

# Holland<sup>®</sup>

## Maintenance of Way



Founded in 1935, Holland has been a leader in progressive and comprehensive solutions spanning the rail industry for nearly 85 years.

We're known across North America as the premier provider of flash-butt welding services and lead the way in track geometry measurement and track maintenance and construction. Our full portfolio of innovative Maintenance of Way services keeps Class 1, Short Line and Transit rail systems across the world running safely and efficiently by giving them the ability to move beyond find and fix to plan for maximum uptime.

# WELDING

## Mobile Flash-Butt Welding

With the largest mobile flash-butt rail welding fleet in the world, we pride ourselves as pioneers in developing high-quality and cost-effective flash-butt welding technology solutions. Our Intelliweld® Control System provides an unmatched degree of accuracy and quality in the production of rail welds.



## Fixed Plant Welding

Each of our fixed plant welding facilities operates with high production equipment and experienced personnel. Our facilities are capable of creating continuous welded rail strings in custom lengths, to be loaded onto rail trains for transport to various locations. Holland also offers rail trains, unloader cars and rail unloading services. The fixed plants are AAR M-1003 certified.



## Laser Welding

Holland's LaserWelder™ service includes pre-weld material removal using plasma cutting and robotically controlled hot wire laser cladding (welding) to build back the damaged area. This process provides improved welding through lower heat input on parent material. The resulting repair is higher quality, longer lasting and can be completed two to three times faster than a traditional repair weld.

## Thermite Welding

Thermite rail welding has, and continues to, occupy a significant share of the rail welding market and is a viable option to flash-butt welding when considering clearance and track occupancy restrictions.

# RAIL MEASUREMENT SYSTEMS AND SERVICES

## Argus™ Track Measurement System

Holland's Argus revolutionizes the world of track geometry measurement. Full track geometry and optional rail profile measurements are provided in a low cost, low power and lightweight package. Argus configurations include UGMS systems, Hang-On systems for hi-rail vehicles, and our TrackSTAR® contract testing vehicles.



## Contract Testing

Holland's fleet of track testing vehicles is designed to satisfy the track geometry and rail profile measurement requirements of Class 1, Regional, Short Line, and Transit properties in North America. Our track geometry is in compliance with FRA Class 5, Transport Canada, and customer-specific requirements to provide the most accurate assessment of track conditions. Simultaneous rail profile measurement provides valuable rail wear conditions, while data generated by our split load axles identifies area of weak track structure.

## Rangecam Reporting Software

Holland's track data analysis software, Rangecam, gives track planners a comprehensive tool to access useable information from collected track geometry, track strength, and rail profile measurement data. Tie installation planning based on reported track strength and rail replacement planning based on rail wear trends over time or tonnage are just two of the features of the software.

# TRACK MAINTENANCE AND CONSTRUCTION

## Cut and Slide

We've turned thousands of miles of jointed rail into CWR to help our customers save on maintenance costs. In combination with our Mobile Welding teams we provide the safest and most productive partner in the industry.

## Track Construction

Length of track, location and accessibility, materials to be used, and application of the finished product are all important aspects of planning a construction project. A Holland partnership will determine the best course of action and provide what you need to get the job done safely and efficiently.

## Sparkless Carbide Saw

Increase your efficiency safely with the ability to destress rail while cutting spark free. Adding the Sparkless Carbide Saw to your next repair welding or track destressing project gives you an experienced operator along with our knuckle boom truck outfitted with the saw.



## Rail Relay Treatment

Relay bolted rail not converted to (Continuous Welded Rail) CWR in place by a Cut and Slide process can easily and efficiently be converted to weld-ready sticks of rail with bolt-hole and battered joint areas removed with Holland rail treatment.

## Turnout Welding

Our Extended Reach MobileWelder® has the capability of welding from a right of way road onto the track, or from one track to an adjacent track, depending on the distance between track centers.

# GLOBAL SALES

With equipment in 36 countries, Holland sets the standard for providers of flash-butt rail welding equipment, service, parts, training and application knowledge. Over the years, our systems have proven to be the most reliable and productive in the industry, performing over 30 million welds with our own equipment and employees.



## Pre-Sale Assistance

Holland will explore your company's specific needs including your unique application, environmental or certification requirements. Training and support needs are analyzed to ensure your solution is the right fit and within your budget.

## Continued Post-Sale Support

Holland's commitment doesn't stop once the first weld is made. We continue to provide you with training, operator certifications, parts and maintenance support. Replacement parts are inventoried and normally ready to ship within one business day.

# Holland®

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