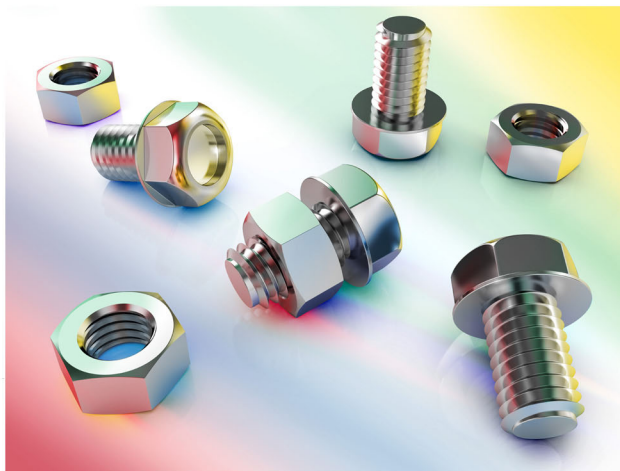


# Lubricants & Surface Preparation Roundup

## High-Performance, Bio-Based Fastener Machining Lubricants

“Two high-performing, bio-based lubricants for the machining of fasteners are now available from Acculube. They are NuCut Plus and NuCut Lite. Both are part of the Castrol Performance Biolubes product line. “NuCut Plus and NuCut Lite are ideal for cutting, grinding, milling, tapping and reaming operations, and for sharpening high-speed steel and carbide tools. They are well suited for the machining of fasteners manufactured from all metals. Formulated with plant-based oils, they are chlorine-free, with low volatility and high flash points. NuCut Plus and NuCut Lite provide lubricity superior to conventional mineral-based cutting oils, so feed rates and productivity are maximized. They are proven to improve centricity, accuracy and part run-out. Their cooler operating temperatures minimize smoke and allow higher operating speeds.

“NuCut Plus has a natural viscosity index that helps it maintain viscosity in high-temperature operations without additives. It is a truly multi-purpose product, usable both for cutting operations and for machine lubrication, and is helpful for companies seeking to become ISO-14000 certified. Both products improve fastener surface finishes and improve the overall quality of parts by minimizing tool or wheel pressure.



Fasteners treated with lubricants from Acculube.

“Castrol Performance Biolubes are bio-based products that can help reduce workplace issues of dermatitis, odor and misting. They are nonstaining to most metals and easy to clean up. Castrol Performance Biolubes have been endorsed by major machine tool manufacturers. Acculube is a leading distributor of branded

lubricants and chemical products for fastener and general manufacturing. Its products include traditional, semi-synthetic, full synthetic and biodegradable products.

“To receive additional information and technical specifications on the high-performance, bio-based fastener machining lubricants available from Acculube, visit the company’s website listed below.”

[www.acculube.com](http://www.acculube.com)

## Cleaning Systems Using Specialized Immersion Cleaning Technology

Information from Magnus Equipment, Willoughby, OH, USA, says, “Magnus Equipment has a rich 90-year history in the design and manufacture of industrial parts cleaning systems using specialized immersion cleaning technology. Standard and custom systems are engineered for parts cleaning, degreasing and metal treatment using both aqueous, safety solvent and ultrasonic processes. Parts cleaned range from tiny, intricate precision items to entire engine blocks to spools of wire. Magnus Equipment’s cleaning processes maximize cleaning effectiveness with minimal chemical and water usage and waste generation. This quality-focused attitude concludes in construction of the company’s robust cleaning systems.

“The 2004 merger of Magnus Equipment and Power Sonics LLC, added ultrasonic capabilities to Magnus tanks as well as offers new, innovative machines to the marketplace. Magnus Equipment and Power Sonics can provide endless combinations of agitation, soaking and ultrasonic processes. The company differentiates product lines by process function to facilitate purchasing decisions.

“To learn more, visit the website below.”

[www.magnusequipment.com](http://www.magnusequipment.com)

## Aqueous Cleaning Systems for Cold Formed Parts

Information from National Machinery LLC, Tiffin, OH, USA, says, “National Machinery, the world leader in the design, development and manufacture of cold and warm forming machines that produce metal parts from coiled wire, bars, slugs or preforms, offers cleaning equipment including the full line of CTG/Ransohoff aqueous cleaning units for cold formed parts.

“National Machinery also provides customer support that includes machine service, replacement parts, remanufacturing, tool design assistance and operator