



Metric Rail Grinder

// Our brand new solution for use on the metre gauge, in local transport and for mainline and mountain railways.

The Metric Rail Grinder extends the rail service life and enhances travelling comfort.

Grinding module with a total of 10 large grinding stations:

- 6 stations with 175 mm or optionally 125 mm cup wheels
- 2 stations with plate discs with tilt adjustment
- 2 stations with flapper wheels with tilt adjustment
- Simultaneous lifting and lowering device of the grinding module for passing over obstacles (crossing) in the track



175 mm or optionally 125 mm cup wheels



Flapper wheels



Plate discs

Powerful dust extraction above the grinding technology:

- Process extraction with multiple filter cartridges
- Automatic filter cleaning
- Internal fire damper



Filter cartridges



Operating mode:

- Road travel up to $v_{\max} = 80$ km/h
- to the single track station or to the workshop
- Transfer operation on rail to the work site with a maximum speed of $v_{\max} = 30$ km/h
- Working operation on rail at 3 – 6 km/h for grinding and measuring operations

Measurement parameters:

- Cross profile measurement
- Longitudinal profile measurement
- Track gauge
- Reference to the kilometre scale



Longitudinal profile measurement left and right rail:

- Display in the driver's cab above the operator board
- Recording option for quality control
- Recording before and after grinding (corrugation and uneven driving surfaces)

Transverse profile measurement left and right rail in live transmission:

- Display in the driver's cab above the operator board
- Rail heads are displayed in direct comparison to the target profile
- Recording capability for quality control
- Gauge measurement



Length recording:

- Length recording according to the kilometre marking of the respective track
- Length recording synchronised with cross-section and longitudinal profile measurement



Features:

- Live monitoring of grinding quality
- Quality documentation before/after grinding
- Fast, flexible, and efficient due to two-way technology

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