

# 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 and wheel 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 for controlling the effects of rolling contact fatigue, restoring profile and maximizing the value of 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. An efficient rail grinding program is a key component to your maintenance plan.

### Superior Technology.

Loram grinders incorporate high-powered, flexible grinding modules using 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 to 96 stones.

Optional features include:

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

### Reliable Service and Support.

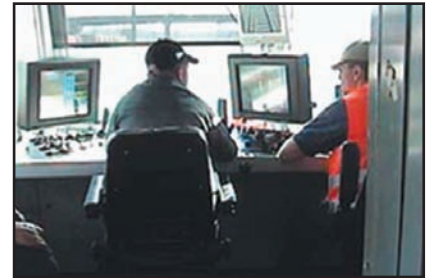
With over 40 years of rail grinding experience, Loram brings its partnership approach to working with all of its customers. This includes an extensive training and technical support program with every machine. Whether for a heavy haul, high-speed, underground or metro-rail system, Loram has the rail 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 RGI RAIL GRINDER

<b>Length:</b>
Configuration dependent
<b>Width:</b>
123 inches (3.1 m); meets EN 15273 clearance limits
<b>Height:</b>
166 inches (4.2 m); meets EN 15273 clearance limits
<b>Total Weight:</b>
Configuration dependent
<b>Weight Per Axle:</b>
Starting at 49,600 lbs. (22.5 tonnes)
<b>Travel Speed:</b>
62 mph (100 kph)
<b>Minimum Travel Radius:</b>
328 feet (100 m)
<b>Gradeability:</b>
62 mph (100 kph) @ 0% * 28 mph (45 kph) @ 3%
<b>Capacity:</b>
16 to 96 grinding modules @ 30 hp each
<b>Grind Speed:</b>
2 - 12 mph (3 - 20 kph)
<b>Minimum Grind Radius:</b>
12 stone non-flex - 591 feet (180 m) 10 stone full flex - 591 feet (180 m) 8 stone full flex - 427 feet (130 m)
<b>Track Gauge:</b>
1,000 to 1,676 mm



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



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



A commonly installed rail profile measurement system compares the rail profile to the desired rail template. Optional grind management software can further recommend optimal machine application.

*Subject to change*



# **LORAM**

Speed, Performance, and Reliability

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