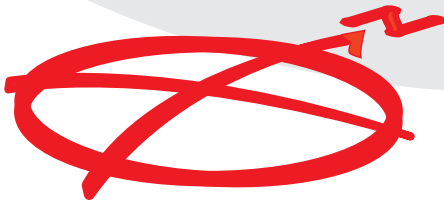




HAWK RIDGE SYSTEMS

CASE STUDY



COMPASS

COMPASS Product Design is an industrial design and mechanical engineering firm. Our philosophy can be summed in three words: Designs That Work. Designs that work in the marketplace, designs that work for the customer and designs that work on the manufacturing floor.

COMPASS creating value with SolidWorks

Decreased design process time by about 30%.

Saved \$40,000 in developments costs.

Eliminated errors introduced into the process during creation of fully dimensioned 2D documentation.

Increased ability to capture new projects and expand our client base.

Decreased prototype fabrication costs by about 40%.

Eliminated 25% of scrap through CAM integration.

Challenge Summary

We needed a low cost, intuitive parametric modeler for our Mechanical Engineering group. It was important to use software that provided surfacing capabilities, sheet metal features, and tools for injection molded parts design. The ability to convert the files to photorealistic renderings was an added bonus.

Solution Summary

SolidWorks was able to meet our needs while being easy on our pocketbook. It was intuitive and easy to use which enabled new hires to come up to speed quickly. The SolidWorks interface was much cleaner and easier to navigate than the other CAD packages, resulting in more detailed parts modeled in the same amount of time. Finally, SolidWorks has become the CAD

program of choice for our clients and this is a key element in getting hired for the project.

SolidWorks offered a wide range of fully-integrated add-on solutions which gave us flexibility to expand our capabilities. In addition, it was easy to share data in many different file formats. SolidWorks also had great assembly features like physical dynamics, collision detection, and smart mates. We could dynamically move components and do interference checks at various points to ensure optimal fit. And with SolidWorks eDrawings software, our clients can easily view the design without extensive training or cost and they can get a good sense of how their product looks and goes together before we build physical prototypes.

Because of the outstanding modeling capability, unique productivity tools, customer support, time-saving innovations, and ease of use of SolidWorks, we have



The Reliant Fraxel SR represents the leading edge of laser skin rejuvenation. Unlike old ablative lasers that remove the top layer of skin, the Reliant Fraxel SR produces tiny, microscopic sites of thermal impact.

CASE STUDY: COMPASS Product Design

been able to complete some very challenging design projects with aggressive schedules and budgets. The major upgrades routinely provided by SolidWorks are usually packed with improvements, often including enhancements that we have requested using the enhancement request form on the website.

SolidWorks models look great on screen and with PhotoWorks rendering software we can create photorealistic images that bring the products to life. Innovative surface manipulation and configuration tools have afforded us the luxury of producing multiple variations of a design, resulting in more

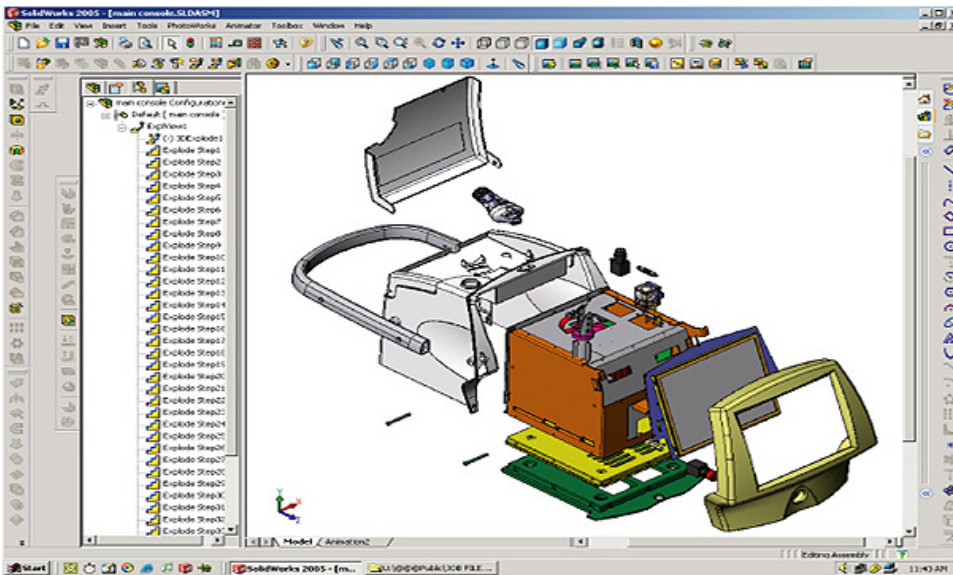
potential solutions.

With SolidWorks, we were able to produce a complex product from concept to trade show introduction in 16 weeks - significantly faster than using traditional methods. We were also able to effectively transfer and share model data with our client since they were using SolidWorks also.

Finally, the eDrawing feature was very popular with the client's program manager and upper management since they could be effectively involved with the development without being CAD experts.

"The ability to send a quality 3D CAD model to domestic vendors saved this client thousands of dollars they would otherwise have paid to produce fully dimensioned 2D documentation."

Curt Anderson
President



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About Hawk Ridge Systems

Hawk Ridge Systems, consistently exceeding customer expectations as a design technology partner by providing top tier customer service and innovative technical support.

By providing the largest and most knowledgeable SolidWorks support team in the country we help our customers successfully compete while shortening product development cycle times. Hawk Ridge Systems operates in 12 facilities throughout four

western states and British Columbia, Canada. All locations offer top tier technical support, training and professional services.

Our expertise has helped us quickly grow to be one of the top SolidWorks, Simulation, and PDMWorks providers in the world. We are an engineer heavy organization, which allows our customers to maximize their CAD, Analysis and PDM productivity, and return on investment.

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