



RAIL GRINDING

PREVENTIVE RAIL MAINTENANCE

Our professional grinding maintenance service considerably increases the life cycle of rails as well as lowers noise emissions from train operations. We machine rails and switches efficiently and precisely using modern road-rail vehicles.

EFFICIENT AND FLEXIBLE

Our 12 stone combined street and rail vehicle is capable of grinding your rails and switches and removing corrugations. Our range of services includes the grinding of new rails (removal of mill scale and damage from construction work); removal of corrugation; re-profiling; and removal of rail defects such as head checks, squats and wheel burns. Our precision grinding can effectively reduce noise emissions from trains and therefore is optimal also for residential areas – you and your customers will enjoy the results.

RAIL JOINING

RAIL SERVICES

MEASUREMENT

TOOLS & MACHINES

EQUIPMENT

MEMBER OF



GOLDSCHMIDT
THERMIT GROUP

OVERVIEW OF RAIL GRINDING

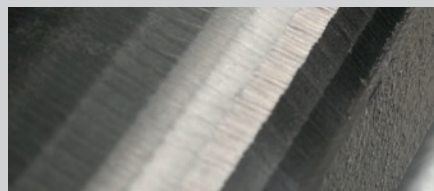
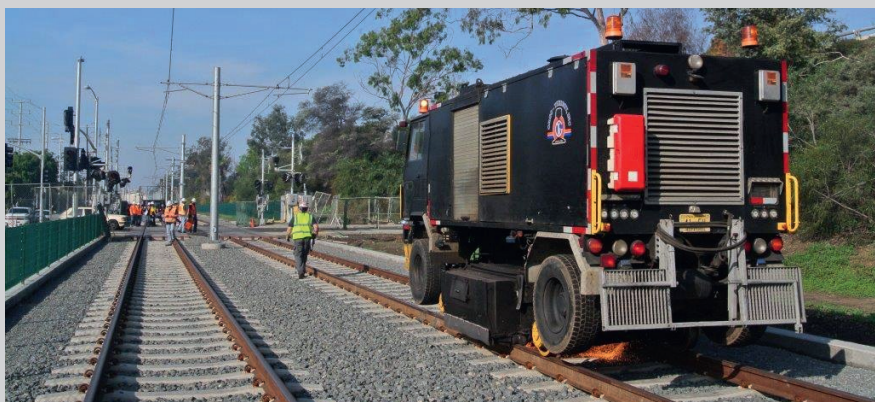
Feature	Function	Benefit
12 stone grinding machine with 3 independent stone modules per rail allow for more rail coverage per pass	Reprofiling, mill scale removal and corrugation elimination	Longer rail service life, lower maintenance costs and reduced noise emissions
Measurement of the track geometry with state-of-the-art measuring equipment	Measurement, analysis and documentation of the track geometry before and after servicing	Monitors progression of defect removal
Capable of grinding standard gauge as well as wide gauge up to 5'6"	Road-rail vehicles specially designed for use in public transit networks	High rail equipment engages in less than 30 seconds allowing more time spent grinding

Specifications

- » Under normal conditions, the vehicle can grind up to 750' per hour
- » When high rail equipment is engaged, the vehicle is 10'4" above the rail and extends 16" over each side of the rail from the gauge
- » Engage high rail equipment in less than 30 seconds
- » This vehicle is equipped with a dust suppression system and on-board water supply of 240 gallons for extinguishing localized fires
- » Both rails are ground simultaneously
- » Metal removal of .003"-.008" per pass, dependent upon rail conditions
- » Individual stones are operated by a 12.2 hp motor
- » Vehicle length: 22'2"
- » Vehicle width: 7'4"
- » Stone pressure: 115-160 psi/stone
- » Surface finish of 3-5 microns
- » Capable of grinding 75° on the gauge face and 50° on the field side of the rail

References in North America

Baltimore | Calgary | Dallas | Edmonton
Honolulu | Houston | Los Angeles | Miami
Minneapolis | New York City | Salt Lake City
San Diego | San Francisco



Contact information

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