



VAS 6421

3D Wheel Aligner

Approved by Volkswagen AG



WORKSHOP
EQUIPMENT





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VAS 6421 – the third dimension of wheel alignment

Offering quicker alignment times with increased accuracy and stability the VAS 6421 stands for reliable wheel alignment and premium design quality. Not only does it add to the professional appearance of your workshop, but it also improves productivity and performance levels.

Unique features of VAS 6421:

- Employing John Bean's sophisticated 3D digital imaging technology, the VAS 6421 measures the vehicles alignment in 3 dimensional space, thereby delivering absolutely accurate data much better than conventional alignment systems.
- Thanks to the intuitive, user-friendly software the alignment process flows almost automatically. This facilitates operation and helps to minimise the risk of input errors.
- The VAS 6421 aligns a car quicker than conventional alignment systems. The operator only has to enter some basic data, mount the four targets to the wheels, and gets complete alignment readings within minutes.
- Live graphic displays are shown when making adjustments on the vehicle.
- The VAS 6421 is available with mobile camera lift, hence presents the ideal drive-through solution for instance for check-in.
- The high-definition cameras automatically follow the vehicle when lifted or lowered.
- VAS 6421 does not require conventional run-out compensation, therefore no jacking of the vehicle is required. Instead a simple time saving operation called vehicle positioning is performed where the vehicle is rolled a short distance backwards and then forward. The VAS 6421 has the most flexible and shortest positioning distance among aligners world-wide, which increases its flexibility and reduces investment into sophisticated, expensive lifts.
- Our extensive service network and dedicated training centre guarantee a professional technical backup, from initial product training right through to after-sales service and support.
- VAS 6421 complies with VAG workshop standards. It can be easily integrated into garage network systems and vehicle specs can be downloaded via the intranet.

This option facilitates exact wheel alignment: ACC/ADR and LDW calibration, required on some of the more recent VW and AUDI models, can be performed using a single camera. Unlike other alignment systems the targets remain on the wheel, avoiding the time-consuming task of re-location.



Extent of delivery

3D digital camera system with self-synchronising cameras	•
Camera beam lift	•
Mobile control terminal	•
PC with Pro 32 software, vehicle specs, VW specs	•
HDD, DVD and floppy drive	•
19" TFT flat screen	•
A4 colour printer with data lead and power cord	•
Loud speaker	•
IR remote control unit	•
Set of 4 wheel clamps (clamping capacity 11"–22") including targets	•
Steering wheel holder	•
Brake pedal lock	•

Technical data

	Measuring range	Resolution
Single wheel toe, front / rear end	± 35°	1'
Total toe, front / rear end	± 60°/40°	1'
Max. steering angle	50°	1'
Camber, front / rear end	± 55°	1'
Caster, front end	± 30°	1'
SAI	± 30°	1'
Thrust angle	± 35°	1'
Power supply	V	115 – 230
Mains frequency	Hz	50/60
Operating temperature	°C	0 – +45
Resolutions of readings, available in	grade sec.	1/100
	degrees	1/60
	inch	1/64
	mm	0.1

Snap-on® Equipment

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