Environmentally friendly aluminum cleaner out performs the competition

An international company that manufactures deep drawn aluminum extrusions used in the aerospace, automotive and military market was mandated to change from a toxic chlorinated solvent to an aqueous degreaser because of health and environmental issues.

This company wanted to test products from several vendors and we recommended our Emerald Acid Clean #1 (EMAC1). The results were clear and consistently favored the EMAC1. As well as outperforming the competitor’s chemistry and it was easier to control.

Why Emerald Acid Clean #1?
Emerald Acid Clean #1 is a citric acid-based soak, ultrasonic, spray cleaner that may be used for the removal of a variety of soils and oxides from aluminum, stainless steel, steel, cast iron, copper, brass, Monel, and other high nickel alloys.

Emerald Acid Clean #1 contains a high percentage of EPA’s designed for the environment (DfE) acceptable surfactants and solubilizers, designed to remove forming lubricants, machining oils, and light rust or scale from these substrates. It is also effective for lime scale removal.
Results

1. The EMAC1 thoroughly cleaned and removed any traces of the stearate lubricants without etching the aluminum.

2. It was easier for contract plating company to anodize because of the superior cleaning of the EMAC1.

3. There was a significant reduction of the cleaning process with a controlled etch rate.

4. Increased productivity without increased equipment and unnecessary steps.