MULTIRAIL® Technology weighing, testing, measuring, monitoring, optimisation
High-precision, safe, convenient and low-maintenance

Economy and safety are decisive parameters in rail transport and goods are recorded and weighed to ensure both. A load's weight forms the basis of the calculations for goods handling and avoids overloading. Precise weighing and optimum weight distribution therefore represent an enormous safety factor for any type of goods transport.

**MULTIRAIL® Family:** The modular system provides optimum and economical solutions for:

- static or dynamic weighing
- monitoring and diagnosis systems for rail applications
- testing and documentation for production and maintenance

Schenck Process MULTIRAIL® systems satisfy the following standards and recommendations depending on their application:

- prEN 15654
- OIML R106 / DIN 8129
- DIN 27201-5 (TRF.0014)
- DIN 25045
- EN 14363
- TRF.0019

Suitable sensors form the basis for exact measurement. These sensors are designed for the various road and rail applications and offer all necessary approvals.
Legal-for-trade in-motion weighing of solids and liquids
MULTIRAIL® LegalWeight, LiquidWeight
Accuracy in accordance with OIML classes 0.5 and 0.2

In-motion weighing of hot metal in torpedo wagons
MULTIRAIL® HotMetalWeight
Accuracy of 0.5% of the final value

Optimised wagon loading for bulk materials
MULTIRAIL® TrainLoadOut
Accuracy of 0.5% of the final value
Passenger counting

MULTIRAIL® APC
Accuracy of passenger count ±3%

Wheel diagnosis of wheel flats and wheel loads on the track
MULTIRAIL® WheelScan

Measuring Q/Y forces on the track
MULTIRAIL® InterScan
According to prEN 15654

Monitoring and diagnosis systems for rail applications
Fully electro-mechanical bogie test rig

MULTIRAIL® BogieLoad

Monitoring vertical wheel forces up to complete locomotive test rig

MULTIRAIL® WheelLoad

Vertical wheel force according to DIN 27201-5 (TRF.0014)

Measuring track curve for continuous measuring of Q/Y forces

MULTIRAIL® Wheel&GuideLoad

Testing according to EN 14363

Testing and documentation for production and maintenance