



RAIL GRINDING MACHINE RRGM 1-20



L & S Luddeneit und Scherf GmbH
Wimmlerstraße 25
D-07806 Neustadt an der Orla
GERMANY

www.l-und-s.de
Tel.: +49-36481-5645-0
Fax: +49-36481-5645-19



The rail grinder RRG 1-20 is a rail-road going machine. The machine has 20 grinding spindles with independent angular adjustment. They are driven by 7,5 to 15 kW frequency-controlled electrical motors. The computer monitored grinding process is controlled with touch pad by the operator inside of the cabin.

The rail grinder 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 reprofiling of the rail head.

The grinder RRG 1-20 is efficient for working in the open and closed scopes of long rail sections for winning the transverse and longitudinal target profiles as well as for automatic machining of obstacles and turnouts through adequate pre-program of local conditions.

Insertion time on rail:	approx. 12 minutes
Discharging time of rail:	approx. 8 minutes

Technical data of the rail grinder RRGM 1-20

Length	15.670 mm
Breadth	2.340 mm
Hight	3.210 mm
Weight	34 t
Gauge	1000 to 1524 mm
Axle load	max. 8,5 t
Minimum curve radius	Travelling: 35 m Grinding: 40 m
Numbers of grinding motors	20
Power of grinding motors	7,5 to 15 kW per motor
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 - availability of 100 grinding programs - grinding in both directions
Modification of grinding angles	electro mechanical control
Feeding mechanism for grinding stone	electro mechanical control
Horizontal grinding stone adjusting	electro mechanical control
Road travel speed	80 km/h
Rail travel speed.....	40 km/h
Grinding speed	max. 1,5 to 3,5 km/h
Maximum slope	70 ‰
Vacuum power for grinding dust	4 x 7,5 kW volumetric flow rate 19.800 m ³ /h
Water tank	600 litres / +500 litres
Protections	- vertical adjustable spark shields - particle-emission filter for exhaust gases

DEVELOPMENT - DESIGN - MANUFACTURING - SALE - SERVICE

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