



## Delivering Long-Term Value for CNC Machining Operations

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**By educating customers on coolant best practices, Quaker helps customers manage their costs for the long term**

CONSHOHOCKEN, Pa., Jan. 10, 2012 /PRNewswire/ -- Computer Numeric Control (CNC) machining is when the functions and motions of a machine are controlled by an automated program. CNC is beneficial in machining and grinding operations because of its high accuracy, short production time, and greater flexibility. It can be used for multiple types of metals, but requires a metalworking fluid that provides a high degree of lubricity.

When Bahrat Electronics Limited (BEL) -- a state-owned electronics company manufacturing advanced electronic products for the [Indian Armed Forces](#) -- was experiencing problems with their metalworking fluid performance, tool life, hazardous waste generation and coolant odor in their CNC machining center, they turned to Quaker Chemical experts for help.

After analyzing the situation which involved the machining of brass parts, Quaker recommended switching to QUAKECOOL® 3890 -- a [metalworking fluid](#) designed for non-ferrous, medium-to-heavy duty [machining and grinding](#) operations requiring a high degree of lubricity, cleanliness, cooling, and corrosion protection -- for all CNC machining operations. The change to QUAKECOOL® 3890 offered improvements from day one, including increased tool life, reduction in hazardous waste generation and elimination of bad odors. BEL continues to experience these positive results 24 months later, with no change out of product -- providing additional cost savings in process fluid purchases.

"Since the changeover to QUAKECOOL® 3890," said Kubera Naik B V., Manager/ CFF at Bharat Electronics Bangalore site, "we have experienced elimination of [bad odors](#), which had been a major problem, and increased sump life while maintaining tool life, [finish](#), and operator friendliness."

As additional support, Quaker's technical experts provided on-site training related to [metalworking fluids](#), to share best practices in [coolant management](#) and help the customer better understand the subject matter.

"We are very happy with the day-to-day service, the prompt technical support, and efforts being extended to ensure total customer satisfaction from Quaker," comments Mr. Naik.

For more information on [Quaker Chemical](#), and its full [product line offerings](#), including [Chemical Management Services](#), please visit [quakerchem.com](#).

*Quaker Chemical Corporation is a leading global provider of process chemicals, chemical specialties, services, and technical expertise to a wide range of industries -- including steel, aluminum, automotive, mining, aerospace, tube and pipe, coatings and construction materials. Quaker's products, technical solutions, and chemical management services enhance customers' processes, improve product quality, and lower costs. Quaker's headquarters is located near Philadelphia in Conshohocken, Pennsylvania.*

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