



# LORAM



## THE WORKHORSE OF HIGH-RAIL GRINDERS.

# RGT

## HIGH-RAIL SPECIALTY GRINDER

**The Loram RGT** is the workhorse of the high-rail grinding machines. This compactly-built powerhouse enables the processing of all clearance profiles, all common track gauges and even the tightest curve radii without restrictions. Its integrated measuring technology provides essential data to the Machine Control Supervision Software with the basis for supporting state-of-the-art infrastructure and asset management.

The RGT is equipped with rail travelling gear that is also hydrostatically driven. The grinding unit is equipped with 12 spindles, each delivering 12 kW of power, suitable for short-pitch corrugation grinding and the profiling of both grooved and Vignole rails. A dust vacuuming and a water spraying system installed on the machine provide a dust barrier and a fireguard against smoldering fires. With a working speed of up to 5 km/h, the RGT provides a strong and safe rail maintenance option to deliver a cost-effective rail program.

### FEATURES AT A GLANCE

- **12 spindles each delivering 12 kW** of power for optimised grind time and reduced costs
- **Removal up to 12 mm<sup>2</sup>** per pass
- **Up to 250 m** of finished rail ground per hour
- **Processing of all** clearance profiles, accommodates all common track gauges and handles the tightest curve radii without restrictions
- **Compact design** – machine kinematic envelope fits inside any Australian and New Zealand network

For more information on this machine, or on developing a tailored maintenance program for your railroad, contact Loram at **+61 1800 059 955** or visit **LORAM.COM.AU**



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# SPECIFICATIONS

## LORAM RGT HIGH-RAIL SPECIALTY GRINDER

	RGT HIGH-RAIL SPECIALTY GRINDER
Length	7.5 m
Width	2.3 m
Height	3 m
Weight	13 t
Max Axel Weight	6.6 t
Track Gauge	1,000 mm to 1,676 mm
Gradeability	7%
Minimum Grind Radius	20 m
Minimum Travel Radius	20 m
Grind Speed	5 km/h
Road Travel Speed	45 km/h
Track Travel Speed	25 km/h
Grind Spindles	12; 12 kW
Grind Angles	-72° to +20°
Water Capacity	500 L

*Specifications subject to change*

### RGT Additional Features & Benefits:

- Ability to grind complete turnout, including crossing, frog, blade and swing nose
- Biodegradable hydraulic oil
- Machine kinematic envelope fits inside any Australian and New Zealand network
- Three video monitoring cameras
- Diesel Engine EU stage 3b (240 kW at 2200 rpm) with addition of Diesel Particle Filter (DPF)
- Total removal of up to 12 mm<sup>2</sup> per pass
- 230 volts / 1500-watt diesel-generator for small hand tools
- Mounting for cup grinding wheels with a diameter Ø100 - 150 mm
- Continuous regulation of spindle speeds up to 6,300 rpm
- Closed hydraulic circuit on each pump with an operating pressure up to 280 bar
- The grinding pressure is regulated electronically by proportional pressure valves and can be controlled by the radio control via potentiometer
- Up to 250 m of finished rail ground per hour
- Two hydraulic dust collection systems



### SERVICE & SUPPORT

With a 70-year plus legacy of serving the railroad industry with the most advanced technologies, the most reliable and productive maintenance of way equipment and world-class contract service work, Loram brings its partnership approach to every customer relationship. 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 equipment and services you need.

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