

x-wheel truck *d*

THE CHASSIS GEOMETRY MEASUREMENT FOR TRUCKS AND BUSES



» Wheel aligner x-wheel truck *d* in Production

Innovation

With the x-wheel truck *d* Dürr Assembly Products has newly defined the chassis geometry measurement with innovative x-3Dprofile measuring system. The test stand is designed for truck and bus production with large complexity. Due to the optimum cost-performance-ratio of the x-wheel truck *d* the test stand is ideally suited for the chassis geome-

try measurement in the end-of-line area and other vehicle production with high quality requirements. The test stand fulfills the manufacturer-specific requirements related to measuring accuracy, reproducibility and setting regulations.

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Unique features

- » Traceable back to national standards
- » Non-contact measurement with x-3Dprofile sensor
- » Wheel runout compensation

Tasks

- » Setting of the horizontal steering wheel position when driving straight ahead
- » Setting of parallelism of several steerable axles when driving straight ahead
- » Quality control of the chassis geometry values
- » Optional setting of headlamps, distance sensor (ACC) and lane departure warning (LDW)

Measuring possibilities

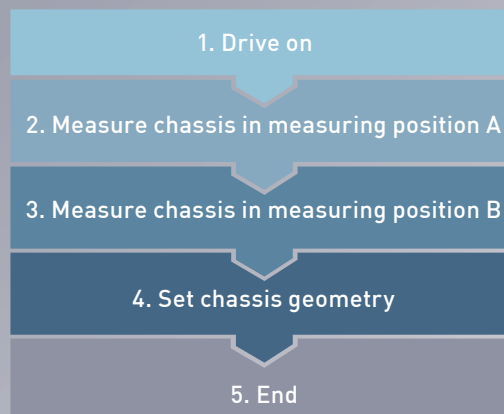
- » Individual and total toe angle at all axles
- » Camber angle at all axles
- » Driving direction of all axles
- » Steering wheel angle

Cycle times

< 3 minutes with an availability of > 98% (2-axle-vehicle without setting times). For each further axle we require approximately 1 minute.

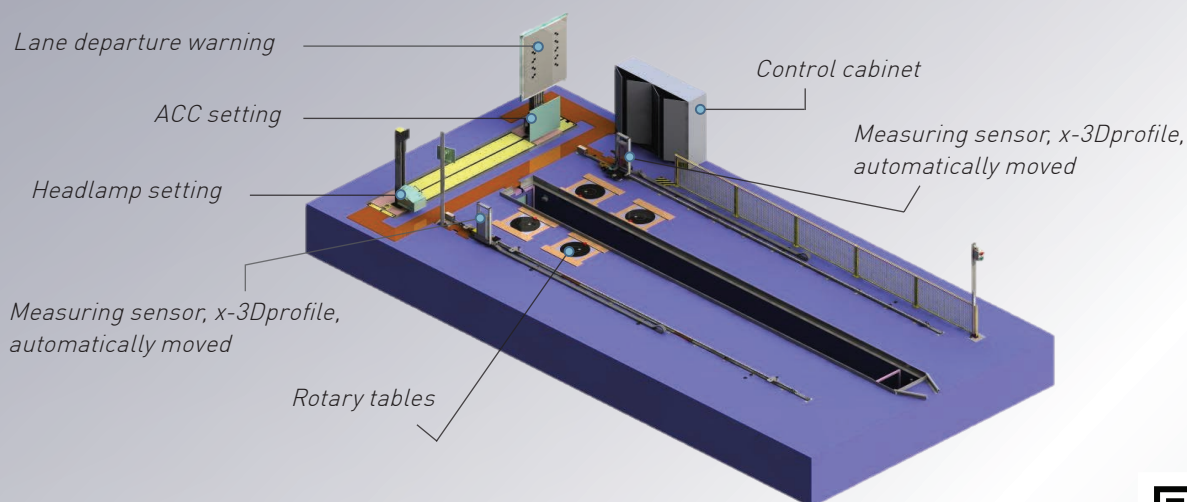
Measuring and setting sequence

The chassis geometry is measured in 2 different vehicle positions for the compensation of the wheel runout.



Technical data x-wheel truck d

Wheelbase range	2.300 mm to 9.000 mm, can be expanded on request
Tyre diameter	800 - 1.250 mm
Toe accuracy	< 2' (master gauge)
Camber accuracy	< 6' (master gauge)



The test stand can be built up on an existing, even hall floor or be installed beside an existing pit.

* The photos or figures of the assembly and testing systems in the flyer are not showing the complete installation. The requirements of the machinery directive (2006/42/EG) will only be met by other supplementary scope of supply or - on delivery of uncompleted machines - those requirements must be fulfilled by the manufacturer of the (complete) machine. Flyer x-wheel truck d, Version E

