



Two-way vehicle combined recycling suction & rinsing device

Operation

True to the company motto "There's no such thing as impossible!" The Marquis group developed this innovative two-way vehicle with suction & rinsing device and water recycling specifically for use under extreme conditions (e.g. NEAT tunnel cleaning). With its complete equipment, this high-tech vehicle is used on rails for all sewer and special cleaning work. 32 tonne empty weight, 12 metres long, 3.7 metres high, 2.5 metres wide, two-way rail travelling mechanism up to 55 km/h.

Equipped for all cleaning work in the future!

Permits

- SBB work permit - ABG00820.2020.05.01.205
- BAV operating permit - zr42BB2010-11-0421

Areas of application

- Sewer cleaning on road and rail (up to 260 m long pipes and diameters of up to 1,200 mm)
- Suction of slurry collectors with and without recycling
- Limestone milling
- Tunnel cleaning/wet cleaning (arched tunnels, shoulders and lanes)
- Cleaning of rails, grooves and routes
- Cleaning of cable systems (cable shifts and cable conduits)

Technical data

Type	Mercedes Benz Actros 3360 LT 8x4/4 Two-way vehicle up to 55 km/h
Tank volume	12,000 litres
Rinsing pump performance	2 HD pumps, each 200 bar / 400l/min
Suction performance with 60% vacuum	2,400 m ³ / hr
Radio control unit	2 x for left and right reel
Rinse recycling system	Double Rotomax for rinsing
Suction recycling system	Flocculant system
Low-emission motor filter	Euro 5 with soot particle filter

Complete equipment

- SBB suitable protection measures
- Chemical/physical rinse recycling and suction recycling system
- Two-way rail travelling mechanism 41 t up to 55 km/h
- Special rinsing nozzles
- 2 x rinsing reels 1 1/4", 150 m plastic rinsing hose
- 1 x rinsing reel 3/4", 120 m plastic rinsing hose
- 1 x rinsing reel 1/2", 40 m rubber rinsing hose
- 1 x suction hose DN 125 / 15 m, can be unrolled
- Tunnel cleaning arm
- Rail, groove and route cleaning devices