

# VAS 701 011

Next generation wheel alignment



# Zero-space wheel alignment



# No trolley, full mobility, infinite possibilities.

Onboard image processing in real time and powerful Li-ion batteries replace the complete trolley with PC and ensure maximum mobility.

- Completely wireless
- No trolley, no column, no space problems
- Tablet-operated, even from underneath the vehicle
- Position anywhere to measure, even on the ground

The VAS 701 011 eliminates space concerns and frees up the entire alignment bay.







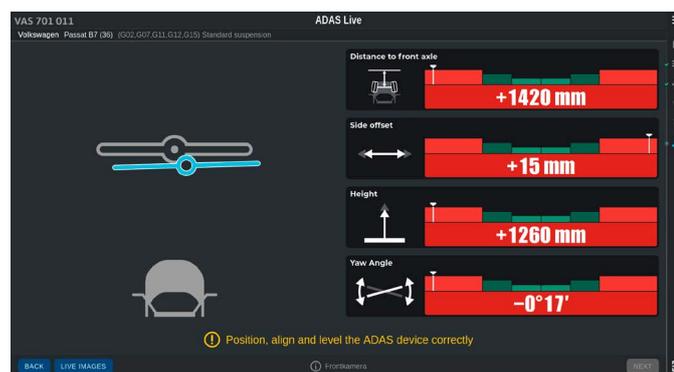
# ADAS calibration: easier, faster and without space problems

The VAS 701 011 positions the VAS 6430 fixture for ADAS calibrations completely digitally.

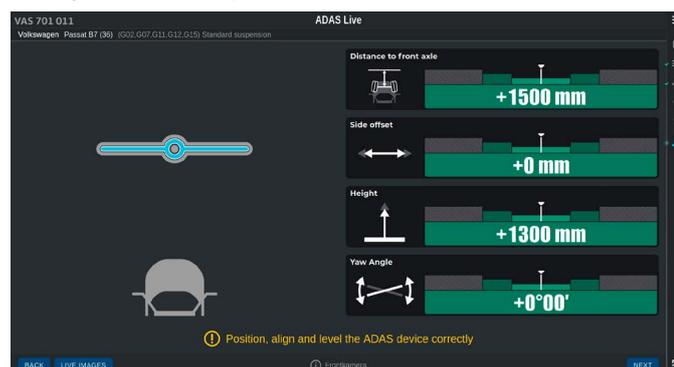
Real-time positioning with wheel alignment cameras instead of measuring tapes simplifies and speeds up the entire calibration process.

- Digital positioning in distance, height, centricity and yaw angle in one step instead of four
- Automatic compensation of clamping errors, rim run-out and height differences
- VAS 6430 permanently in front of the vehicle: no setup times, no repositioning, no loss of time
- Complete documentation for third parties

## Realttime positioning - easy and fast



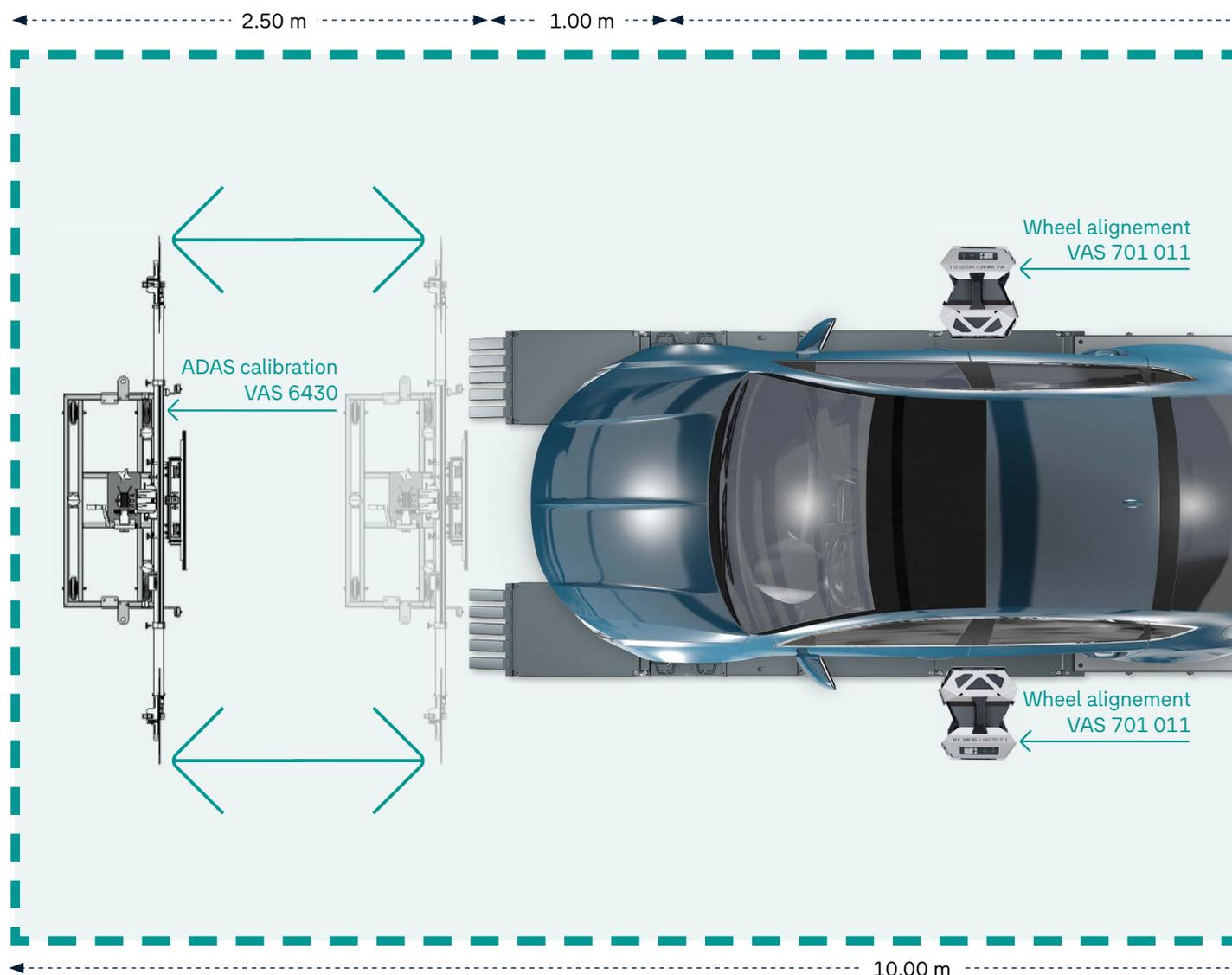
Misalignments instantly visible

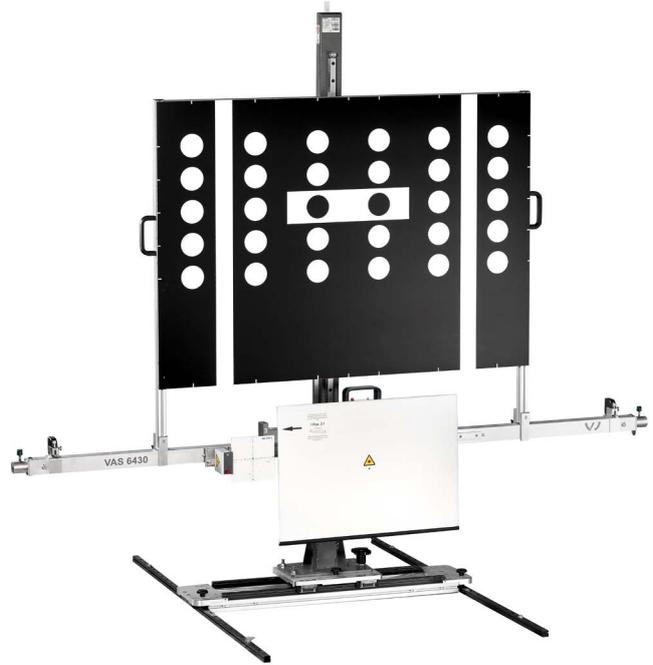


Correct positioning in no time

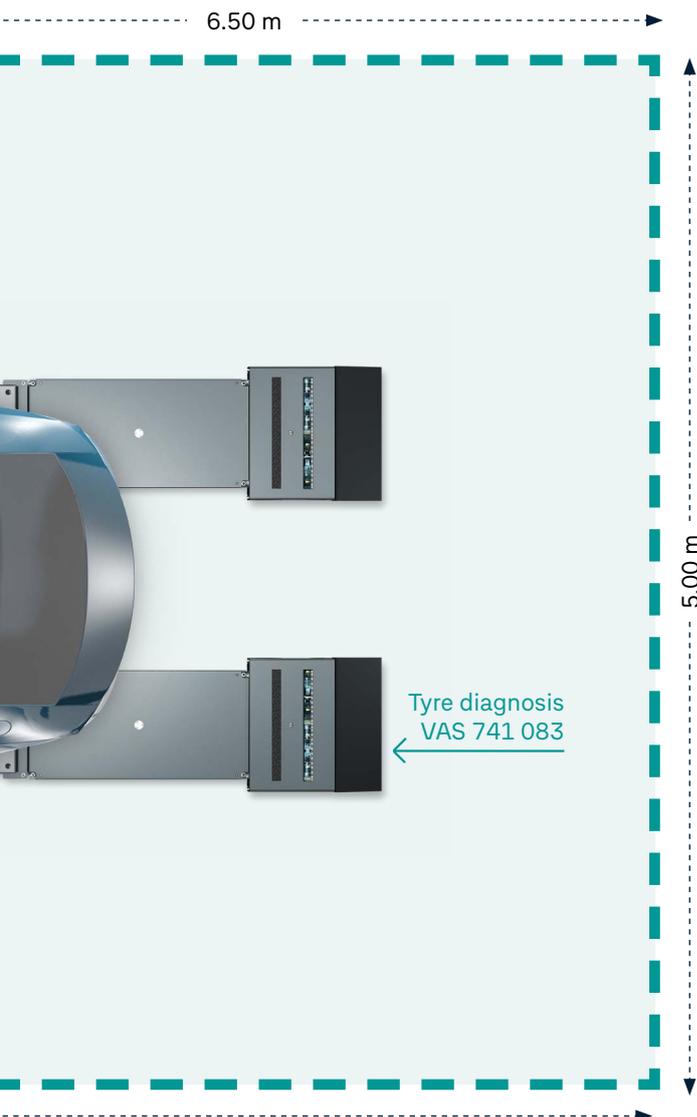
# Enough space in every workshop

The space-saving design of the wheel aligner VAS 701 011 permanently frees up space in the workshop for ADAS calibrations with the VAS 6430





VAS 6430 with rail system VAS 6430/7



Since 2022, new vehicles in Europe are only sold with safety-relevant driver assistance systems (ADAS). Even today, ADAS sensors have to be recalibrated after many repairs, especially wheel alignment. This means new sales potential for workshops.

Only correctly calibrated driver assistance systems provide the safety in critical situations. ADAS calibration has long since become an indispensable service for workshops.

**ADAS calibration mandatory:**

- after accident repairs
- after windshield replacements
- after replacing ADAS sensors
- after wheel alignments and after many other repairs

**VAS 701 011: Teamplayer in the workshop**

Thanks to its small footprint, the wheel aligner VAS 701 011 enables ADAS calibration and wheel alignment on the same workstation.

# Wheel alignments in perfection

## Next-generation measurement technology

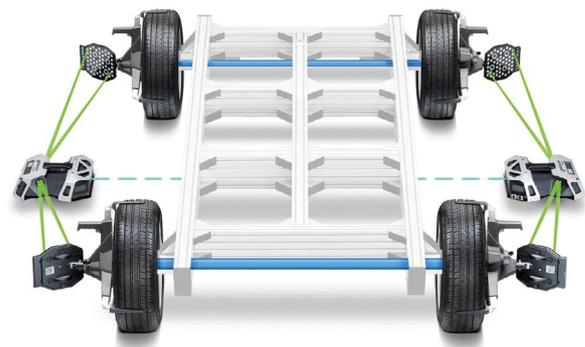
The two measurement pods are equipped with a total of four OLED displays and an active reference system. This allows for easier adjustments with a straight steering wheel, guaranteed.

The active reference system from left to right pod compensates movements and vibrations in realtime. This means that the position in relation to the vehicle can be compensated in 3D at any time during the measurement.

- Reliable values in every height of the lift
- Guaranteed straight steering wheels
- Compensation of movements and vibrations

The OLED displays show the toe, camber and caster values for each wheel. This makes it easy to make adjustments under the vehicle, no matter the height of the lift.

- Measured values always in view – even from underneath the vehicle
- Both hands free during all adjustment work
- Display moves with lift to desired height, depending on the height of the mechanic



With the four OLED displays, the values for each wheel are always in sight from under the vehicle. Both hands remain free and the mechanic can concentrate fully on setting the toe, camber and caster. The OLED technology ensures clear visibility of the values, regardless of the distance, angle, or contrast.

## Corner weight distribution for optimum vehicle handling directly integrated into the alignment software

- Realtime wheel loads and cross weight in combination with the weight scales VAS 701 009
- Direct transmission and display of the weights during the entire wheel alignment process
- Documentation of the cross weight directly in the wheel alignment report

As changes in the weight distribution affect the wheel alignment and vice versa, suspension tuning can be carried out in one go, in one software program. Without constantly switching back and forth between devices and programs. This saves time and avoids tensions in

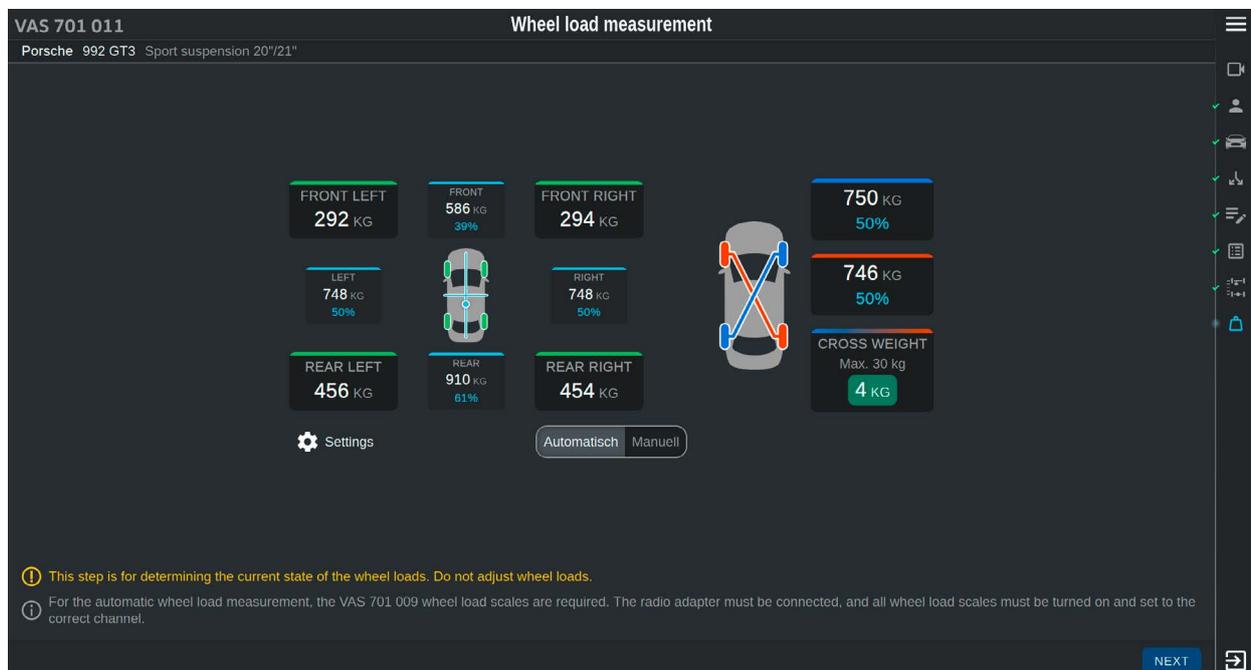


Weight scales

the suspension caused by constantly moving the vehicle between different bays.

VAS 701 009

ASE 701 009 80 000



Weight scales – easy and precise

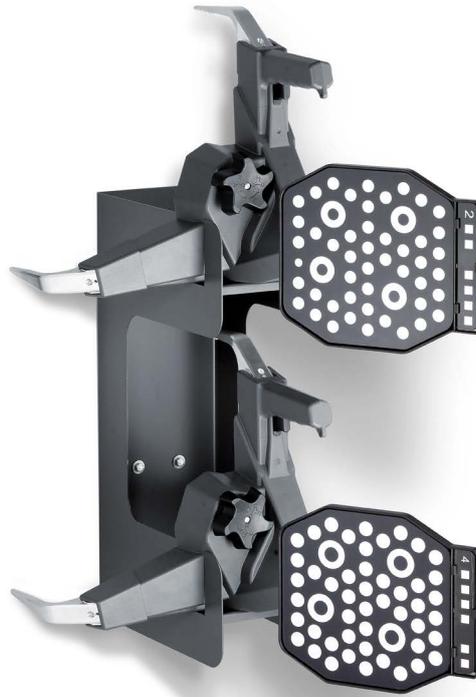
# Ready, steady, done!

With the Q.Grip clamps, the targets are mounted in seconds – without any contact with the rim.





Practical wall mount



## Taking full control with Q.Grip

**The Q.Grip wheel clamps allow quicker mounting without removing hubcaps or plastic caps and without any contact to the rim.**

Attach the Q.Grips in seconds. For small and large wheels from 525 to 835 mm wheel diameter.

- Rapid switching between different wheel sizes
- No knob-twisting to adjust to different wheel sizes
- No touching, no scratching of rims
- Three arms for a secure and precise hold throughout the complete alignment process
- Save time with every alignment.
- To shorten walking distances, the Q.Grip wheel clamps - when not in use - can be stored in the two wall adapters to the left and right of the vehicle.

# Wheel alignment made easy



Service

**Autohaus Sieger**  
Siegestraße 37  
80337 München  
+49 (89) 14901-0

2024-06-07  
7:43

Customer number: KD12345  
Order number: 20244789

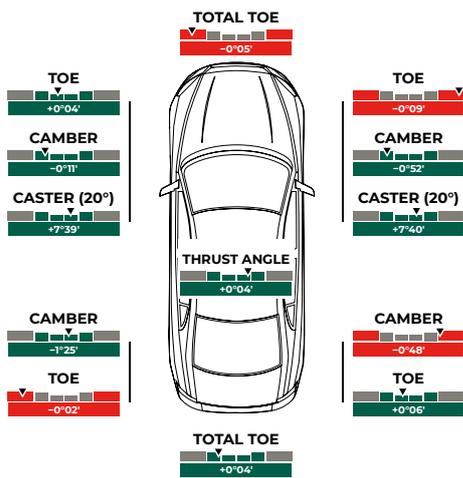
## CUSTOMER AND VEHICLE

**Max Mustermann**  
Musterstraße 1  
12345 Musterhausen

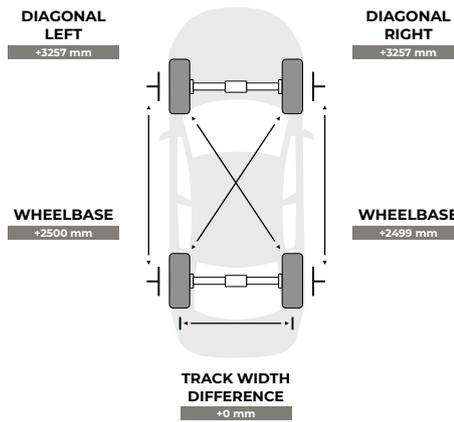
**M-BB 1234**  
Mileage: 39293 km

**Volkswagen Passat B7 (36)**  
(G02,G07,G11,G12,G15), Standard suspension

## ALIGNMENT CHECK



## BODY DIMENSIONS CHECK



## WHEEL SETBACK

	<b>FRONT</b>	-3 mm
	<b>REAR</b>	-2 mm

## SIDE OFFSET

	<b>LEFT</b>	+3 mm
	<b>RIGHT</b>	-3 mm

## AXLE OFFSET

	<b>CENTER</b>	-3 mm
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BEFORE ADJUSTMENT

## ADAS

Calibration of front camera has been performed.  
Adjustment of ACC/ADR radar sensor has been performed.

## USER INPUT

Ride height front axle: left 380 mm / right 375 mm  
Ride height rear axle: left 381 mm / right 383 mm

## COMMENT

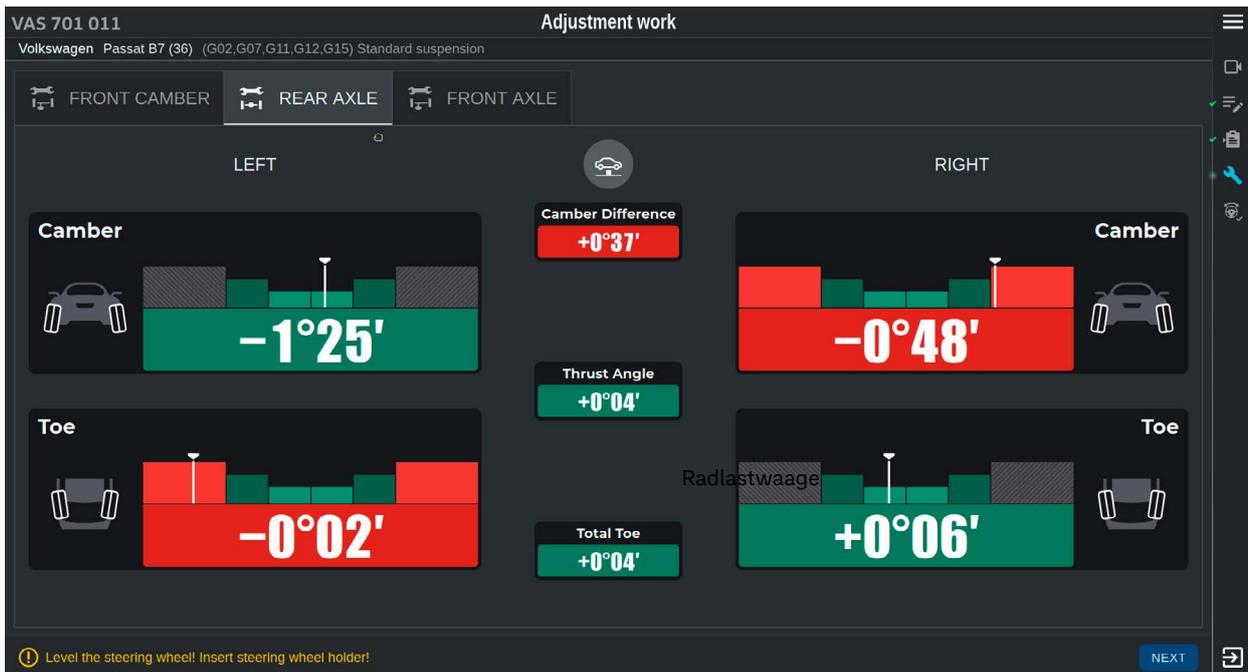
Vehicle pulling to one side

Runout compensation has been performed



Last Maintenance:  
2024-06-06 16:59

v42\_vas, VehicleSpecs VAS 45.00  
110075



Clear and intuitive graphics

## Quick software, intuitive workflows, easy-to-understand printouts

The software of the VAS 701 011 sets a new benchmark in terms of speed.

- Intuitive program sequences promote rapid familiarization
- Clear display and graphics simplify operation
- Protocols optimized for easy understanding by the end customer
- Automated intermediate steps save clicks and walking distances around the vehicle
- Reactive software shows movements in realtime



Accessible via any web-based device, the VAS 701 011 redefines efficiency in the workshop

- Automatic compensation of common errors
- Quick accident assessment with cross-diagonal measurement

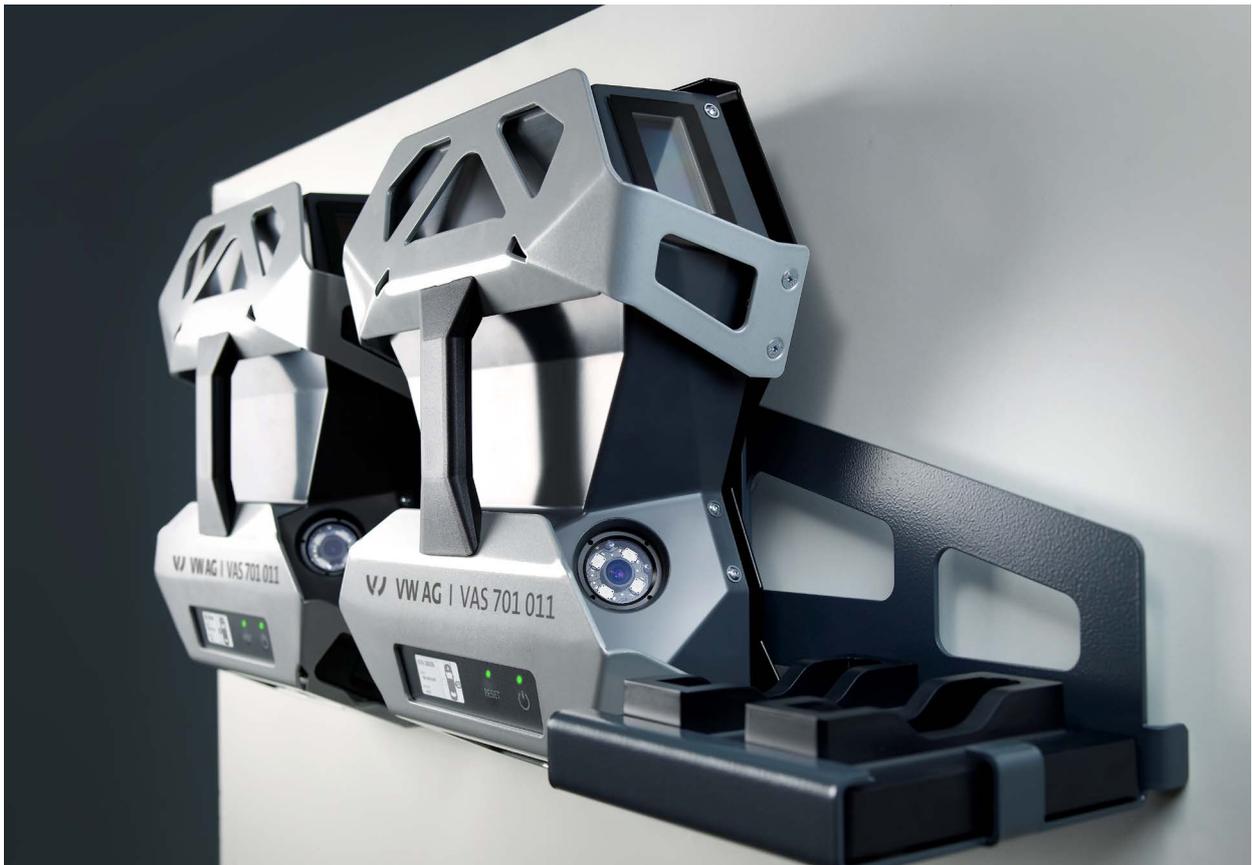
Wheel alignment has never been so easy! The VAS 701 011 software guides users of all levels of experience safely through the entire alignment process.

## Connectivity first: Seamless integration into every workshop network

VAS 701 011 forms its own measurement network that merges with the workshop network. This enables workshops to increase their efficiency:

- Access to customer reports as PDF from any PC in the network
- Connection to Workshop-Net (ASA) included as standard
- Edit customer data conveniently from the office – instead of in the workshop
- Print reports via network printer
- Control the wheel alignment program with any device in the same network

**Unleash the full power of the VAS 701 011 by integrating it into your workshop network!**



The entire wheel aligner can be mounted on the wall to save space. The space in front of the lift remains free for ADAS calibration

**Every target carries a QR code with the calibration parameters attached to its reverse side. Scanning the code automatically transfers the exact measurement coordinates during the initial setup.**

- No calibration necessary
- Plug & play
- Highest precision guaranteed

Thanks to this patented setup procedure, the targets can easily be switched among the wheel clamps without the any of pre-compensation, e.g. Porsche central clamps or magnetic clamps.

**Each target carries its own coding between 1 and 8 on the frontside. This coding is assigned to the scanned QR code during the setup process. This allows the VAS 701 011 to automatically pull up the right calibration parameters for each target it recognizes.**

- Each target can be attached to any wheel
- Eliminates clamping errors
- Stores up to eight targets per system

Targets #1 to #4 are included as standard. Additional targets can be added as an option.



Quick setup of new targets – simply by scanning the QR Code

# VAS 701 011

## Scope of delivery

Complete scope of delivery with all accessories for wheel alignment, including hardware for positioning the VAS 6430 for ADAS calibration!

VAS 701 011	
Wheel base	1,500 to 4,500 mm
Measure and adjust at any lift heights	0 to 2,000 mm
Q.Grip clamping diameter	525 - 835 mm
Power supply	100 - 230V / 1Ph / 50 - 60Hz
Output	45 W
Weight	80 kg
Shipping dimensions	1,080 x 960 x 900 mm
Workshop net	included

### Product

VAS 701 011 ASE 701 011 90 000

### Optional accessories (available H2/2024)

VAS 701 011/1 ASE 701 012 80 A00

#### Crafter Adapter

2 magnetic clamps Ø 205 mm  
bolt circle for front axles

VAS 701 011/2 ASE 701 012 80 B00

#### 2 ADAS targets

2 target boards (#5 and #6) that can remain permanently on the ADAS fixture

VAS 701 011/3 ASE 701 012 80 C00

#### Trolley

Including 27" monitor and mouse, keyboard has to be ordered separately

### VAS 701 011

- 2 measurement pods
- 1 display module
- 4 targets (wheel alignment and ADAS calibration)
- 4 Q.Grip wheel clamps
- 1 Android tablet with protective sleeve
- 1 brake lock
- 1 steering wheel lock
- 2 electronic turntables with encoder for maximum steer
- 2 connecting cable for turntables
- 4 filling pieces for turntables
- 1 wall mount
- 2 Li-Ion batteries
- 1 charging station for batteries
- 1 vehicle specs Key Card VW AG
- 1 vehicle specs Key Card international
- 2 lift adaptation



Optional trolley VAS 701 011/3

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K-AVO-LW/4 - Literature and systems

Letter box 011/49150  
38436 Wolfsburg/Germany

Subject to technical changes.  
Stand: 21<sup>st</sup> June 2024