

x-wheel *d*

THE CHASSIS GEOMETRY MEASUREMENT NEWLY DEFINED



» Wheel aligner x-wheel *d* in production

Innovation

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

in AUDIT and rework areas, special car production, CKD plants and other car production with high quality requirements. The test stand fulfils the manufacturer-specific requirements related to measuring accuracy, reproducibility and setting regulations.

x-wheel d

Measurement tasks

- » individual and total toe angle at the front axle and at the rear axle
- » camber angle at the front axle and at the rear axle
- » max. steering angle at the front axle

Cycle times

≤ 6 minutes depending on the setting procedures.

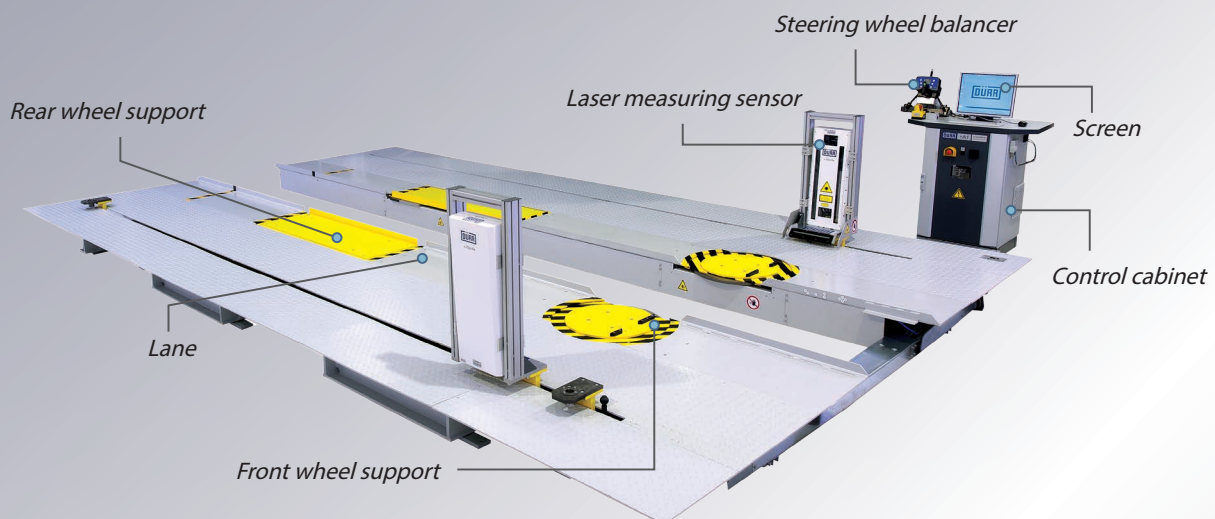
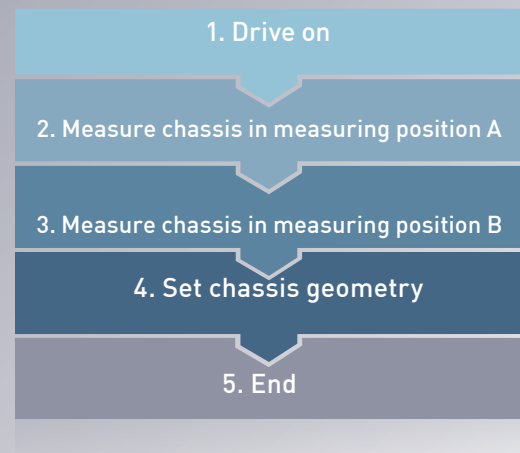
Possible setting

- » toe setting at the front axle and at the rear axle
- » camber setting at the front axle and at the rear axle

Measurement and setting process

The wheel geometry is measured in 2 different vehicle positions. By this procedure the axial run-out of the wheel is measured and compensated accordingly.

| Technical data x-wheel d | |
|------------------------------------|--|
| Lane width | 400 mm |
| Centre track width (lane distance) | 1550 mm |
| Wheelbase range | 2,300 mm to 3,200 mm |
| Rim size | 14" to 20" |
| Accuracy toe | < 2' (master gauge) |
| Accuracy camber | < 4' (master gauge) |
| Colour | according to Dürr Standard (VDI / VDE) |
| Pit depth | 250 mm |



Mechanical and electrical design (components): according to Dürr Standard (VDI/VDE)
All indicated accuracies are based on the measurements at the calibration gauge.

* 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 d, Version G

