

ROAD-RAIL GRINDER

RRGM 1-6/ AM65

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The RRGM 1-6/ AM 65 is a road-rail going grinding machine for the machining of the rail head of tracks and turnouts. It composes except the grinding wagon also a generator so that no power cables has to be installed along the working site. The grinder can travel flexibly to the position for rail-in und easily rail in and out by road-rail technology.

The RRGM 1-6/ AM 65 has 6 grinding motors with independent angular adjustment. They are driven by 7,5 kW to 15 kW frequency-controlled electrical motors. The grinding process is monitored automatically. The machine can be equipped with an integrated laser measurement system for the analysis of the transverse and longitudinal rail head profile.

The track and turnout grinder RRGM 1-6/ AM 65 can be used for removing of the rolling skin, the elimination of rail corrugations (grooves) and short waves on the rail head as well as for the re-profiling of the rail head. The grinder is efficient for grinding of turnouts, machining of railroad crossings, grinding of welding, machining of taper rail and for winning the transverse and longitudinal target profiles in short rail sections.

Rail-in time: approx. 10 minutes
 Rail-out time: approx. 5 minutes

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Technical data of the road-rail grinder RRGM 1-6 /AM65

Length	5.200 mm
Breadth	2.550 mm
Hight	max. 2.600 mm
Weight	5.000 kg + 4.800 kg
Gauge	900 - 1460 mm
Minimum curve radius	travelling: R15 m grinding: R20 m
Numbers of grinding motors	6
Speed of cup stones	max. 5850 rpm, infinitely variable by integrated frequency converter
Max. grinding angle	-15° outside of the rail (field side) +70° inside of the rail (gauge side)
Operation	- computer monitored grinding process - grinding in both directions - fixed and adjustable grinding programs
Modification of grinding angles	electro mechanical control
Feeding mechanism for grinding stone	electro mechanical control
Horizontal grinding stone adjusting	electro mechanical control
Rail travel speed	10 km/h
Road travel speed	40 km/h
Grinding speed	1,0 to 3,0 km/h
Maximum slope	70 ‰
Vacuum power for grinding dust	2 x 0,55 kW; volumetric flow rate 375 m ³ /h
Power of drive unit on rail	inverter controlled electric propulsion, allwheel driven
Electrical connection	400 V 32 A CEE connection; further connections of electrical machines are possible on the control board of the controlling system
Power supply	LRAM 65 PRAMAC generating set; 65 kW power output
Lighting of working place	grinding wagon: 2 x 70W halogen headlamp 2 x 70W flood light et al. generator : 2 x LED ca. 10W (back) Multicar: 2 x 12V halogen headlamp et al.
Option	- integrated laser measurement system with storage function and real-time analysis - water tank (120l) with spray and cleaning system - particle-emission filter for exhaust gases
Protections	- spark shields

DEVELOPMENT - DESIGN - MANUFACTURING - SALE - SERVICE

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