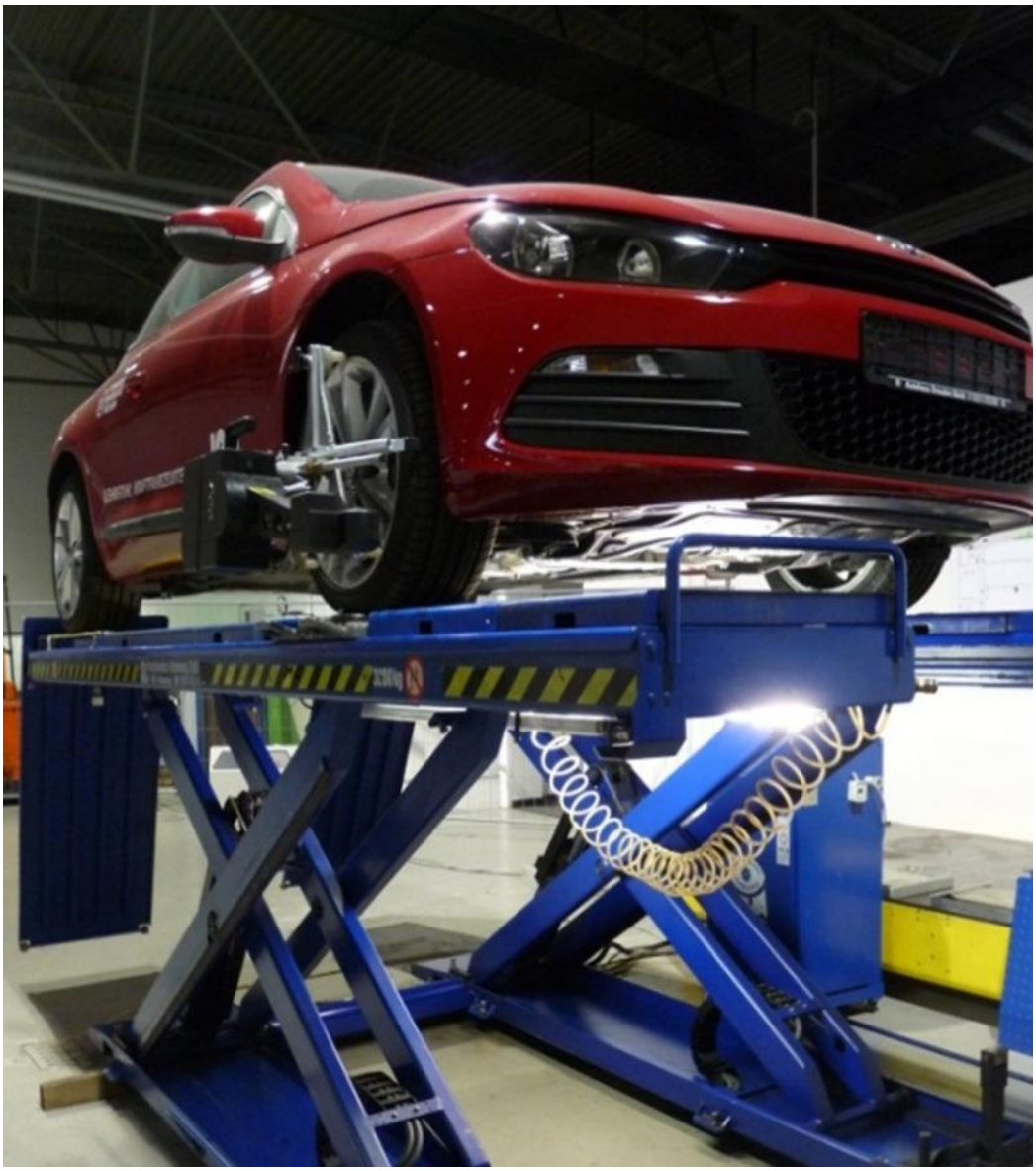
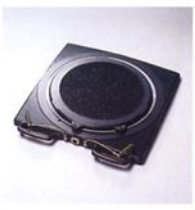
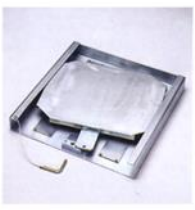
12_Wheel Alignment Machine



Die Messwertaufnehmer mit autarker CCD-Messsensorik übertragen die Daten zum PC .



Die elektronischen Drehuntersätze für die Vorderräder mit integriertem Sensor und 360° Rundum-Messbereich.



Stabile Schiebeunter-sätze mit schwenkbar/ schiebbarer oberen Platte zum verspan- nungsfreien Vermessen/ Einstellen der Hinterräder.

TECHNISCHE UNIVERSITÄT DRESDEN

LKT

Test objects

- All motor vehicles until 3.2 t

Measured variables

Measuring possibility	Measurement accuracy	By measuring range	Total measuring range
Total toe (FA+RA)	± 3'	± 2°	± 18°
Single toe (FA+RA)	± 2'	± 2°	± 9°
Camber (FA+RA)	± 2'	± 3°	± 10°
Wheel offset (FA+RA)	± 2'	± 2°	± 9°
Thrust angle	± 2'	± 2°	± 9°
Caster angle	± 4'	± 18°	± 22°
Inclination	± 4'	± 18°	± 22°
Differences in track width	± 4'	± 20°	± 20°
Maximal steering angle			
→ *(FA)*	± 4'	± 60°	± 300°
→ *(RA)*	± 4'	± 9°	± 9°
Caster correction	± 4'	± 7°	± 10°

Devices

- Beissbarth Microline 4600 – 8
- MAHA scissor lift, with maximal allowed vehicle weight of 3,2 t

Software for controlling technology and data capturing

- Beissbarth

Available connections in the testing room

- Electrical connection: 16 A (as the case may be 32 A)
- Compressed air: 10 bar

Location

Fahrzeugtechnisches Versuchszentrum Dresden
Chair of Automobile Engineering
August-Bebel-Straße 32
01219 Dresden
(https://goo.gl/maps/QwMGh6A6cjm)

Contact name

Dipl.-Ing. (FH) Axel Gerhard
Driving dynamics, driving comfort
Email: axel.gerhard@tu-dresden.de
Tel.: +49 (0) 351 / 647 51944
Fax.: +49 (0) 351 / 463 37066