

## Trenz Manufacturing

# Mastercam Allows for Exponential Growth

*"Though Mastercam is very powerful, its ease of use is awesome. A person who might have begun here as a machine operator can often start 2-D toolpathing within an hour."*

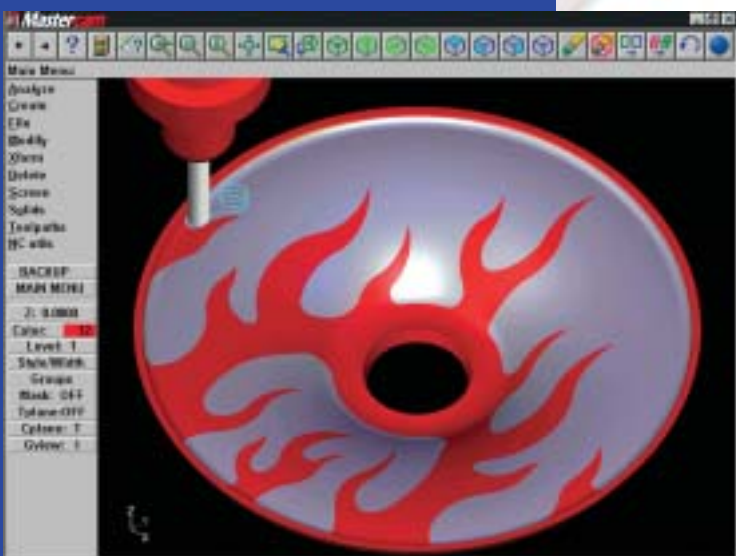
— Ernie Waldo  
Chief Operating Officer  
Somewhere, California

### CAD/CAM Swells Aftermarket Manufacturer's Bag of Tricks.

Trenz Manufacturing is an eight-year-old company with a history of exponential growth in product line, facilities, equipment and staff spurred by the imagination of its president, Doug DiBerti, and the equally imaginative use of advances in CAD/CAM. Starting production in 1992 on hand-tooled and -assembled billet grills in a single small building with just a few people, the company branched out and invested in its first seat of Mastercam. Now Mastercam controls all operations, including the function of an ABB robot which welds grill parts 24 hours a day.

From its modest start, Trenz is gearing up to build a 100,000 square foot major manufacturing facility. To prepare, Trenz purchased additional mills, lathes, robots and additional seats of the latest versions of Mastercam. "Mastercam allows us to draw anything we need: new accessories, machining fixtures, and customers' own designs," says Ernie Waldo, Trenz' Chief Operating Officer. "Its versatility and reliability give us bulletproof toolpaths for any of our machines, including our water jets."

The speed gained from Mastercam's associativity between CAD-drawn model changes and CAM toolpath generation has given Trenz the opportunity for development of a new line: the DeBerti 100% forged billet steering wheel. In addition to 13 stock designs, customers can furnish their own patterns to order one-of-a-kind solid billet steering wheels for their street rods. If changes are made in the design, Mastercam's associativity updates the appropriate toolpath sections to reflect the alterations. "The associativity is the key to our design and manufacturing process," Mr. Waldo notes. "Once we've got the tooling down, we can modify the part all day long without having to redefine all the machining parameters."



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