

ROMILL System

Rail Treatment System



COMBINED POWERS.
ECONOMIC. FAST. EFFECTIVE.

www.robels.com



A NEW PROCESS IN RAILHEAD TREATMENT.



ROMILL System

The all-inclusive solution for track renewal. Technologically smart. Safe, user-friendly and environmentally friendly.

The objective of modern railhead treatment is the optimal wheel-rail contact for maximum service life. A newly formed merger of experts in rail milling, grinding and measuring technology, come together with on track machine construction specialists, to offer a full set of railhead treatment solutions available to markets around the world. This expert collaboration brings solutions by users, for users. ROBEL rail treatment systems with integrated SBI milling technology and Vogel & Plötscher measuring technology successfully maintain your rail profile. Supported by a global service network.

- Eliminates the toughest rail defects in one pass
- Reprofiles regardless of the track geometry and condition
- With no sparks or contaminates and no heat induces damage
- Robot-assited work contained safely within the system
- All-around service on-site minimizes production downtime
- Verification through machine-integrated measuring systems
- Rail and switch processing

MILLING TECHNOLOGY



SBI Milling Technology

- milling wheel diameter 1445 mm
- Tool life per placement up to 5000 m
- Material removal 0.3 – 2.00 mm
- Setting accuracy: 0.1 mm steps
- Working speed 400 – 1200 m/h

GRINDING TECHNOLOGY



Plasser & Theurer Polishing

- Oscillating wet or dry grinding
- Up to 6 grinding stones per side
- Maximum material removal 0,02 mm
- Working speed up to 1200 m/h
- Residual longitudinal profile according with EN 13231-3

MEASUREMENT TECHNOLOGY



Vogel & Plötscher Measuring

- Rail transverse and longitudinal profiles
- Pre and post measurement
- measurement System RMF 1100
- Accuracy 0.001 mm
- Monitoring and measurement protocol

TECHNICAL SPECIFICATIONS

Total length	32.000
Width	3.000
Height	4.000
Traction drive	hydraulic
Main engine	Diesel EU stage V, 600kW
Max. speed self propelled	up to 60 km/h
Max. gradient	40 ‰
Processing speed	400 – 1200 m/h
Max. removal rate per pass	0.3 – 2.0 mm on the rail surface
Gauge	1067; 1435
Minimal curve radius for processing	150 m
Cant at gauge system 1067 mm	160 mm
Chip container volume	6 m³ (size customizable according to requirements)
Max. axle load	< 15 t
Weight	< 110 t

THE LEAGUE
OF SPECIALISTS.

