



Sewer TV for use on rails

Operation

In parallel to the two-way recycling suction and rinsing device, the Marquis Group constructed a special device for a digital sewer TV system. This is attached to a two-way dumper and can be used on rails. This means that there is no need to load a TV bus onto a low-floor wagon or for resources such as construction train drivers, construction trains or low-floor wagons.

A further benefit is that teams can perform two heterogeneous types of work in parallel and independently from one another (sewer TV approx. 60-70m/h, sewer cleaning approx. 120m/h). Sewer cleaning work can thus be performed during your normal working process and without any waiting times. This means of operation can minimise the rinsing shifts and save costs. Our two-way vehicles guarantee maximum flexibility!

The mobility of the TV system means that there are further possibilities for execution, depending on the situation and framework conditions. Our operators have been trained in category VTE 10 (operating railway traction vehicles) and are ADVK-certified as per VSA.

Technical data

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|----------------------------|--|
| Sewer TV inspection | TV recording DN 150 - 600mm |
| Driving carriage cable | 300m |
| Camera system | Pan and tilt camera, zoom with endless rotation and carriage |
| Pipe and shift location | Yes, integrated in the camera head |
| Sewer TV system dimensions | 1.15m x 1.15m x 2.15m |
| Sewer TV system weight | 600 kg |
| Protocol/data | WinCan VX, Interlis 2 interface SIA-405 / VSA-KEK |
| Two-way dumper | Up to 15 km/h |
| Two-way dumper permit | SBB work permit and BAV operating permit |

Permits

- SBB work permit - ABG03202.2024.02.28.212
- BAV operating permit - zr425-00926

Areas of application

- Building inspections
- Routine/status controls
- Quality controls
- Pipe and shift locations
- Leak tests with logging (shift)

Complete equipment

- Road-rail dumper with a special device
- Digital TV system
- Digital sewer inspection camera
- Pipe and shift location devices
- Leak tests (air)