

Eriez® HydroFlow® Offers a Wide Range of Metalworking Fluid Management and Recycling Equipment

Erie, PA — Eriez® HydroFlow®, a provider of expert metalworking fluid management solutions specifically geared to the type and brand of fluid in use in facilities across the world, offers a vast product line of fluid recycling equipment. Eriez products assist customers in recycling their fluids to enjoy a 40 percent to 80 percent reduction in fluid purchases and a corresponding decrease in disposal costs.

Eriez' **CRS Fluid Recycling Systems** are self-contained coolant and fluid management systems capable of recycling any water-miscible fluid to its maximum potential. These systems can include separate dirty and clean tanks, automatic proportioner mixers, oil removal devices, coalescers, liquid-from-liquid centrifuges and pure water sources. Products in this line of systems include the **CRS 120ST stacked** with a high-speed centrifuge for complete recycling of any metalworking coolant, the **CRS 300ST stacked** with an even larger centrifuge and higher processing rate, the **CRS 120SS side-by-side** to provide the basic requirements of fluid recycling with water-miscible coolant and cleaner products that reject tramp oils, and the **CRS 300SS side-by-side**, which offers recycling for medium-to-large sized metalworking plants equipped with machine tools using individual coolant sumps.

For continuous media-free filtration, Eriez offers **Solids-from-Liquid Centrifuges**. To efficiently remove solids that collect in individual machine tool sumps and in large central systems, these centrifuges provide continuous media-free filtration of both metallic and non-metallic solids from industrial fluids. Typical solids-from-liquid centrifuge applications include machining, grinding, sawing, high-speed centrifuge pre-filtration, rolling and tube mills, water jet cutting, de-scaling operations, wire drawing, parts washers, quench tanks, UF pre-filtration and precious metals recovery. Solids-from-Liquid Centrifuges can remove solids typically missed by barrier filtration and reduce or eliminate costly filter paper, bags and cartridges.

To filter and remove solids, Eriez has a wide set of **Sump Cleaners** as well as **Magnetic Chip Conveyors** and **Magnetic Coolant Cleaners** for machine shops working predominantly with ferrous metals. Eriez Sump Cleaners rapidly remove fluid, sludge and chips from the sump, filter the sludge and chips from the fluid with a reusable integral filter liner, and either return the filtered fluid to the sump or transport the fluid to a CRS Fluid Recycling System. In just ten minutes, Eriez Sump Cleaners can completely clean 120 gallons of coolant and 700 pounds of sludge. Eriez' Magnetic Coolant Cleaners are excellent to use for extracting ferrous particles from coolants to help meet tolerances and surface finish in grinding and metal-cutting operations. **Eriez' Tuf-Trac™ Conveyors** continuously extract ferrous chips and feature heavy-duty construction for years of trouble-free operation.

Reducing tramp oil is a high priority for all metalworking shops, which is why Eriez offers several products for removing tramp oil. The **Portable Tramp Oil Separator** provides small metalworking plants with high-speed centrifugation, recycling fluids at the sump by placing both the suction and return hoses directly into the machine sump, removing free and emulsified tramp oils from water miscible coolants and aqueous cleaners. **Self-Cleaning Centrifuges**, designed for central fluid systems, pull the fluid, remove tramp oils and small fines and return clean fluid to the central system. **Portable Coalescers**, created for plants with multiple machines needing simple and low-cost tramp oil separators, use an oleophilic coalescing plate pack media to remove oils effortlessly and efficiently. **Tank Side Coalescers** are small and inexpensive sump-side coalescing units allowing oils to rise naturally by providing a quiescent area not available in a turbulent sump. And, Eriez' **Surface Oil Skimmers** feature an oleophilic belt and a unique method of stripping the separated oil from both sides of the belt without contact with a stationary scraper.

The **Eriez Proportioner** and the **Drum Top Mixer** are two products that can be used for controlling concentration. The Eriez Proportioner is a water-driven, positive displacement proportioner dispensing coolant on demand at the desired concentration. The Drum Top Mixer is ideal for combining water with coolant concentrates. Water flowing through the unit creates a vacuum that siphons concentrate from the drum.

Eriez offers a number of different **Refractometers** as measurement tools to ensure accurate concentration. Eriez, as an advocate for the use of pure water for optimized coolant performance and longevity, can also provide plants with a complete reverse osmosis system.

Complete Fluid Filtration Systems are available through Eriez, with multiple HydroFlow filtration solutions, including Automatic Vacuum Filters, CBN Vacuum Filters, STAR Filtration Systems, Centrifuge Filter Systems, Gravity Filter Systems, Magnetic Drum Separators, Hydrocyclone Separators and Custom Transfer Equipment.

To learn more about Eriez' fluid recycling equipment and to download the fluid recycling brochure, visit <http://www.eriez.com/Markets/Index/Eriezfluidrecyclingequipment>.

Eriez is recognized as world authority in separation technologies. The company's magnetic lift and separation, metal detection, materials feeding, screening, conveying and controlling equipment have application in the process,

metalworking, packaging, plastics, rubber, recycling, mining, aggregate and textile industries. Eriez manufactures and markets these products through 12 international facilities located on six continents. For more information, call toll-free (888) 300-ERIEZ (3743) within the U.S. and Canada. For online users, visit www.eriez.com or send email to eriez@eriez.com. Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.