



# DEZIGNWORKS

THE STANDARD IN REVERSE ENGINEERING

OCCs' Jason Pohl says "With DezignWorks, we now have unlimited capabilities. We can reproduce any part accurately and do it fast."



*The OCC SolidWorks Chopper created by Orange County Choppers with SolidWorks Gold Partner Product DezignWorks.*

## Orange Country Choppers speeds reverse-engineering with DezignWorks software.

Orange County Choppers has garnered worldwide praise and recognition for their custom motorcycles. Established as a business in 1999, the shop grew out of Orange County Ironworks, a steel fabrication enterprise founded nearly 30 years ago by custom-chopper builder and rider Paul Teutul Sr. OCC jumped on the custom-bike scene at Daytona Biketoberfest 1999 with "True Blue," a classic chopper built in the basement of Paul Sr.'s house.

Since then, the company has continued to design and manufacture high-end customized choppers, specializing in theme bikes. American Chopper is a reality television program that chronicles the company's latest creations. The program can be viewed on the Discovery Channel, Mondays, at 10 PM EST. Orange Country Choppers is currently in the process of creating their own product line.



Recently, SolidWorks Express spoke with Jason Pohl, an artist/designer at OCC about the company's use of DezignWorks and SolidWorks® software.

*What process did your company use to complete reverse-engineering tasks prior to using DezignWorks?*

"Previous to using DezignWorks, we relied on a drafting board, calipers and a ruler."



*What challenge led you to consider/choose DezignWorks?*

"We needed to accelerate our CNC parts line."

*What type of digitizing devices are you using with DezignWorks?*

"We're using Faro rocks — we have two of them."

*Using DeZignWorks insures that all geometric elements are parametric, fully editable, and conform to the feature-based intelligence of SolidWorks software. What is the benefit of this capability?*

"It allows us to rapidly capture vital data that we could not capture with our existing process. We can then parametrically change the cosmetic values of the part. With DeZignWorks and SolidWorks fully integrated with one another, we're able to use assembly capabilities of SolidWorks to generate data for the shop floor."

*Why is it important to be able to conduct real-time reverse engineering on multiple parts and assemblies?*

"The fabricators will come to us with paper templates or existing parts. We now have the ability to digitize these parts and cut them out much faster and more accurately than with our previous method."

*Why is it a benefit that DeZignWorks is fully integrated into the SolidWorks property manager?*

"By being integrated into the SolidWorks property manager gives us constant feedback about the digitizing process. Probe movement as well as location and depths for cuts and extrudes. By using the locked plane or locked surface, wizard planes and surfaces are visible."

*How much faster is your design process with DeZignWorks?*

"200 mph or super fast."

*Does using DeZignWorks allow your company to accept jobs that it could not accept prior to using DeZignWorks? Please explain.*

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#### **About DeZignWorks and Creative DeZign Concepts Inc**

*Creative DeZign Concepts Inc develops and markets software for reverse engineering. It is the #1 supplier of Cad / Cam Products for the NASCAR Race Teams. Creative DeZign Concepts Inc is also a certified VAR ( value added reseller ) for Cad/Cam software such as SolidWorks, Cosmos, Edgecam and DeZignWorks. Being a certified manufacturing partner for SolidWorks offering reverse engineering services enables Creative DeZign Concepts Inc to use DeZignworks on a daily basis, constantly testing and implementing industry first technology. Located in Mooresville, NC ( Race City USA ) home of over 95% of the NASCAR Race Teams. Creative DeZign Concepts works with the NASCAR race teams on a daily basis to improve their performance. For the latest news, information, or a Webex demonstration, visit the company's web site ( [www.dezignworks.net](http://www.dezignworks.net) ) or for other Cad / Cam products visit ( [www.gocreative.net](http://www.gocreative.net) ) or call 1-704-660-5100*

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