

Challenges

A leading manufacturer of threaded products was experiencing some corrosion and cleanliness issues with their current coolant. Two of the main problems were:

- **Sticky residue left on equipment**
- **Spot rust on threads**

Providing Solutions

After obtaining an opportunity to demonstrate a coolant in the thread rolling operations, Quaker introduced a product that seemed to meet the customer's requirements for both the application and price. The demonstration was a success and the use of the QUAKERCOOL® 2700 product ultimately resulted in:

- **Reduced concentration**
- **Lower total applied cost**

In addition to these benefits, the machine operators commented on how Quaker's fluid left the machines and parts much cleaner than the previous product and left no sticky residues.

Product Description

QUAKERCOOL® 2700 is based on solution-synthetic technology and is suitable for the machining and grinding of steel, alloy steels and cast iron. It is designed for operations requiring a high degree of cleanliness, detergency and cooling. QUAKERCOOL® 2700 can be used in a variety of operations:

- **Light to medium-duty machining**
- **Light-duty grinding**
- **Thread rolling**

This product also features the following benefits:

- **Water-based**
- **Low-foam**
- **Corrosion protection**
- **Excellent pH**
- **Tramp oil rejection**

Process & Equipment

Part:	Threaded Rods
Material:	Low carbon steel
Concentration:	9 - 10%
Machines:	Acme
Specific Operation:	Threading

Product & Process Expertise

Metalworking lubricants represent a very minor part of the costs in a metalworking process, typically less than 1%. This case illustrates the importance of correct fluid selection. The impact of the fluid can be a multiple of its costs, making the price of a metalworking fluid insignificant. That is why Quaker focuses on developing fluids with the highest performance without compromise, fluids that sharpen your competitive edge.