

Overview of Innovations.



Weighing system reliably indicates the weight of the bulk material in the body. Overloading can thus be avoided.



Automatic lowering of the pneumatic suspension in the running gear when unloading provides for more stability due to a lower centre of gravity.



Automatic starting aid increases traction through automatic raising of the lift axle if the truck drive axle loses grip during the drive-off process.



Automatic axle load compensation ensures optimal load distribution with balanced axle loads during loading of the body. Supplementary function of the on-board weighing system ("LOAD" supplementary package).



Auto reset function automatically re-establishes the optimal ride height when starting off and thus prevents damage to the bellows of the pneumatic suspension.



Adjustable paver brake allows adjustment of the brake pressure when working with the road paver and is controlled via the smartphone app.



Rear wall remote control controls the hydraulic tailgate (option) via the smartphone app.



Tipping angle assistant measures the exact tipping angle via a sensor at the tipping bearing and automatically brakes if the body is tilted during travel.



Articulation angle assistant measures the position of the tractor unit relative to the trailer during loading and unloading. Ideally they should be perfectly aligned.



Cargo area camera (option) shows a current video image in the smartphone app via a WiFi connection, enabling monitoring of the loading processes.



Electronic pneumatic suspension provides for suspension comfort independently of the load as well as optimal road holding, and enables differentiated setting of height changes in the running gear.



Tilt angle assistant measures the lateral tilt of the vehicle on uneven surfaces before the tipping process begins. If the lateral tilt is too large the tipping process is stopped.



Tyre pressure monitoring with refilling function automatically re-establishes the pre-set air pressure in the individual tyres of the running gear and emits a warning in the case of slow, continual air leakage so as to avoid immobilisation.



Remote control for the electric tarpaulin (option) enables quick load securing via a smartphone app in approx. 25 seconds. Climbing onto the trailer and sweat-inducing tarpaulin handling are no longer necessary.



Rear area camera (option) with a WiFi connection shows the manoeuvring area behind the trailer in the smartphone app. This makes manoeuvring and tipping easier.



Override guard, pneumatically folding and remote-controlled, (option) is controlled via the smartphone app and makes working with the road paver easier.



Remote control via the smartphone app enables the above-mentioned functions to be controlled independently of the tractor unit. Permanently installed switches in the driver's cab are superfluous. For remote control a standard WiFi-capable mobile device (smartphone or tablet) can be used.



Experience.Progress.

Increased Safety, Convenience and Efficiency with the S.KI Tipper Semitrailer.

The Situation

Loading and unloading on often uneven terrain as well as constant time pressure multiply the hazards for the driver and the vehicle. In particular the prescribed method of load securing using conventional roller tarpaulins costs a lot of time when loading. Raising the body when tipping requires precision and stability. Incorrect tyre pressure in the trailer running gear costs unnecessary fuel when the vehicle is travelling and increases tyre wear over the long term and thus the danger of tyre damage.

The Solution

As a result, there is a desire on the part of many owners and drivers for the automated operation of many functions from the driver's cab.

Remote control of different functions via a smartphone app allows, for example, control of the pneumatic suspension or the trough covering. The tyre re-pressurisation system provides for correct tyre pressure on a permanent basis.

The automatic starting aid optimises traction because, in the event of a loss of traction, the trailer load is systematically increased without the driver having to make adjustments to the driving gear.

Three intelligent assistant systems for the tipping angle, articulation angle and tilt angle monitor the tipping process and prevent the vehicle from driving away with a tilted body.

In addition, the integrated weighing system allows optimal utilisation of the available load capacity – even if no permanently installed scales are available when loading.



S.KI control app

- Increased active and passive safety when tipping: Three assistants monitor and provide warnings in critical situations.
- Increased stability through automatic lowering function.
- Better traction with automatic starting aid.
- Fuel savings through permanent tyre pressure monitoring with refilling function.
- Greater cleanliness, safety and efficiency when loading by displaying and controlling the key functions from the driver's cab via smartphone app.
- Avoidance of overloading and the associated wear as well as corresponding penalties.

Trailer

Services

Technology

just more.



Control at your fingertips:

The functions of the offered packages can be remote-controlled via a smartphone app.



Safe. Economical. Efficient. Innovations for Everyday Needs.

The Offer in Three Easy Steps.

The basic package "SAFETY & COMFORT" builds on intelligent control of the pneumatic suspension and the trailer data from the EBS+. Likewise, remote control via a smartphone app is already an integral part of the offer.

More safety during the tipping process is provided by the three angle assistants as well as the monitoring of the cargo area and rear area by optional WiFi cameras. Here more convenience also means more efficiency through remote control of the underride guard, the trough covering, the optional hydraulic tailgate and the paver brake. This is supplemented by an automatic starting aid.

The "LOAD" option supplements the basic package with an on-board weighing system. It also contains automatic axle load compensation for the avoidance of axle overloading.

The "ECO" option can be combined with the basic package or, including the "LOAD" option, as a complete package. Here an active tyre pressure control system, which includes a re-pressurisation function, provides for the correct and fuel-saving air pressure in the tyres.

The basic package "SAFETY & COMFORT" including the "LOAD" and "ECO" options can be ordered for all new standard S.KI tipper trailers.



Time gain when loading: An app is used to open or close the electric sliding tarpaulin in only 25 seconds. Tipping can also be performed with the trough covering only partially opened.



The functioning of the hydraulic rear wall can be controlled for voluminous bulk material or controlled partial unloading by means of the S.KI control app.



The tyre pressure monitoring and re-pressurisation system also enables continued and limited travel to the workshop in the case of slow pressure loss.

Basic Package "SAFETY & COMFORT"

-  Articulation angle assistant
-  Tipping angle assistant
-  Tilt angle assistant
-  Monitor function for rear area camera*
-  Monitor function for cargo area camera*
-  Remote control for pneumatically-folded underride guard*
-  Remote control for hydraulic rear wall*
-  Remote control for electric tarpaulin*
-  Electronically-controlled pneumatic suspension
-  Auto reset function
-  Automatic starting aid
-  Automatic lowering
-  Adjustable paver brake
-  Control via smartphone app

*Use of this function requires the appropriate vehicle equipment to be ordered as well. This is not included in the basic package "SAFETY & COMFORT".

Supplementary Package "LOAD"

-  Weighing system
-  Load transfer for axle load optimisation (avoidance of axle overloading)

Supplementary Package "ECO"

-  Tyre pressure control system
-  Tyre pressure refilling