

# VOLKSWAGEN

AKTIENGESELLSCHAFT



VAS 6767

Wheel alignment and adjustment. At best.



## The new wheel alignment bay

### The new 4-post lift.

#### Perfect for measurement and adjustment.

#### Based on VOLKSWAGEN AG specifications.

- Electro-hydraulic drive with a load capacity of up to 4,000 kg
- Heavy-duty design (net weight 2,600 kg) for guaranteed stability and outstanding accuracy
- Extra-wide cross member for 3 m column spacing
- Locking mechanism for wheel alignment as standard
- Fine adjustment of runways with regard to cross member
- Runway geometry specially designed for VOLKSWAGEN AG vehicles
- Specific drilling pattern in runways for mounting fillers or pinning turntables

### Technical data:

|  |                               |
|--|-------------------------------|
| Dimensions   | 6,351 x 3,623 x 2,324 mm      |
| Power supply   | 3 x 230 V / 50 Hz, E+N / 16 A |
| Load capacity  | 4,000 kg                      |
| Max. lifting height                                      | 1,920 mm                      |
| Lifting time   | 45 Sek                        |
| Runway length  | 4,700 mm                      |
| Longitudinal column spacing<br>(floor plate-floor plate) | 4,285 mm                      |
| Runway width   | 630 mm                        |
| Clear width  | 2,940 mm                      |
| Distance between runways                                 | 950 mm                        |



## Complete, efficient, professional.

### VAS 6767 PC trolley.

Easy to move, equipped with a 27" TFT screen (special accessory), keyboard, multi-functional color printer integrated into the trolley as well as a DVD R/W drive.



### 3D sensor-head adapter.

Included as standard within the scope of delivery of VAS 6767. It features two measurement positions for standard and maximum wheelbase.

### VAS 6430 adjustment jig for ACC, lane departure warning, front camera and night vision assistant.

The FAS boards for the adjustment of the driver assistance system (2 pieces) are included in the scope of delivery of VAS 6767. The adjustment jig is perfectly matched to the VAS 6767 wheel alignment system. Depending on the circumstances given at the workshop, VAS 6430 is available as mobile or stationary equipment. Distribution via VOLKSWAGEN AG only.

## Wheel alignment with VAS 6767. Quick, precise, with low set-up times.



### Short set-up times for increased speed:

With the innovative Beissbarth magnetic clamps included as standard equipment, fitting the measurement boards onto the motor-vehicle wheels is extremely simple:

- Convenient alternative to universal clamp
- Quick and easy positioning on wheel bolts
- With sufficiently flat surface for magnetic wheel bolts
- For - 3-hole rims 98.0 - 112.0 mm Ø
  - 4-hole rims 98.0 - 130.0 mm Ø
  - 5-hole rims 98.0 - 139.7 mm Ø



Practical magnetic clamps ensure high set-up speed



### High measuring accuracy and precision for top results:

The combination of the Beissbarth stereo camera measurement system with CCD cameras as reference system and sophisticated software ensures the accurate determination of measured values: Toe and camber accurate to  $\pm 2$  angular minutes.

Further features:

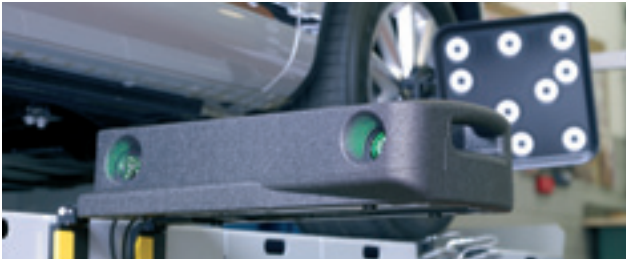
- Integrated reference system: No calibration required
- Impact-resistant, lightweight portable sensors
- No space required in front of or behind the lifting platform
- Passenger cars and light trucks with wheelbases between 1,800 and 3,400 mm
- Optional large rear axle measurement boards for wheelbases up to 4,300 mm

### Convenient initial measurement:

- Quick and easy live level measurement (optional) with markers attached by way of adhesive pads
- Rolling or driving run-out for calibration at ground level
- Three selectable measurement routines: program-driven, quick measurement, choice-free access to single-value check

### Convenient adjustment:

- Automatic target-value adaptation thanks to permanent level measurement (optional)
- Stable measured values at any height: The sensor heads move up together with the platform
- Complete measurement within less than 7 minutes including a large live display of the measured values on the PC screen.

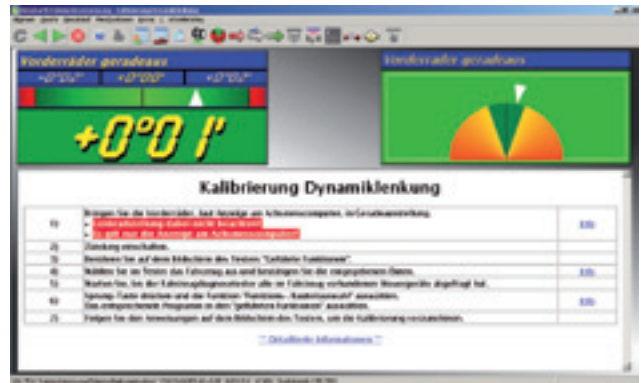


**Sophisticated software for maximum measurement and adjustment efficiency:**

- Real-time display of measured values combined with vehicle target data
- Visually animated adjustment instructions for third-party vehicles
- Several languages as standard for staff from EU countries

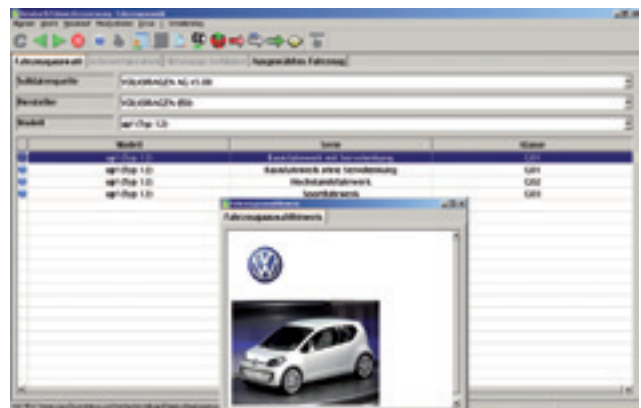


| Measurement options              | Measurement-accuracy | for measured-value range |
|----------------------------------|----------------------|--------------------------|
| 1. Total toe (front + rear axle) | ± 4'                 | ± 2°                     |
| 2. Individual toe (front + rear) | ± 2'                 | ± 2°                     |
| 3. Camber (front + rear)         | ± 2'                 | ± 3°                     |
| 4. Setback (front + rear)        | ± 2'                 | ± 2°                     |
| 5. Geometrical driving axis      | ± 2'                 | ± 2°                     |
| 6. Caster                        | ± 4'                 | ± 18°                    |
| 7. Steering axis inclination     | ± 4'                 | ± 18°                    |
| 8. Toe-out on turns              | ± 4'                 | ± 20°                    |
| 9. Caster correction range       | ± 4'                 | ± 7°                     |
| 10. Wheelbase difference         | ± 3'                 | ± 2°                     |
| 11. Side offset left/right       | ± 3'                 | ± 2°                     |
| 12. Track width difference       | ± 3'                 | ± 2°                     |
| 13. Axle offset (rear)           | ± 3'                 | ± 2°                     |
| 14. Full steering lock           | ± 4'                 | ± 43°                    |



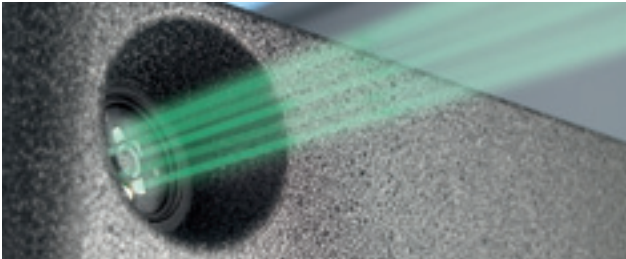
**Large vehicle target database – also for third-party vehicles:**

- All original data for VOLKSWAGEN AG models
- Over 30,000 items of target data from more than 130 third-party vehicle manufacturers
- Quick and easy data update via [www.beissbarth.com](http://www.beissbarth.com)



## VAS 6767.

### Technical data, special accessories, scope of delivery.



#### Technical data

##### Work place:

- Suitable for use on wheel alignment platforms and over pits.
- Width required approx. 600 mm more than runway outer dimension on each side

##### Dimensions and weight:

|                       |                              |
|-----------------------|------------------------------|
| Cabinet with sensors: | (HxWxD) 1520 x 1180 x 770 mm |
| Weight                | 110 kg                       |
| Sensor:               | (HxWxD) 150 x 370 x 650 mm   |
| Weight                | approx. 9.3 kg               |

##### Power supply unit:

|                 |                       |
|-----------------|-----------------------|
| Input voltage   | 100 to 240 V AC (10A) |
| Input frequency | 50 to 60 Hz           |
| Power           | 0.5 kW                |

##### Vehicles suitable for measurement:

|  |             |
|--|-------------|
| Cars and light trucks  | up to 3.5 t |
| Wheelbases between 180 cm and 340 cm with standard boards at the rear axle, and up to 430 cm with larger boards at the rear axle |             |

#### Special accessories

Depending on workshop equipment you need:

|   |                       |
|---|-----------------------|
| 4 universal clamps                                | BB-No.: 1 690 311 010 |
| 4 sets of clamping jaws, coated                   | BB-No.: 1 690 311 003 |
| 2 long sliding plates                             | BB-No.: 1 690 401 004 |
| Short ramp elements for sliding plates            |                       |
| Set of 2 for elevated working                     | BB-No.: 1 690 401 008 |
| Guard plate:                                      |                       |
| For fitting in platform adapters, over the sensor | BB-No.: 1 690 701 045 |
| Ramp kit (2 pieces)                               | BB-No.: 1 690 701 052 |
| Holder for wheel clamps, boards:                  |                       |
| accessories trolley                               | BB-No.: 1 690 701 041 |
| LCV boards  |                       |
| (for wheelbases above 340 cm, 2 for rear axle)    | BB-No.: 1 690 701 012 |
| Infrared remote control system                    |                       |
| (set with transmitter and receiver)               | BB-No.: 1 690 502 001 |

#### Scope of delivery

ASE 423 141 00 000

- PC trolley with 19" TFT, keyboard, multi-functional color printer, DVD R/W drive
- VW program software and target-data license
- 3D sensor heads (2 pieces)
- 3D measurement boards (4 pieces)
- DAS boards for the adjustment of the driver assistance system (2 pieces)
- Magnetic clamps with short and long magnetic pins (4 pieces)
- Platform adapters (2 measurement positions)
- Lift wiring set for the installation onto a 4-post lift, 15 m set of cables (2 pieces)
- High-precision aluminum turntables (2 pieces) with two filling bars each
- Steering-wheel holder and brake-pedal clamp
- Wall mount for the measurement boards
- Setscrews to fix the turntables in position on the lift
- Optional: Set of 4 ride-height markers



## VAS 6767.

Perfectly compatible with the VAS 6430 adjustment jig.



### For ACC, lane departure warning, front camera and night vision assistant:

The VAS 6430 adjustment jig adjusts the radar sensor of the ACC and calibrates the image sensor of the lane-departure warning system. The FAS measurement boards are included in the standard scope of delivery of the VAS 6767 wheel alignment system.

#### Features:

- Compatible with all VW-approved wheel alignment devices
- Available as mobile or stationary equipment
- Individual components can be retrofitted; e.g. for the adjustment of the night vision assistant

**Distribution via VOLKSWAGEN AG only.**

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38436 Wolfsburg  
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For internal use only.  
Technical modifications are subject of change.  
Images may show special accessories not included  
in standard delivery program.

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