

# LORAM®

RGI SERIES RAIL GRINDERS



## Advanced Systems of Production and Specialty Rail Grinding

Protect your rail investment by  
extending its life.

Rail is the single most valuable asset of most railways. The wheel/rail interface of any railroad is a sophisticated and much talked about subject, primarily because of the cost involved in premature rail change outs. Typical problems encountered on all railroads include shelling, spalling, side wear, plastic flow, dipped welds, corrugation and fatigue as well as unique challenges of noise control and ride quality.

Rail grinding is considered the single most effective maintenance practice to control the effects of rolling contact fatigue, restore profile and maximize value from the rail asset.

The substantial return on investment from rail grinding is well documented and includes:

- Extended rail life
- Fuel savings
- Reduced surfacing cycles
- Extended track component life
- Reduced wear on rolling stock
- Increased axle loads
- Increased train speeds
- Improved ride quality and passenger comfort

Railroads everywhere are facing continued challenges of maintaining track in shortened work blocks with limited resources. A proper rail grinding program is a key component to your maintenance plan.

### Superior Technology.

Loram grinders incorporate high power, flexible grinding modules with our patented control system to maximize efficiency and create the most productive

machines on the market. RGI Series Grinders can meet your specific requirements with a variety of machine sizes ranging from 16 stones to 96 stones. Optional features include:

- Support cars for added water, fuel storage, workspace, convenience area, sleeping quarters, and/or auxiliary power
- Crossing and switch grinding
- Environmental features:
  - noise suppression and dust control
  - exhaust treatment
  - state-of-the-art fire prevention equipment
- Quality assurance tools:
  - transverse profile measuring with laser imaging or manual tools
  - longitudinal profile measuring

### Reliable Service and Support.

With over 30 years of rail grinding experience, Loram brings its "partnership" approach to working with all of its customers. This includes an extensive training and technical support program with every machine. Whether for a heavy haul, high-speed, underground or metro-rail system, Loram has the rail grinding equipment and services for you.

For more information on developing a tailored rail grinding program for your railroad, contact Loram at (763) 478-6014.

# Specifications

## LORAM RGI48 RAIL GRINDER

<b>Length:</b>
204 feet (62.2 m) (with support car)
<b>Width:</b>
123 inches (3.1 m)
<b>Height:</b>
166 inches (4.2 m)
<b>Total Weight:</b>
582,120 lbs. (264 tonnes) maximum
<b>Weight Per Axle:</b>
50,715 lbs. (23 tonnes) maximum
<b>Travel Speed:</b>
62 mph (100 kph)
<b>Minimum Travel Radius:</b>
328 feet (100 m)
<b>Gradeability:</b>
62 mph @ 0% (100 kph) 28 mph @ 3% (45 kph)
<b>Capacity:</b>
48 grinding modules @ 30 hp each
<b>Grind Speed:</b>
1.2 - 9.0 mph (2 - 15 kph)
<b>Minimum Grind Radius:</b>
591 feet (180 m)
<b>Track Gauge:</b>
1,000 to 1,676 mm

*Subject to change*



Front cabs include a single control point for all operating functions with touch screen monitors and excellent visibility with user-friendly and spacious seating.



Fire suppression systems include separately controlled wide-angle air injected tie and ditch sprays.



Rail profile measurement system compares the rail profile to the desired rail template specifications. It then calculates the metal removal required to bring the profile to the desired shape.

# LORAM

Reliable Cost Effective Service Solutions

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