



BROCHURE

L.B. Foster | Rail

Innovating to Solve Global Infrastructure Challenges



Rail Products

L.B. Foster has a long, proud history as a distributor of quality infrastructure products. Today, we are a leading, one-source supplier and manufacturer of railroad products for mainline, transit, mining, port, and industrial rail systems worldwide.

Our experienced professional team can also provide the management services necessary to specify the most innovative rail materials for your project and deliver them to your jobsite on time.

New and Relay Rail

L.B. Foster is the market leader in the distribution of new rail throughout North America. We can supply new rail, relay rail (used), track maintenance parts and accessories. Sourced from several major U.S. mills, L.B. Foster provides rail sections from 12 LB to 175 LB, typically in lengths of 39 FT, 40 FT, 78 FT and 80 FT, depending on the rail section weight. We also offer continuous welded rail (CWR) delivered to the jobsite on our own trains and with unloading services.

Insulated Rail Joints

Allegheny Rail Products designs, manufacturers, and supplies insulated rail joints and associated products for domestic and international railway applications, including our ultra long life aramid insulated ENDURA-JOINT®, and the polyencapsulated insulated TOUGHCOAT® joint. L.B. Foster's ISO certified facilities in Pueblo, Colorado and Niles, Ohio also produce complete joint assemblies and bonded insulated joint kits that are designed for field installation.

Transit Products

Our Transit Products group provides heavy, commuter and light rail systems with direct fixation fasteners, contact rail, coverboards, concrete insets, end approaches, ballast mats, and other related products. Engineering and product testing services are also available from the L.B. Foster advanced testing facilities in Suwanee, Georgia. worldwide.

L.B. Foster designs and develops laboratory proven and field validated products that offer unique advantages to trackwork engineers and maintenance personnel.



L.B. Foster designs and develops laboratory proven and field validated products that offer unique advantages to trackwork engineers and maintenance personnel.

Rail Technologies

L.B. Foster has developed a wide range of proprietary systems to control friction between the wheel/rail interface for freight and transit rail applications. Our friction management products and delivery systems provide substantial cost benefits by maximizing equipment performance, minimizing wear at the wheel/rail interface and improving fuel efficiency.

Friction Management

L.B. Foster friction management solutions decrease costs and improve performance by reducing, increasing or controlling friction at the wheel/rail interface. Our friction management products are available in liquid and solid stick forms.

Trackside Equipment

L.B. Foster manufactures rail lubrication dispensing equipment for all rail applications. Our rugged rail lubrication, adhesion control, and friction modification dispensing equipment is manufactured to withstand the ongoing rigors of trackside use.

Friction Modifiers

L.B. Foster's KELTRACK® Friction Modifier is engineered to control friction at the wheel tread and top-of-rail interface. The liquid is dispensed through our proprietary wayside or on-board systems. L.B. Foster offers different formulations to accommodate the specific requirements of freight and transit applications.

High Performance and Biodegradable Grease

Through our numerous partnerships with grease manufacturers, L.B. Foster offers a wide range of products to suit your needs. Our unmatched level of industry experience can help us to determine the optimal grease for any system or problem.

On-Board Solutions

We also provide a wide range of on-board friction modification, in both solid stick and liquid form.

Field Services

L.B. Foster offers the expertise required for solving a variety of wheel/rail interface issues utilizing analysis techniques. We provide sophisticated and detailed monitoring of friction control performance and measurement/tracking of lateral/vertical forces, friction levels, rail wear, fuel consumption and rolling contact fatigue development. Our team also provides equipment installation, comprehensive equipment maintenance, bulk filling, and on-call service support.



Control, Display & Security

L.B. Foster Control, Display & Security (CDS), provides European markets with engineering and technology solutions for the transit, control room, and customer information and display sectors.

The Company specializes in manufacturing control panels for rail signaling and nuclear power station control and display systems that we are specified for use in numerous major rail and power industry control rooms worldwide.

L.B. Foster's solutions deliver real-time information on arrivals/departures, way finding, and information display for passengers and customers traveling in transit terminals. L.B. Foster also specializes in data collection and analysis, developing a number of bespoke operational management solutions for its customer base.

L.B. Foster also provides telecommunications and security systems integration and has a developing suite of products enabling operators to monitor their infrastructure effectively.

Our European Rail Technologies Group is a world-class engineering solutions business providing safety, reliability, and performance of critical infrastructure.



PRODUCT AREAS

- > Control Panels
- > TEW 24 Mosaic Mimic System
- > Screen Display
- > Relocatable Equip. Buildings
- > Trackside Location Cases
- > Customer Information Systems (CIS)
- > Operation Information Systems (OIS)
- > Digital Pro Media
- > Interactive Display and Kiosks
- > Driver Only Operation (DOO)
- > Overt and Covert Security Level Crossing Safety (LIDAR)
- > Bridge Strike Monitoring
- > Remote Condition Monitoring
- > Solar Powered HD CCTV

Rail Condition Monitoring

Total Track Monitoring is an advanced technology product and service provider to the worldwide rail transportation industry. Total Track Monitoring's condition monitoring equipment administers concurrent data and dispatches critical information to railroads regarding their track and rolling stock performance.

Real-time monitoring of rail infrastructure, maintenance and rolling stock is critical for today's transit, mainline and industrial railroads.

WILD IV

The WILD IV is a hardened electronic data collection device that measures vertical and lateral wheel forces via rail-mounted strain gages. The WILD IV measures impact forces caused by damaged wheels or other hazardous conditions. High-impact forces damage vehicles, cargo, and infrastructure. Sophisticated analysis of impact data allows the WILD IV to additionally report accurate vehicle weights and monitor for truck hunting, overloaded cars, and both front-to-back and side-to-side imbalanced loads.

Rockfall Monitoring

Rockfall Monitoring uses LiDAR technology to scan above the track for rocks and obstacles that pose a risk to trains. If a rock or obstacle of critical size is detected on track, a relay is dropped, and controllers are remotely alerted about the size and location of the obstruction.

Flood Monitoring

Flood Monitoring is a 24/7 wireless inspection system that detects high water levels in flood-prone areas, helping to detect flooding near rail in real time.





L.B. Foster

United States 800 255 4500 or 412 928 3400
International +44(0) 114 256 2225

lbfooster.com

