



A FLEXIBLE OPTION WITH PROVEN PRODUCTION.

RGX SERIES

COMMUTER / TRANSIT / METRO / SPECIALTY

Loram's RGX Series is a compact rail grinding solution designed for both production and specialty rail grinding to meet the demands of commuter, transit railways and some mainline applications. The compact design of the RGX allows it to navigate a wide variety of network requirements – steep grades, narrow curves, reduced kinematic, diagrams and light axle loads – while addressing a variety of grinding conditions. The RGX leverages state of the art technology and highly productive, 22 kW grind motors for efficient metal removal, reduced grind time, and optimised maintenance cost.

RGX includes Loram's patented Rail Pro® grind management software systems. RGX is a configurable platform with (10) different consist configurations ranging from 20 to 40 stones. Each grind car contains its own engine, traction, water tank, hydraulics, and other features giving redundancy in operation while also meeting the latest emission requirements around the world. Other key features included in the RGX platform are railway bogies for improved ride quality, climate-controlled cabins and safe travel positions for up to 4 operators, high-speed travel for efficiently transiting to work-site and use of bio-degradable hydraulic fluids.

FEATURES AT A GLANCE

- **Integrated dust collection** and noise suppression systems
- **Flexibility to grind** a variety of rail conditions
- **Configurable** from 20 to 40 stones consists
- **Optional support car** configured to suit
- **Application flexibility** by using either 250 or 150 mm stones with standard, medium or fine grit

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**

SPECIFICATIONS

LORAM RGX SERIES RAIL GRINDER

	RGX RAIL GRINDER
Length ¹	15.2 – 61.0 m (50 – 200 ft)
Width	2.7 m (8 ft 9 in)
Height	3.3 m (10 ft 10 in)
Maximum Axle Weight ¹	13.5 tonne (14.8 ton)
Grind Motors	22.4 kW (30 hp)
Grind Speed	Up to 24 km/h (15 mph)
Travel Speed	Up to 62 km/h (50 mph)
Gradeability	8.0%
Minimum Grind Radius ¹	Down to 35 m (115 ft) [actual curving capability will depend on railway infrastructure]
Minimum Travel Radius	Down to 35 m (115 ft) [actual curving capability will depend on railway infrastructure]
Grind Angles	75° gauge to 25° field
Generator Power ¹	Up to 1,800 kW
Fuel Capacity ¹	Up to 6,000 L (1,600 gal)
Water Capacity ¹	Up to 12,112 L (3,200 gal)
Track Gauge	1,000 mm to 1,676 mm (39.3 in to 66 in)

¹ Configuration dependent
Specifications subject to change

RGX Grinders Optional Equipment Features:

- Redundant Engine and Traction Systems per Consist
- Engine Fire Detection and/or Suppression System
- Rail Pro®
- Optical Transverse Rail Profile Measurement System
- Longitudinal Rail Profile Measurement System
- Rail Surface Imagery System



SERVICE & SUPPORT

With a 70-year 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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