.

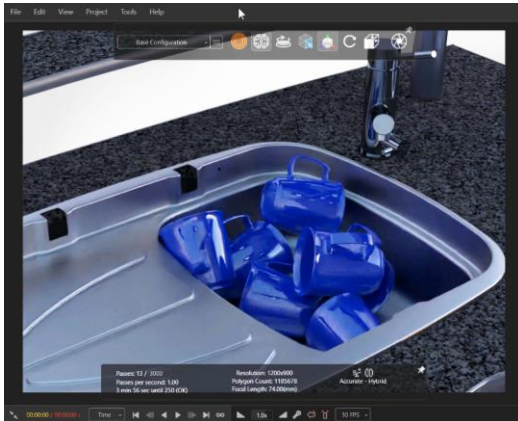
## 1. NEW 360-VR images and animations

- New for SOLIDWORKS Visualize Professional 2018 is the ability to create immersive **Virtual Reality images and animations**. Visualize Pro 2018 allows you to create ‘360’ cameras, which render out an interactive 360-spherical image, changing how you design, develop and deliver your products forever. This image can then be viewed with any VR headset or smartphone (from HTC Vive all the way to even a \$15 Google Cardboard).
- The coolest part about this new feature is you can also create animations for VR with this new 360 camera! No other visualization tool on the market gives you photo-quality VR animations. Blow your bosses’ and clients’ minds with camera flies, part animations, Sun Studies, even animated exploded views – all in **photo-real virtual reality**! Save a ton of money on expensive prototypes and win more business with this immersive new content in your Visualize arsenal. [Example 360-VR content here](#)



## 2. Integrated Physics & Driving Simulator (released 2019) [Link to video examples](#)

- Enable Physics with a few simple clicks and watch your items collide and fall, just like they would in real life. After Physics is set up, use the Shake tool to randomize or jitter the selected elements. This helps to add a natural touch to stacked plates, or rearrange pens in a cup, without having to manually move each part individually, saving hours of scene setup time. There's also saved Simulation States for you to choose which "shake" effect you like best to move to final render.
- For vehicle designers and engineers, we've also added a new Vehicle Driving Simulator to create driving footage or dynamic still shots of vehicles that don't even exist yet. You can even plug in an Xbox controller and drive your car concept throughout your scene, while recording the result for photo-quality driving footage! Or simply use the new Wheel Turn slider to add a dramatic touch to your image.



## 3. Configurations

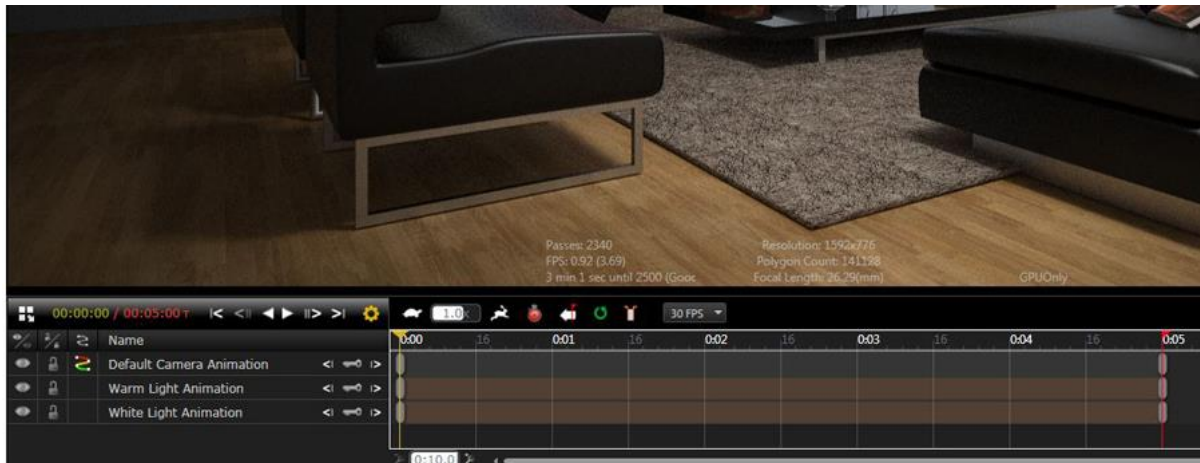
- Within a single Visualize project file, rapidly generate multiple design variations, product variants, material options, environments, camera angles and more, then click one button to automatically render out all Configurations at once. Very powerful tool for projects with multiple part/material options.



Model courtesy of DEVON watches

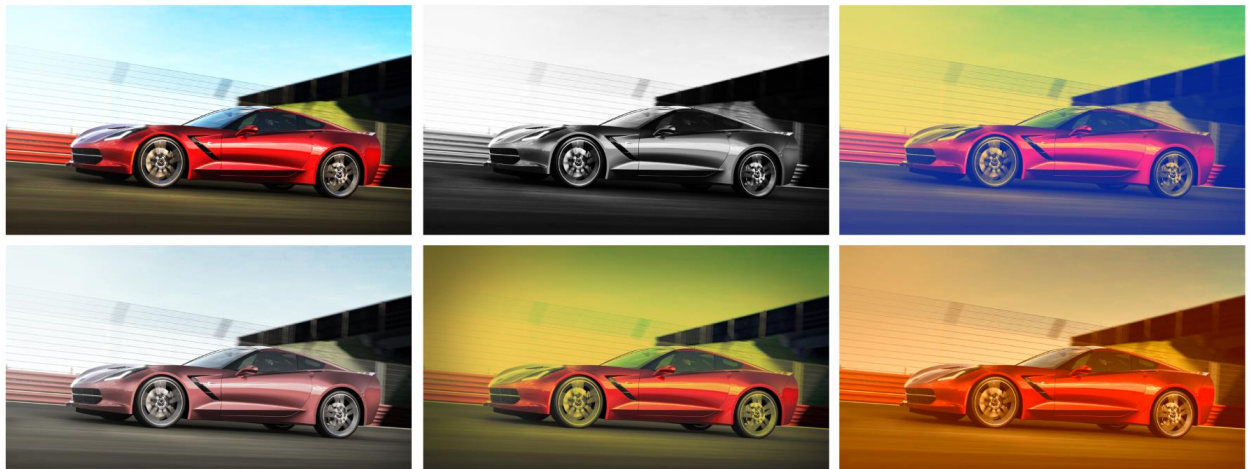
#### 4. Full Animation Suite (parts, models, appearances, cameras & environments)

- Simple one-click 360 degree turntable animations make this type of output a breeze to create.
- Part/Group/Model animations for animated exploded views, sequence animation, and more to explain complex mechanical movements and detailed designs. Also includes animation support to fade the opacity of geometry (new for Visualize Pro 2017).
- Camera animations with unique Animation Ribbon, which is an intuitive 3D representation of how the camera moves through the scene, making camera flies a snap to create.
- Sun Study output type allows Visualize users to see what the play of light looks like across their model throughout an entire day. This is perfect for interior designers who need to see how sunlight casts shadows from their interior concept throughout a complete day sun-cycle.



#### 5. Custom camera Post-Processing (camera filters)

- Unleash your creativity and add additional effects to your Visualize content with customizable camera filters (shown below) and the new Bloom Filter, perfect for glowing LEDs, lights and sun highlights.





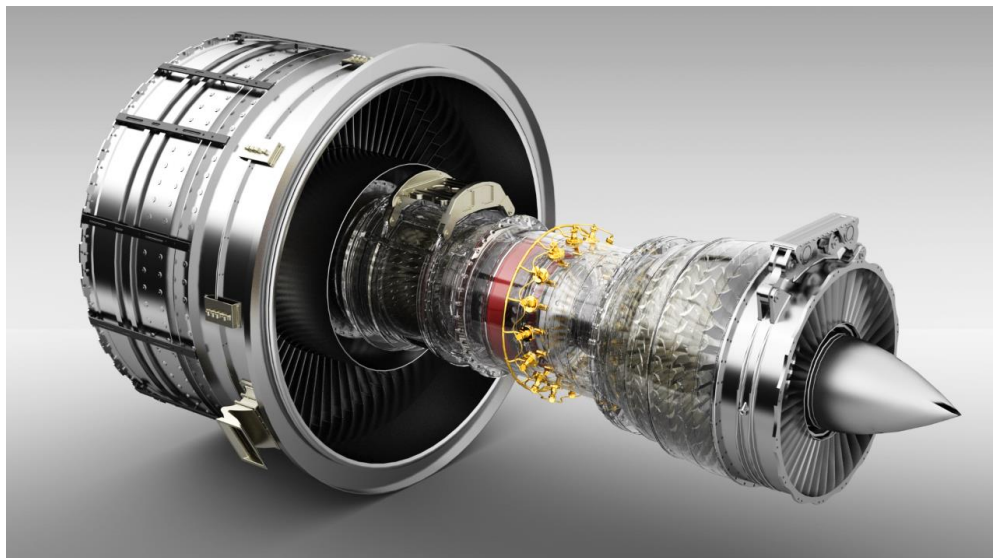
## 6. Render Queue

- Similar to a printer queue, stack up render jobs to send all at once, for example at the end of the day, to remain productive during work hours and allow all the renders to cook overnight. The integrated Render Queue instantly boosts productivity allowing you to never wait for a render to finish again.



## 7. Visualize Boost

- Visualize Boost is a new Add-on feature to Visualize Professional that will launch with our 2017 Visualize release. This is our Network Rendering package, which is an extremely powerful product for instantly increasing render speeds and content productivity. Visualize Boost allows users to send render jobs to a dedicated machine(s) which frees up their local machine to set up the next render job, update their model back in their original CAD package, or perform other actions that require graphics computation.
- Visualize Boost is a separate install and is recommended to install on dedicated render machines. It's super easy to set up, and also included is a web-based admin to set-up the Boost render cluster(s).
- **As an added value to our SOLIDWORKS Visualize Professional customers, we are going to include 1 free license of Visualize Boost with each seat of Visualize Professional! So if you have 10 seats of Visualize Professional, you'll have 10 free licenses of Visualize Boost!!**



HD-sized image completed in 3 seconds using Visualize Boost and dedicated render machine with 1x NVIDIA P6000