



RAIL GRINDING MACHINE

RGM 1-8

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The rail grinder RGM 1-8 is a rail-borne machine which has 8 grinding spindles with independent angular adjustment. Each of the spindles is driven by a frequency-controlled electrical motor. The computer monitored grinding process is controlled with touch pad by the operator inside of the cabin.

The rail grinder RGM 1-8 can be used for removing of rolling skin, the elimination of rail corrugations (grooves) and short waves on the rail head as well as for the reprofiling of the rail head.

The grinder is efficient for working in the open and closed scopes of long rail sections for winning the transverse and longitudinal target profile as well as for machining of turnouts.

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Technical data of the rail grinder RGM 1-8

Length	12.500 mm
Breadth	2.500 mm
Height	3.400 mm
Weight	31,0 t
Gauge	1000 bis 1524 mm
Axle load (rail)	max. 8,5 t
Minimum curve radius	travelling: 20 m grinding: 30 m
Numbers of grinding motors	8
Speed of cup stones	max. 6000 rpm, infinitely variable by integrated frequency converter
Max. grinding angle	-25° outside of the rail (field side) +70° inside of the rail (gauge side)
Operation	- computer monitored grinding process - grinding in both directions - 100 grinding programs
Modification of grinding angles	electromechanical control
Feeding mechanism for grinding stone	electromechanical control
Horizontal grinding stone adjusting	electromechanical control
Rail travel speed	40 km/h
Grinding speed	1,0 to 4,0 km/h
Maximum slope	70 ‰
Vaccum power for grinding dust collection ..	1 x 12.500 m ³ /h
Water tank	2x 600 liter
Protections	- spark shields continuously adjustable - particle-emission filter for exhaust gases
Options	- online measuring system for transverse profile - online measuring system for longitudinal profile - fire extinguishing system

DEVELOPMENT – DESIGN – MANUFACTURING – SALE – SERVICE

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