



**COMPREHENSIVE
.....
F R I C T I O N
.....
M A N A G E M E N T**



Whitmore is a market leading provider of innovative friction management solutions for the rail industry. We deliver tailored solutions to effectively address and resolve issues at the wheel and rail interface.

WE BRING

IT ALL

TOGETHER.



Our goal is to exceed customer expectations by providing high-performance, cost-effective, and reliable rail lubrication. We are committed to working together with the rail industry to develop the best in rail lubrication. Our dedicated team of designers, engineers, and sales professionals work closely with industry partners, integrating their feedback to find the perfect balance of technical innovation, cost-efficiency, and practicality.

As one of the few companies that manufactures rail lubricants, friction modifiers, and rail equipment, Whitmore is uniquely equipped to showcase how our friction management solutions can save you time and money.

Performance Lubricants

BIORAIL®

A biodegradable rail curve lubricant that proves you don't have to compromise performance in order to be environmentally responsible. BioRail has proven itself, not only in the laboratory, but where it counts - on the rail. Its stable chemistry ensures that it pumps in the coldest climates and stands up at the wiping bar in all weather conditions. Rail carry is up to four miles under most conditions, and BioRail stays on the rail even during heavy rain.

RAILARMOR®

Railroads incur significant costs grinding and replacing rails because of the enormous friction at the wheel-rail interface and excessive fuel consumption. RailArmor, an extreme-service rail curve grease provides superior protection that extends rail and wheel life and reduces consumption costs. This lubricant raises the bar in critical performance areas, such as rail adhesion, rain resistance, wear protection and carry down from the wiping bar; consumption can be reduced as much as 50%.

RAILMASTER® LFG

A performance rail grease that gives maximum protection to rails and wheel flanges. Railmaster LFG contains high grade graphite instead of molybdenum disulfide for economy without loss of performance.



EZ SWITCH®

Offering a tough, durable, long-lasting shield of protection, EZ Switch coats the switch plate and reduces wear. As the switch operates, the coating becomes denser in the contact area, enhancing wear protection. EZ Switch can be applied to wet switches and resists rain; this lubricant becomes more resistant to rain as it dries.

EZ Switch Clear is a biodegradable version of EZ Switch, it is especially useful near waterways, where a clean, biodegradable product is preferred.

Friction Modifier

TOR ARMOR®

A revolutionary top of rail friction modifier specifically designed to provide optimum friction at the wheel-rail interface, substantially reducing noise, wear and lateral forces. High lateral forces lead to loosened tie plates and fasteners and can result in low rail rollover; TOR Armor greatly reduces lateral creep, and when wheel creep occurs, it immediately increases positive friction, reducing the creep condition and returning the wheels to a healthy rolling motion. The result is a substantial reduction in vibrations, corrugations and high-frequency squealing. While TOR Armor is engineered for use on heavy haul freight and transit rail applications, it also acts as a lubricant during normal rolling.

Rail Equipment

ACCUTRACK® *(offered outside Europe)*

An electric trackside applicator that provides technological advancements that mechanical and hydraulic applicators can't offer. Using Accutrack can reduce the total applicators required for complete lubrication coverage of an area compared to older, non-electrical applicators. These innovative applicators can be powered by a combination of sources. The units offer optional add-ons - patented weight recognition for level control and remote monitoring allowing you 24/7 access to performance.

ELECTRO™ 10 and 20

Electric trackside applicators that provide technological advancements mechanical and hydraulic applicators can't offer including twin rail blades for multi-curve rail lubrication. Ideal for reverse curves, one unit can replace multiple existing applicators. The robust galvanized cabinet houses the main components of the applicator. With systems pumping from 8 to 15 meters the cabinet can be located in a place of safety for easy maintenance and filling. A twin chamber pump with direct gravity feed from the reservoir means there is no residual grease left in the reservoir. The grease is pumped to blades via twin output hoses, which allows blade staggering on left and right rails for optimum grease pickup. Precise grease output is provided by a patented stepped control box.



ELECTRO™ 5

A smaller and lower capacity electric trackside applicator with similar features to Electro 10 and 20. Electro 5's smaller cabinet means the full benefits of an electric rail applicator can be utilized in areas where space is limited. The cabinet can be installed on a pole, wall, handrail or onto sleepers. In addition, the system can be powered by solar panels or electrical mains and offers full flexibility in all areas. Electro 5 can be used as a gauge face applicator with EasiBlade™ and EasiCheck™ blades or as a friction modifier TOR applicator with PolyTOR™ blades.

LUBRICURVE® PD50

A simple, efficient mechanical trackside applicator that provides high performance with low maintenance. Reservoirs are robust, durable, lightweight aluminum and designed for quick fill. Sizes available include 6kg, 9kg and 37kg. LubriCurve PD50 is easy to install and suitable for all types of rail profile. A patented positive displacement pump dispenses a consistent grease volume ideal for high or low speed traffic with minimal plunger movement. This ensures reduced wear on plungers and results in less maintenance. With this applicator, grease output isn't speed dependent and can be set for low output, a factor often essential for light rail and tramway lubrication. Distribution blades can be supplied in various lengths and the modular design enables easy installation and replacement with minimal blocking.

EASIPOINT™

Developed as a cost effective, true alternative to canister lubrication for S&C. The EasiPoint system incorporates both EasiPump™ and EasiBlade™ technology, which allows for quick and simple installation and maintenance. Both pump and blade can be pivoted away from the rail face for grinding with no loose parts and then refitted easily and quickly.

EASIBLADE™

Specially designed wiping blades for quick, easy installation and maintenance for all types of running rail worldwide. EasiBlade comes with 8 or 16 large ports and wide grease channels to reduce grease blockages and the simple removal of bolts exposes the inside of the blade for fast cleaning. The blades unique pivoting mechanism allows lowering of the blade for rail grinding without removal of any parts. This reduces time and component losses. EasiBlade can be used with any make of electric, mechanical, hydraulic or canister rail applicators.

POLYTOR™

A top of rail wiping blade that offers protection and resistance to impact that no other blade can match. These top of rail blades are specifically designed for friction modifiers. PolyTOR has a proprietary and patented technology that gets the majority of your friction modifier on the rail instead of being splashed onto the field.

LUBRICATION MANAGEMENT SERVICES

Whitmore's lubrication management program offers tailored solutions designed to reduce the overall cost of lubrication. Customers can choose from a variety of options to enhance and sustain lubricant performance and longevity. The program includes rail lubrication site surveys, rail friction measurement services, rail and wheel wear assessment, tailored rail lubrication training, and comprehensive installation and maintenance services.

