



RAMSIS MODUL – ISO 13564

THE RAMSIS MODULE ISO 13564 is a module from RAMSIS INDUSTRIAL VEHICLES and is used to measure and evaluate the visibility conditions for operators of unladen ground conveyors/industrial trucks

The advantages of ergonomically-optimized instrument visibility

The RAMSIS module iso 13564 is an efficient tool for testing the ISO 13564 norm in CATIA V5. This minimizes the number of time-consuming tests on real vehicles, development costs are cut, and the development timeframe of the vehicle is dramatically reduced.

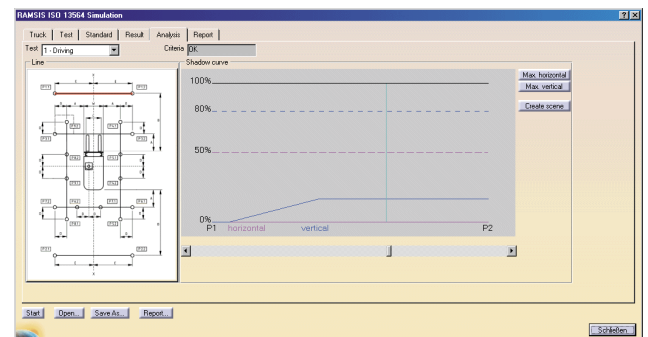
Ground conveyors/industrial trucks – visibility conditions – test procedures and verification

During the concept, design and construction phases of industrial trucks, it is absolutely necessary to ensure that the outward view of the driver is as clear as possible and to considerably reduce the non-visible areas (blind spots) – i.e. to conform to the ISO 13564. To achieve this, we have integrated the ISO 13564 into RAMSIS CATIA V5. Here lamps model human vision (eye) and shadows model the non-visible area caused by the vehicle. The shadows thus created are evaluated on movable test blocks which are moved around the vehicle on specific test tracks. The percentage of the shadow falling on the test block which is moving on the tracks is then evaluated against certain criteria. The corresponding parameters are predefined by the user and are divided into three categories:

- » Vehicle-specific parameters
- » Test-relevant parameters
- » Norm-relevant parameters with current values

The individual parameters are saved in a screen for norm calculation - the screen contains several tabs and a bar with control buttons. The results of all the tests are shown in the Result tab.

A test protocol can be created if requested.



This norm applies for:

- » Seated/standing operator industrial trucks
- » industrial trucks with variable range up to and including 10t payload.
- » Other parts for additional types of industrial trucks, like, e.g. seating containers, industrial trucks, telescopic seating containers/industrial trucks, transverse stackers, industrial trucks with a payload of > 10,000 kg.



Please find more information on www.human-solutions.de or contact us for a personal meeting at +49 631 303-5600.