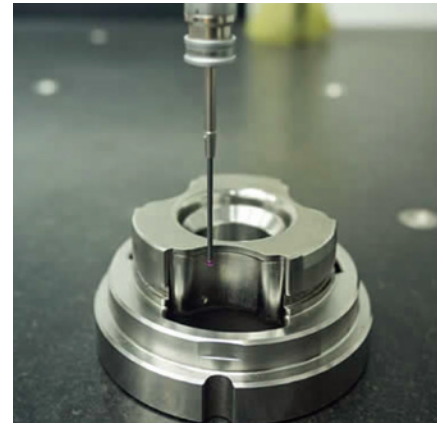


# XTREME CUT 230

Backed by QualiChem’s comprehensive technical support and service, XTREME CUT 230 proved to be the coolant of choice for this specialized metal fabrication manufacturer. In addition to eliminating issues with foam and odors, XTREME CUT 230 cut usage by 40%, resulting in a yearly cost savings of \$35,000.



## The Challenge

Founded in 1975, this company is a leading manufacturer of large medical devices and transportation equipment specializing in made-to-spec parts. They have a longstanding history of providing highly complex assemblies utilized in mission-critical cancer treatment applications.

They strive to provide their customers with best-in-class quality through continuous process improvements. Therefore, when they were experiencing issues with their coolants, they were open to QualiChem’s recommendation to test XTREME CUT 230.

Their current high oil coolant being used was causing excessive waste (due to the need for frequent dumping), high usage, foam, and biological odors. A competitor’s ester-based coolant was also tested, and found to be twice as expensive with continuous foaming issues.

QualiChem’s goal with XTREME CUT 230 was to eliminate the manufacturer’s coolant issues, and allow them to consolidate to one product. After a 2-month trial period of tracking usage, foam, and cleanliness of all 3 coolants, QualiChem’s XTREME CUT 230 eliminated all coolant issues. Their desire of consolidating to one product throughout their entire shop was accomplished.

## Process and Equipment

<b>MACHINES</b>	Mazak, Okuma, DMG MORI, KURAKI vertical & horizontal milling machines and lathes
<b>MATERIALS</b>	4140 & 4130 Steel, and 6061 & 7075 Aluminum
<b>INCUMBENT PRODUCTS</b>	High oil coolant and ester-based coolant
<b>OPERATIONS</b>	Milling, turning, and grinding

## The Trial

### QualiChem XTREME CUT 230 vs the incumbent coolants

The incumbent products were tested against XTREME CUT 230, and within 2 months, the manufacturer made the decision to use XTREME CUT 230 in all of their milling machines and lathes.

### The QualiChem Advantage

QualiChem provides comprehensive technical support and training for all of our products. Therefore, prior to starting the trial, a QualiChem Sales Engineer gave an in-depth presentation to all of the manufacturer’s employees to educate them on the fluid technology behind XTREME CUT 230. He also provided hands-on support during the trial period as well as with clean out and change over.

For more information or to request a free trial, please contact your local QualiChem Distributor or QualiChem Sales Engineer.

## The Solution

### XTREME CUT 230

#### Premium Series Semi-Synthetic

XTREME CUT 230 is a premium semi-synthetic fluid for machining and grinding ferrous and non-ferrous alloys. This universal fluid delivers the lubricity and versatility of a premium soluble oil, yet has the cleanliness and heat control of a synthetic. It is designed for use on a wide range of metals, making it well suited for job shop operations.

This fluid has excellent bioresistance, is low foaming, and runs clean leaving parts and machine tools residue-free. Its new generation of additive technology improves tool life and part quality without the problems associated with extreme pressure additives such as chlorine, sulfur, and phosphorous.

## The Results

### Running XTREME CUT 230, these benefits were realized:

- Cut usage by 40%, resulting in a yearly cost savings of \$35,000
- Eliminated foam and biological odors
- Superb cleanliness inside machines
- High operator acceptance
- Excellent customer service and comprehensive technical support from QualiChem and the local QualiChem distributor

