



NEXT.assembly

x-road truck

The multi-function roll, brake, ABS test stand

With the roll, brake, ABS test stand x-road truck, the following tests in the end-of-line area are possible under reproducible conditions for commercial vehicles with up to 5 axles:

- Roll tests, e.g. after driving cycle, uphill drives (warming-up), downhill drives
- Brake tests
- Gearbox function tests, manual or via ECU (ECU communication)
- Tests via ECU, e.g. ABS, ESP
- Differential tests, longitudinal and lateral
- Tachograph tests

If you need special tests, please feel free to contact us any time.

CUSTOMER BENEFIT



Reduced cycle times due to new and flexible test sequences

Energy efficiency: surplus energy from the vehicle is returned to the grid

Highest availability due to simple modular structure

Simple integration of new vehicle types

Flexible adaptation of different test cycles

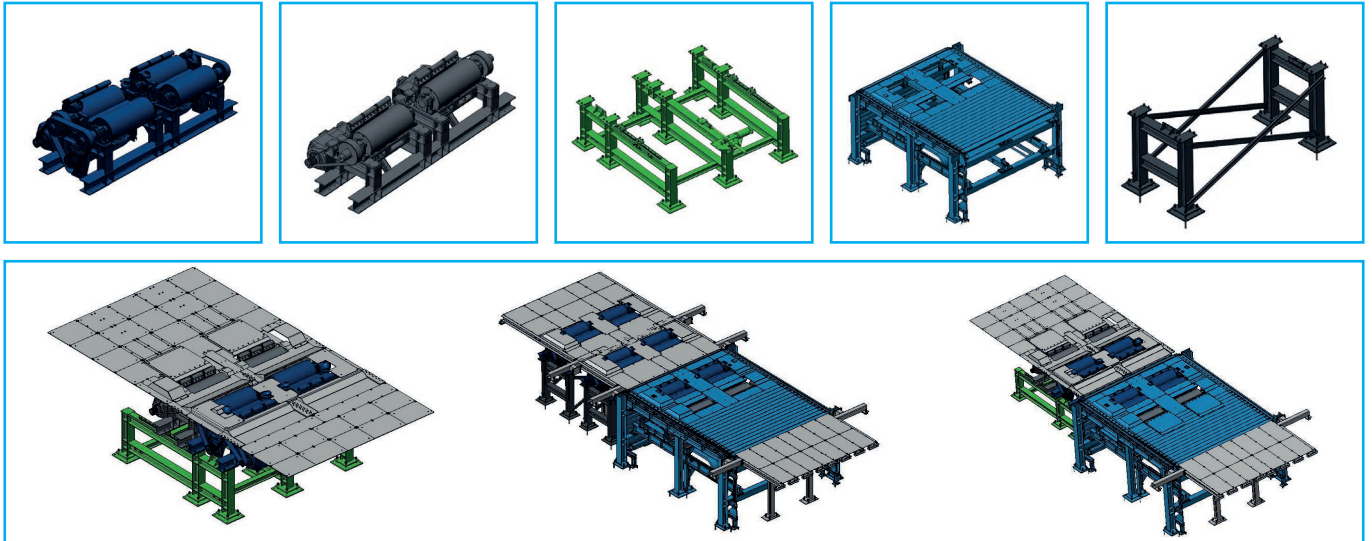
High economical efficiency, low maintenance costs and low operating expenses

Technical data

x-road truck

FLEXIBILITY

Especially in the commercial vehicle sector, there are numerous variants with regard to the vehicle axle geometry (number of axles, distance between axles...). Thanks to the innovative modular concept, an optimum solution regarding cycle time and required space for the respective vehicle mix with proven measurement-technology components can be realised without any problems.



Example 1: 2 axles
Single roller movable

Example 2: 4 axles
Double + single roller movable together

Example 3: 4 axles
Front single roller movable,
double roller and rear single roller movable together,
rear single roller movable to double roller

ENVIRONMENT

Due to the intelligent ECU technology (recovery of surplus energy etc.) energy costs are saved and the carbon footprint is reduced.



TECHNICAL DATA FOR CHARACTERISTIC MEASUREMENT SYSTEM

Typ. maximum test speed	120 km/h
Motor traction force continuous operation each roller set	$F_{\text{nenn}} = 7.100 \text{ N}$
Motor traction force overload operation each roller set	$F_{\text{max}} = 20.000 \text{ N}$
Accuracy of the speed measurement (in relation to the roller circumference)	+/- 1 km/h

Deviating values can be realised on request.