

Nontoxic Cleaners Replace Toxic Chemicals

P&D Creative Co.'s Magic 555 cleaners and degreasers use "colloidal technology" designed to remove grease, oil, carbon, grime and factory soils from surfaces without the use of toxic solvents, acids or caustic chemicals. According to the company, the active ingredients are natural, and the products are safe, non-irritating, non-caustic, non-corrosive, non-allergenic, bacteria-free, phosphate-free and biodegradable. They are suited for use in a variety of industries, including automotive, mechanical, manufacturing, refinery, power plant, food and pharmaceutical.

:: P&D Creative Co. Inc.
301-797-3503
pdcreative.us



Multi-stage Pretreatment Prepares Parts for Finishing

Designed to prepare parts for painting, plating or other industrial finishing processes, Therma-Tron-X's multi-stage pretreatment systems use spray, immersion or combination methods to remove dirt, oils and contaminants from part surfaces, and then apply phosphate or conversion coatings to help prevent corrosion and increase paint adhesion.

The systems can be fabricated using mild or stainless steel. Slotted roof designs protect conveyor lubricant from contaminating parts, and piping and nozzles are fitted with quick disconnects for easier maintenance. The pretreatment systems also are PLC-controlled, have automatic startup and shut down programs, and are designed with computer-aided rinse ratios that enable reduced water usage and, in some cases, create a zero discharge system, the company says.

:: Therma-Tron-X Inc.
920-743-6568
therma-tron-x.com



Magnetic Filtration System Boosts Efficiency

The Automag Compact fluid filtration system from Eclipse Magnetics features a high-intensity, automated magnetic filter designed to improve efficiency on small-to-medium-sized precision metal machining processes such as grinding, honing, milling or super-finishing.

According to the company, this technology provides the time-saving efficiencies of automated cleaning but with reduced investment costs over other high-performance automated filtration systems. It also can be retrofitted seamlessly into existing machining processes.

The Automag Compact system features a high-intensity magnetic circuit designed to extract potentially damaging ferrous particles (down to sub-micron size) from industrial fluids such as lubricants and coolants. This results in improved surface finish, reduced product rejects, increased fluid lifespan, reduced downtime and extended tool life, the company says.

The automated cleaning function is designed to save maintenance time and ensures that production is not interrupted. A timed signal activates the cleaning process, the magnetic rods are withdrawn from the filter chambers, and the ferrous contamination is purged to a tank or reclaim unit.

:: Eclipse Magnetics Ltd.
905-401-8497
eclipsetoolsinc.com

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