

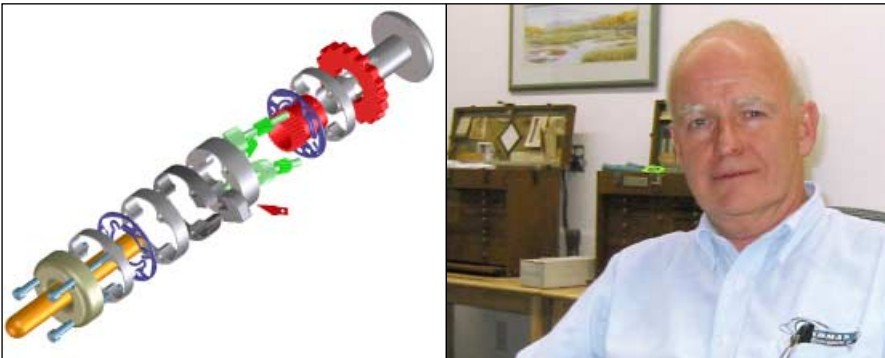


Cushman Engineering runs circles around the competition

The Situation

“Since CoCreate’s family of products are so simple to use, I can run circles around the competition.”

Robert Cushman, President of Cushman Engineering



Cushman Engineering’s Profile

Cushman Engineering Co. is the continuation of four generations of inventions and quality machine products, dating back to about 1898, when Everett B. Cushman began producing his long series of marine and farm engines.

Clifford E. Cushman, Everett's son, continued the tradition with many products that are still the standards in commercial and military aircraft, inertial harness systems, cable control systems and many other products. Clifford's son, Robert, re-formed Cushman Engineering Co. in 1975.

The Challenges

- Find an intuitive design tool
- Easily turn ideas into real designs
- Modify existing design data quickly

The Solutions

- OneSpace Designer Modeling
- OneSpace Designer Drafting

The Results

CoCreate products:

- Have paid for themselves many times over
- Design five times faster than other CAD packages
- Lets the design team to focus on the design instead the design tool
- Let users modify design data without worrying about a history tree



Cushman Engineering's competition does not let them spend a lot of time bringing products to market. So they need tools that help meet their customer's needs in record time.

For a long time, Cushman Engineering looked for a design tool that could quickly turn their thoughts into virtual drawings and models. During this investigation, they came across CoCreate's OneSpace Designer Modeling and Drafting. Once they learned more about its functionality, they knew it was what they needed. "CoCreate's OneSpace Designer Modeling and Drafting are vital for us," says Robert Cushman, President of Cushman Engineering.

Cushman Engineering says CoCreate's products are so simple to use that they can focus on getting their ideas to finished products instead of figuring how a tool is going to do it. "A good design system should effortlessly turn ideas into reality in the shortest possible time," says Cushman. "CoCreate's products provide exactly that. We are a company that cannot spend time worrying about how to use a design tool no matter how 'professional' it claims to be."

According to Cushman Engineering, CoCreate OneSpace Designer Modeling and Drafting have paid for themselves many times over. "In terms of cost per job, the cost is so small as to be negligible," says Cushman.

When Cushman Engineering has to make changes to a design in OneSpace Designer Modeling, they are not inhibited by the CAD tool. "When changes need to be made, without hesitation I modify the design without regard as to how I first made the model," says Cushman. "Since OneSpace Designer Modeling is not a history-based system,

we do not have to worry about the history tree in order to make design changes."

Today, the Cushman family has a history of almost 60 successful patents ranging from marine and farm engines to aircraft control devices to a vascular clip system. Some of their projects include tooling for GE Jet Engines, switch components for a medical infusion pump, and devices for the airborne laser program. "All of our designs are quickly and efficiently designed with the use of CoCreate's family of products," says Cushman.

Cushman Engineering recently designed a new generation hot dog slicer to be used at sporting arenas and stadiums. Since they have to serve many people quickly, food vendors at sporting events have to avoid the issue of under cooking. So the device was designed to decrease cooking time. The client specified that the unit had to be portable, hand operated, easily cleaned, non-corrosive, and assembled with an Allen wrench.

Cushman Engineering designed a device that met the client's needs. "We were able to design this hot dog slicer in record time because of OneSpace Designer Modeling," says Cushman. "We were ready to manufacture the entire unit with very little machining rework. Any other CAD system would have required five times as long to do the design. And that is a simple fact."

Cushman Engineering says CoCreate products are fun to use too. "CoCreate's family of products are so simple to use, that I am able to run circles around the competition," says Cushman. "Work, above all, should be downright fun. CoCreate products make my work fun and very profitable."

For more information, please contact us directly or visit www.cocreate.com.

Europe
Phone: (49) 7031-951-2222

USA
Phone: (1) 970-267-8000

Japan
Phone: (81) 42-352-5654

Taiwan
Phone: (8862) 2759 5505

Korea
Phone: (82) 2 559 0711

Singapore
Phone: (65) 550 9665

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