VOLKSWAGEN

AKTIENGESELLSCHAFT

Workshop equipment
Manufactured by Snap-on

TSS TOTAL SHOP SOLUTIONS Snap-on

Principles and processes we apply to create value

Founded on our mission and beliefs, these are strategic processes we use daily to create value across Snap-on, with the strategic partners we embrace and in the acquisitions we make.

Our commitment to safety is unwavering. Since 2004, we have achieved a 94% reduction in our safety incident rate and we will continue our emphasis on safety as we move forward.

The serious professionals who use our productivity solutions demand superior quality. For over 95 years, Snap-on has been providing just that. Again in 2015, automotive technicians continued to rate Snap-on as the best brand in major product categories.

Through our legions of mobile stores, direct sales forces and distributors across the globe, we make thousands of daily contacts with professionals in their workplaces. Each of these contacts represents an opportunity to understand in depth our customers' wants and needs, which we believe provides Snap-on with an important strategic advantage.

We thrive on innovation. Our customer connection processes help us understand the needs, we make thousands of daily contacts with professionals in their workplaces. Each of these contacts represents an opportunity to understand in depth our customers' wants and needs, which we believe provides Snap-on with an important strategic advantage.

We apply a structured set of tools and processes to eliminate waste and improve our operations.
RCI has been critical to our operating income improvements and will continue to be an important ingredient in our progress going forward.

3D Wheel aligner
VAS 701 001

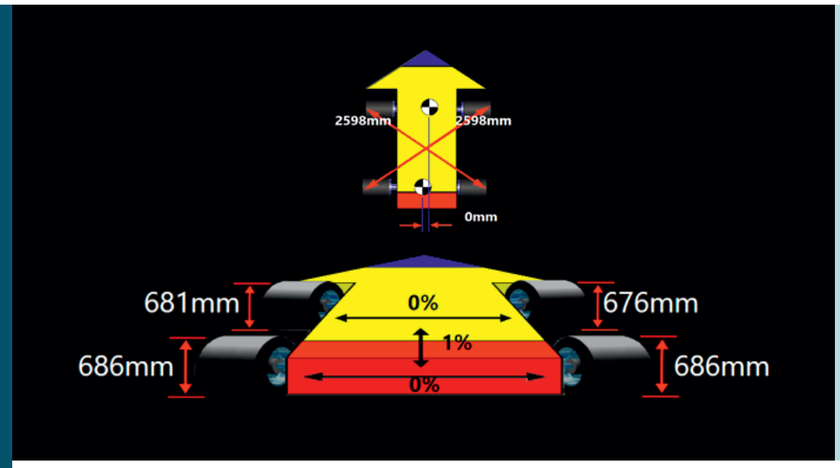
Unique feature!

Wireless system provides flexible installation and usage options. Patented digital camera tracking automatically adjusts to the height of the vehicle.

Time saving and more convenience during the complete alignment process. The operator has to do less working steps and can align more vehicles per day.

Maximized accuracy, repeatability and flexibility

- Only 2 cameras are required to record targets! Lower probability of failure and lower energy costs
- An integrated third camera permanently calibrates the system
- Self-calibrating multiple times a second
- Ultra high resolution cameras to image the four targets on the wheel
- 3-Camera design
- Easy installation and flexible configuration
- Professional results and high productivity
- Mobile control terminal and 27" flat-screen monitor
- Light weight targets
- Rim clamping range 11" - 22"
- Easy assembly - covers complete VAG car park from !up to Crafter
- Pro42 user software: a high-resolution ICON-based software program, with integrated VAG procedures
- Complete and up-to-date vehicle specs (VAG and non-VAG vehicles)
- VAG specs updated via the VOLKSWAGEN Network
- Software includes numerous features designed to improve the efficiency and effectivity of the alignment technician, such as caster sweep, rolling radius, cross diagonal measurement, A-arm adjust, cradle adjust and EZ Toe for easy toe adjustment of points difficult to access



Get a complete picture of the condition of your vehicle in less than 2 Minutes!

VAS 701 001 is the only measuring device which measures vehicle dimensions during positioning:

- track width
- wheelbases
- diagonal distance between the wheel centers

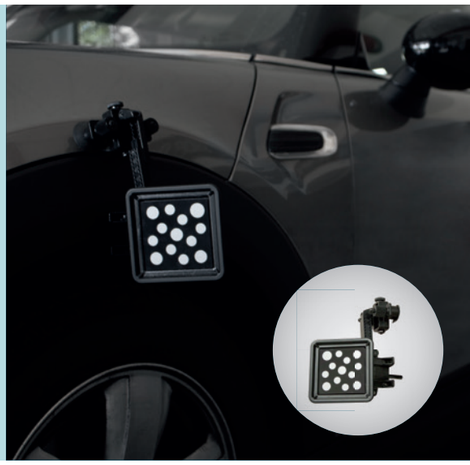
are measured LIVE!

Prevents from incorrect alignment! - avoids the operator trying to align a damaged chassis.

Ride height measurement
Volkswagen AB requires ride height measurement for over 90% of their vehicles. VAS 701 001 is equipped with ride height measurement by using small targets (set of four) which can be easily attached to the wheel. The ride height is now measured without manual entry.
The targets are the same for all VAG vehicles and stored inside the cabinet.

Unique features:
Ride height targets are mounted by suction cups. This allows much faster and precise mounting.

Ride height targets are aligned via the aligner software - no spirit level is required.

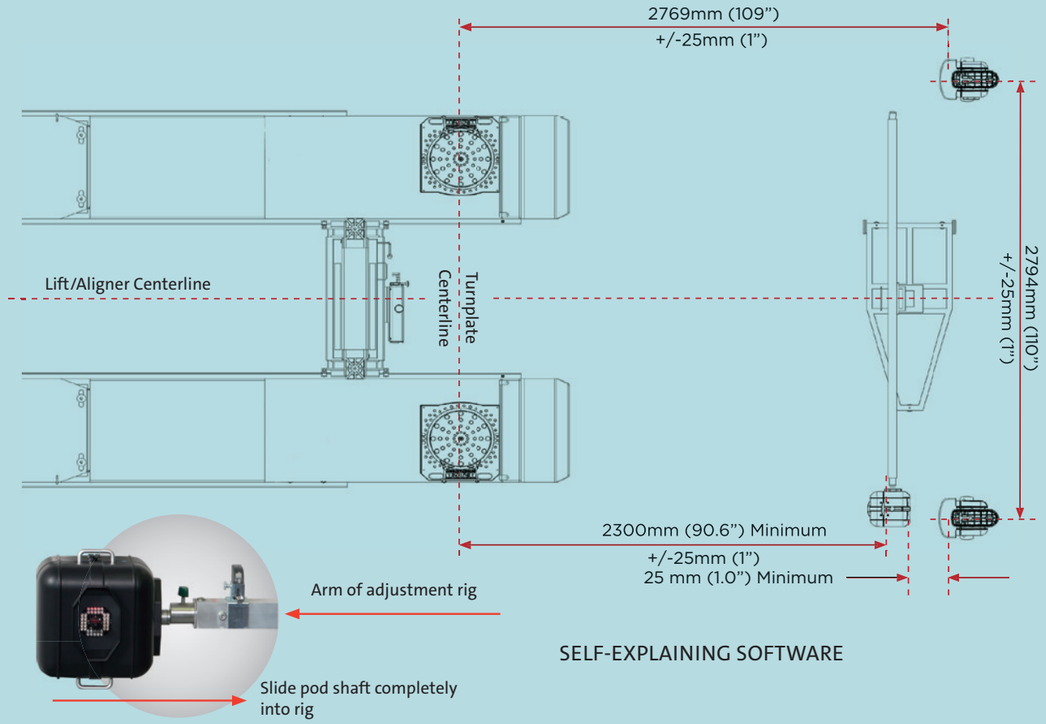


Driver assist specials
VAS 701 001

Unique feature:
The VAS 6430 is aligned with VAS 701 001 to calibrate the front camera(s) in all parameters (e.g. distance, side to side offset, vertical rotation) with the support of the software.

No measuring tape necessary!
Faster, more precise and easier to use for the operator!

Installation layout



SELF-EXPLAINING SOFTWARE

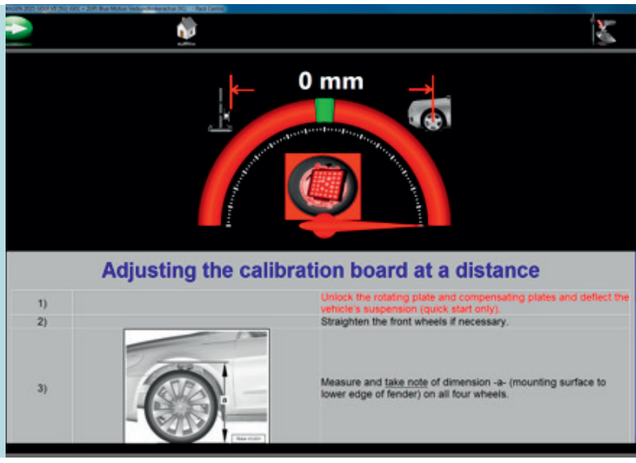
For the adjustment / calibration of assistance systems, only one additional camera on VAS 6430 (control camera) is necessary which can be used left or right to the direction of travel of the vehicle – measuring procedure is faster, allowing operators to measure more vehicles per day.

The control camera does not need to be leveled - saves time!

Camera for preparation of calibration of driver assist functions- VAS 701 001/1. Simple mounting to the VAS 6430.

With VAS 701 001 the position of the VAS 6430 is permanently monitored during the calibration/adjustment of the ADAS. Changes in the travel axis or distances of the VAS 6430 to the vehicle are immediately displayed to the operator (optically & acoustically)

Unique feature!
Value for the customer: Each lift on the market has a different height. With VAS 701 001 the operator only has to enter the lift height into the software ONCE. The VAS 701 001 calculates by itself the correct height of the VAS 6430!
Fast, reliable, accurate!



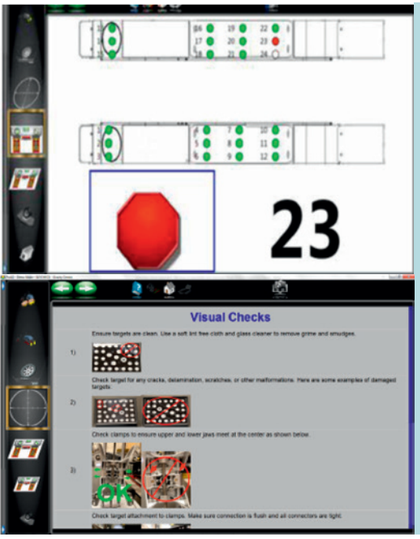
Unique features:

Plausibility Check
Working with new, sophisticated, multiple suspensions in modern vehicles the accuracy of measurement becomes more important.
To check easily and make sure day by day that your wheel aligner is working properly and according to the given specs use the plausibility check function. This unique software feature enables the operator to check wheel aligner and environment. On customer request the operator can submit a test report.

Integrated in the software and self-explanatory.

- Helps you to easily meet the VAG alignment requirements!

Your Advantage:
- No other machine on the market can check and address the complete alignment surrounding
- Issues easily identified
- Saves a lot of time in your daily work
- Almost NO come-backs to the garage
- No more customer complaints
- Perfect control of the aligner



Rack Check - check the complete working area!
Check all points that could negatively influence the accuracy and repeatability of measurement:

- Rack
- Hardware parts
- Turnplates
- Surroundings

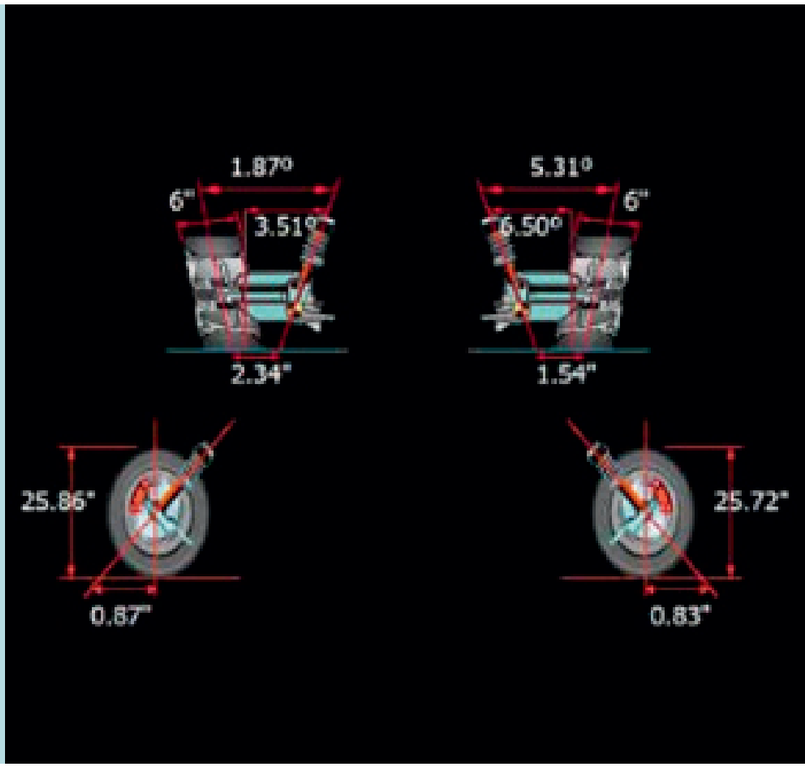
Both features integrated in the software and self-explanatory.

- Assures that the aligner works properly
- Saves service, time and money
- Prevents bad alignments!

Live caster measurement

Live caster measurement
No additional program is required to adjust the caster. The only wheel alignment with which the caster is measured as a real angle and is permanently available as a "live" angle during the setting.

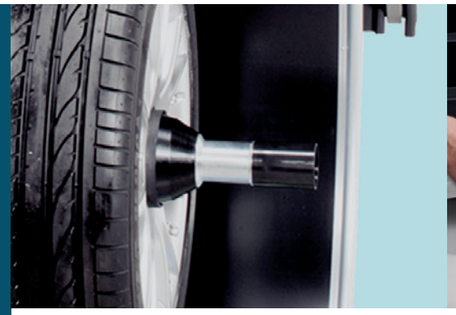
During swing procedure the scrub radius and caster trail are also measured. Scrub radius or its change (rim modifications with different offset) has a direct influence on the driving behaviour of modern vehicles and can be diagnosed with VAS 701 001.



Mobility kit
Very flexible system in combination with the mobility kit.
Unit can be removed and re-positioned - does not need to be re-calibrated

Wheel balancers

Balancing technology at its finest

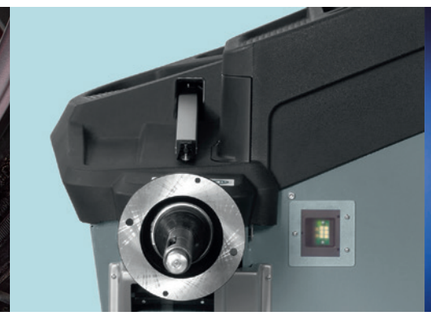


Power Clamp™
The Power Clamp™ device: effortless, secure, accurate and fast wheel locking.

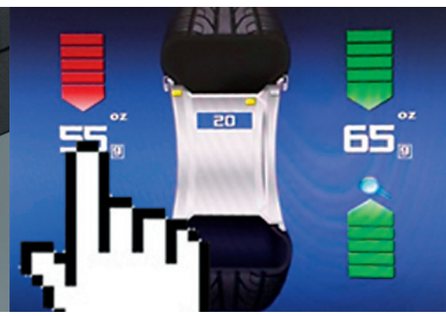
geodata®
Patented technology for accurate wheel dimensions measurement and easy positioning of adhesive weights.

geoTOUCH™
Intuitive as a video balancer, fast user interface, large digits, touchscreen and antiglare display.

easyWEIGHT™
The pinpoint, fast and easy solution to position adhesive weights on the wheel.



Wheel guard
Patented telescopical wheel guard: no additional space required behind the machine.



Stop in position
The operator only has to touch the amount of unbalance on the screen and the wheel is automatically indexed to correction position.

VAS 6311A

Wheel diagnostics made easy - completely automatic with diagnostics features

- Five hi-res 3D imaging technology cameras scan the entire wheel and rim profile including tread surface, sidewall, bead seat and rim flange
- VPM measurement technology for uncompromised accuracy
- Power Clamp™, unique torque-controlled wheel clamping
- Automatic acquisition of rim diameter, rim width and offset
- Automatic selection of balancing mode and weight position
- Automatic detection of number and position of spokes
- Radial and lateral run-out combined with unbalance measurement in a single fast measuring run
- Tyre pull effect (tyre conicity)
- Tread depth and wear analysis
- Tyre wear-out prediction
- Alignment pre-checking
- All diagnostic results in brilliant 3D colour maps

VAS 6311A		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20 (3–15.8)
– Rim diameter auto.	inch	8 – 32
– Rim diameter man.	inch	8 – 32
Max. wheel width	mm	508
Max. wheel diameter	mm	950
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1450 x 990 x 1710
Weight	kg	210
Power supply		230 V, 1 ph / 50/60 Hz

VAS 741 029

Car wheel balancer with non-contact data entry and diagnostic functions

- Radial run-out combined with unbalance measurement in a single fast measuring run
- VPM measurement technology for uncompromised accuracy
- Power Clamp™, unique torque-controlled wheel clamping
- Offset and diameter acquisition via laser scanner
- Rim width acquisition via Smart Sonar™
- Automatic selection of balancing mode and weight position
- Stop-in-Position: touch the display and the wheel goes to weight-placement position
- easyWEIGHT™, a laser spot shows exactly where to place the weight
- The telescopic wheel guard allows the installation against the wall
- Bright rim illumination thanks to iLED™
- Split weight mode, weight minimization and optimization
- Network: printing capability, compatible with asanetwork

VAS 741 029		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20 (3–15.8)
– Rim diameter auto.	inch	14–26
– Rim diameter man.	inch	8 – 32
Max. wheel width	mm	508
Max. wheel diameter	mm	1050
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1940 x 1020 x 1570
Weight	kg	183
Power supply		230 V, 1 ph / 50/60 Hz

VAS 741 019 (VAS 741 017)

Wheel balancer with touchscreen monitor

- VPM measurement technology for uncompromised accuracy
- Power Clamp™, unique torque-controlled wheel clamping
- Offset and diameter acquisition via laser scanner
- Rim width acquisition via Smart Sonar™
- Wheel lift included
- Automatic selection of balancing mode and weight position
- Stop-in-Position: touch the display and the wheel goes to weight-placement position
- easyWEIGHT™, a laser spot shows exactly where to place the weight
- The telescopic wheel guard allows the installation against the wall
- Bright rim illumination thanks to iLED™
- Split weight mode, weight minimization and optimization
- Network: printing capability, compatible with asanetwork
- VAS 741 017: version without integrated wheel lift. Dimensions (W x D x H): 1380 x 1020 x 1570 mm, Weight: 135 kg

VAS 741 019		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20 (3–15.8)
– Rim diameter auto.	inch	14–26
– Rim diameter man.	inch	8 – 32
Max. wheel width	mm	508
Max. wheel diameter	mm	1050
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1940 x 1020 x 1570
Weight	kg	170
Power supply		230 V, 1 ph / 50/60 Hz

VAS 741 059 (VAS 741 057)

Wheel balancer with geoTOUCH™ display

- VPM measurement technology for uncompromised accuracy
- geoTOUCH™ display
- Power Clamp™, unique torque-controlled wheel clamping
- Offset and rim diameter acquisition via geodata® gauge arm
- Rim width acquisition via Smart Sonar™
- Wheel lift included
- Pre-selection of balancing mode via easyALU™
- Stop-in-Position: touch the display and the wheel goes to weight-placement position
- easyWEIGHT™, a laser spot shows exactly where to place the weight
- Bright rim illumination thanks to iLED™
- Split weight mode, weight minimization and optimization
- The telescopic wheel guard allows installation against the wall
- Network: printing capability, compatible with asanetwork
- VAS 741 057: version without integrated wheel lift. Dimensions (W x D x H): 1380 x 1020 x 1570 mm, Weight: 135 kg

VAS 741 059		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20 (3–15.8)
– Rim diameter auto.	inch	8–30
– Rim diameter man.	inch	8–32
Max. wheel width	mm	508
Max. wheel diameter	mm	1050
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1380x1020x1570
Weight	kg	170
Power supply		230 V, 1 ph / 50/60 Hz

VAS 6309P

Digital wheel balancer with large LCD display

- VPM measurement technology for uncompromised accuracy
- Conspicuous LCD display
- geodata® for easy input of all wheel data
- easyWEIGHT™, a laser spot shows exactly where to place the weight
- Pre-selection of balancing mode via easyALU™
- Automatic orientation of wheel into correction plane after the measuring run
- geodata® AutoStopSystem for positioning of adhesive weights with patented weight clamp
- Bright rim illumination thanks to Rim lighting and mirror
- Split weight mode, weight minimization and optimization
- 9 user profiles
- Also available with Power Clamp™, unique torque-controlled wheel clamping

VAS 6309		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20
– Rim diameter auto.	inch	8–25
– Rim diameter man.	inch	8–30
Max. wheel width	mm	530
Max. wheel diameter	mm	950
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1365 x 910 x 1375
Weight	kg	148
Power supply		230 V, 1 ph / 50/60 Hz

VAS 741 055

Car wheel balancer with geoTOUCH™ display

- VPM measurement technology for uncompromised accuracy
- geoTOUCH™ display
- Power Clamp™, unique torque-controlled wheel clamping
- easyWEIGHT™, a laser spot shows exactly where to place the weight
- Offset and diameter acquisition via 2D SAPE
- Rim width acquisition via Smart Sonar™
- Pre-selection of balancing mode via easyALU™
- QuickBAL™: short start-stop cycle: 4.5 seconds (15” rim)
- Stop-in-Position: touch the display and the wheel goes to weight-placement position
- Split weight mode, weight minimization and optimization
- Two users with rapid switch function
- Network: wifi connectivity, printing capability, compatible with asanetwork

VAS 741 055		
Rim centre bore diameter	mm	43–116
Measuring speed	rpm	> 200
Input:		
– Rim width (auto.)	inch	1–20 (3–15)
– Rim diameter auto.	inch	8 – 25
– Rim diameter man.	inch	8 – 32
Max. wheel width	mm	508
Max. wheel diameter	mm	1050
Max. wheel weight	kg	70
Dimensions (W x D x H)	mm	1838x878x1834
Weight	kg	140
Power supply		230 V, 1 ph / 50/60 Hz

Tyre changers
wdk certified for best performance

VAS 6616

Automatic tyre changer with dynamic bead breaking

- Thanks to dynamic procedures and controlled power, all tyre changing operations are accomplished efficiently by preserving tyres and rims and reducing operator effort.
- Non-contact detection of rim contour by a laser scanner.
- Automatic control of mounting and demounting tools from the control console.
- Thanks to the lift, lift the wheels are positioned on the clamping flange automatically, accurately and say instead without operator effort.
- Hydraulic clamping of wheel on the clamping flange via quick-clamping nut.
- Rotating bead breaker discs gently follow the rim contour when breaking tyre beads.
- Tools specially designed for gentle handling of tyre and rim.
- The control console is located at an ideal level for convenient control and monitoring of the individual work steps.

VAS 6616		
Inner clamping range	inch	12 – 26
Outer clamping range	inch	-
Max. rim width	inch	16
Max. tyre width	inch	17
Max. wheel diameter	mm	1200
Max. wheel weight	kg	70
Max. bead breaking width	mm	-
Dimensions (W x D x H)	mm	1290/1350x2240x1850
Weight	kg	820
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 / 14

smartSpeed™

smartSpeed™ is the innovative technology applied to Tyre Changers that optimizes the torque and maximizes the rotation speed. Tyres are always more sophisticated and more difficult to change; The "**Danger zone**" is the area where the bead can easily be damaged during the mounting procedure if the operator does not take care. The danger zone is where the traction point is applying maximum stress to the tire during dismounting. Skilled operators know to reduce speed in the danger zone to avoid tire damage.

SAFE: No damage to tyres: continuous control of the chuck torque avoiding to exceed 1.200 Nm
FAST: This technology automatically selects the maximum speed possible: chuck rotation up to 20 rpm
EASY TO USE: Operators simply press the pedal and smartSpeed™ automatically sets the maximum speed possible (from 7 rpm to 20 rpm)

VAS 741 077

The tyre changer for high volume tyre shops

- powerMONT™ the innovative, fast and easy to use leverless mount/demount system
- quickLOK™ automatic center post clamping system
- smartSpeed™ the exclusive self-adjustable speed system up to 20 rpm that provides the optimum torque/speed combination to the chuck
- Optimum bead breaker system: the high-performance solutions for any tyre types:
  - Dynamic bead breaker with two disks, the solution of choice for RFT and UHP tyres. Precise, ergonomic and effortless
  - On floor bead breaker, the fastest solution for tyres with high aspect ratio
- PBD330, Pneumatic Bead Depressor for convenient demounting of hard sidewall tyres
- Ergonomic wheel lift integrated
- High rigidity for safe handling of high performance tyres
- Pedal-controlled inflator
- Mirror to control operation on the lower bead

VAS 741 077		
Clamping range	inch	12 – 30
Max. rim width	inch	13
Max. tyre width	inch	15
Max. wheel diameter	mm	1200
Max. wheel weight	kg	70
Max. bead breaking width	mm	-
Dimensions (W x D x H)	mm	1481 x 1863 x 1880
Weight	kg	465
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 – 20

VAS 741 079

The tyre changer for low-profile, UHP and run-flat tyres

- powerMONT™ the innovative, fast and easy to use leverless mount/demount system
- smartSpeed™ the exclusive self-adjustable speed system with before up to 20 rpm that provides the optimum torque/ speed combination to the chuck
- Dynamic bead breaker with two disks, the solution of choice for RFT and UHP tyres. Precise, ergonomic and effortless
- Manual center post clamping system
- PBD330, Pneumatic Bead Depressor for convenient demounting of hard sidewall tyres
- High rigidity for safe handling of high performance tyres
- Pedal-controlled inflator
- Mirror to control operation on the lower bead

VAS 741 079		
Clamping range	inch	12 – 30
Max. rim width	inch	13
Max. tyre width	inch	15
Max. wheel diameter	mm	1200
Max. wheel weight	kg	70
Max. bead breaking width	mm	-
Dimensions (W x D x H)	mm	1481 x 1863 x 1880
Weight	kg	420
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 – 20

VAS 6346 C

Pneumatic tilt-back post tyre changer with outer clamping range of 26”

- Outer clamping range of up to 26", with optional jaws of up to 30"
- Mounting head pneumatically adjustable in spaced-apart position relative to the rim
- smartSpeed™ technology
- Double-acting bead breaker cylinder
- Bead breaker blade supported in 3 joints, bead breaker adjustable in 2 ranges
- Pneumatic tool lock and pneumatic tool approach
- Pneumatic tilt back post, pneumatically locked in working position
- Self-centring four-jaw turntable with sliding jaws
- Pedal-operated inflator with quick-inflating valve
- Tool box with integrated precision pressure gauge

VAS 6346 C		
Inner clamping range	inch	14 – 26
Outer clamping range	inch	12 – 26
Max. rim width	inch	16
Max. tyre width	inch	17
Max. wheel diameter	mm	1200
Max. wheel weight	kg	70
Max. bead breaking width	mm	410
Dimensions (W x D x H)	mm	1720 x 1920 x 2260
Weight	kg	440
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 / 7 – 14

VAS 741 043

Tyre changer for wheel width up to 15"

- Mounting and demounting of very wide wheels, up to 15”
- The low cabinet offers an ergonomic working height even with very wide wheels
- Vertical positioning of the mounting head is carried out pneumatically – all settings are controlled through a single switch – quickly and ergonomically
- smartSpeed™ technology
- On-side bead breaker with adjustable blade inclination, adjustable in three positions
- Double-acting bead breaker cylinder
- Mounting head adjustable
- Mounting / demounting tool (working range 8" - 24")
- Turntable with centre-type sliding jaws.
- Pedal-operated pneumatic tilt-back post
- Post pneumatically locked in working position
- Tool box with integrated pressure gauge and four ergonomic shelves
- Pedal-operated inflator with quick-inflating valve

VAS 741 043		
Inner clamping range	inch	12 – 24
Outer clamping range	inch	10 – 24
Max. rim width	inch	14
Max. tyre width	inch	15
Max. wheel diameter	mm	1000
Max. wheel weight	kg	70
Max. bead breaking width	mm	392
Dimensions (W x D x H)	mm	1350 x 1800 x 1920
Weight	kg	310
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 / 7 – 18

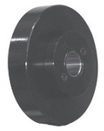
VAS 741 041

Pneumatic tilt-back post tyre changer

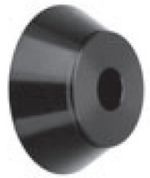
- smartSpeed™ technology
- Double-acting bead breaker cylinder
- Mounting head adjustable in spaced-apart position relative to the rim
- Mounting / demounting tool (working range 8" – 24")
- Turntable with centre-type sliding jaws. Two clamping cylinders provide 30 to 40 % more clamping force than single-cylinder machines
- Pedal-operated pneumatic tilt-back post
- Post pneumatically locked in working position
- On-side bead breaker with adjustable blade inclination for different wheel diameters, adjustable in three positions to grant high performance and flexibility
- Tool box with integrated pressure gauge and four ergonomic shelves for valves, tools and accessories, attached on separate tower
- Pedal-operated inflator with quick-inflating valve

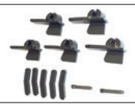
VAS 741 041		
Inner clamping range	inch	12 – 24
Outer clamping range	inch	10 – 24
Max. rim width	inch	12
Max. tyre width	inch	13
Max. wheel diameter	mm	1000
Max. wheel weight	kg	70
Max. bead breaking width	mm	392
Dimensions (W x D x H)	mm	1220 x 1700 x 1870
Weight	kg	300
Compressed air supply	bar	8 – 12
Power supply		230 V 1ph 50/60 Hz
Chuck speed	rpm	7 / 7 – 18

Accessories
A choice of accessories for the VAS machines

Car wheels		
	4029029	Stud-hole flange FP VAG For Volkswagen, Audi, Seat und Skoda Pitch circle diameters: 5 x 100/112/120/130 mm; 5 x bolts 80 mm
	4028856	Centring & clamping kit – Porsche STANDARD Consisting of tapered centring ring C - Ø = 71,5–74,2 mm, clamping ring
	4030969	Centring & clamping kit – Porsche GT2/GT3/Turbo Consisting of clamping ring, Porsche centring ring Ø = 84 mm For Porsche rims with central nut on Porsche GT2/GT3/Turbo
	30344	Centring ring Ø1 = 57 mm, Ø2 = 71.6 mm For VW, Audi, Porsche
	26445	Tapered centring ring A Ø = 56.5–58.6 mm
	26447	Tapered centring ring C Ø = 71.5–74.2 mm For Audi Q7 und Porsche
	26449	Tapered centring ring E Ø = 65.9–67.7 mm
	26451	Tapered centring ring G Ø = 54.5–56.2 mm
	26452	Tapered centring ring H Ø = 52–54.2 mm
	30348	Tapered centring ring I Ø = 66.5 mm For Audi A5 2010+ ; all models except Q7

Light-truck wheels		
	24936	Centring cone Ø 113–170 mm For steel and alloy rims with centre bore of Ø 114–169 mm, on the condition the centre bore outer side is machined sufficiently accurate. To be applied only from the outside and in conjunction with spacer ring 24937

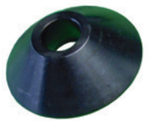
	25790	Centring cone Ø 195–214 mm For light-truck rims, steel rims with centre bore of Ø 196–213 mm. For wheels of less than 65 kg and for maximum overall diameter of 900 mm. To be applied only from the outside and in conjunction with spacer ring 24937
	24937	Spacer ring (plastic) For light-truck rims which are clamped using special centring cones ref. no. 24936 and 25790, or using a stud-hole flange
	35382	Centring set VW Crafter Pitch circle diameter 6 x 130 mm
	35383	Centring set VW Crafter Pitch circle diameter 6 x 205 mm
	4026401	Light-truck kit To handle light-truck wheels; consisting of spacer ring and cone 122–172 mm

Car tyres – VAS 741 041, VAS 741 043 and VAS 6346 C		
	4029455	+4" adaptors for sliding jaws. To increase the outer clamping range by 4", while reducing maximum rim width by 1 1/2"; 1 set = 4 off
	4030319	Kit of plastic protectors for mounting head 5 rim protectors, 5 rear protectors, 2 screws

Car tyres – VAS 741 031 and VAS 6616		
	4031245	Reverse mounted wheel kit - To clamp reverse mounted wheels
	4031040	Reverse mounted wheel kit - To clamp reverse mounted wheels on VAS 6616
	EAA-0364G48A	Bolts - For reverse mounted wheel kit 4031245/ 4031040: 5 Bolts w/ cylindrical vertex, 5 Bolts w/ tapered vertex, Length 110 mm - VAS 6616

	EAA-0363G30A	Bolts - For reverse mounted wheel kit 4031245/ 4031040: 5 Bolts w/ cylindrical vertex, 19 mm diameter, Length 110 mm, VAS 6616
	EAA-0363G40A	Bolts - 5 Bolts w/ tapered vertex. Overall length 100 mm, tapered vertex dia. 36 mm. For reverse mounted wheel kit 4031245/ 4031040, VAS 6616

Light-truck tyres – VAS 741 041, VAS 741 043, VAS 6674 and VAS 6346 C		
	4027629	Adaptors for light-truck wheels, 17.5" 1 set = 4 off
	EAK-0279G89A	Wheel lift for VAS 741 041
	EAK-0279G86A	Wheel lift for VAS 741 043
	EAK-0279G87A	Wheel lift for VAS 6346 C

Light-truck tyres – VAS 741 031 and VAS 6616		
	4030486	Light-truck wheel kit To clamp pick-up, light-van and light-truck wheels - VAS 741 031
	4031033	Light-truck wheel kit To clamp pick-up, light-van and light-truck wheels - VAS 6616
	EAK-0317G76A	Cone kit 75 mm Centring cones, 75 mm diameter, for wheel clamping. 1 Set = 5 plastic cones. - VAS 741 031
	EAK-0317G77A	Cone kit 126 mm Centring cones, 126 mm diameter, for wheel clamping. 1 Set = 5 plastic cones. - VAS 741 031
	EAK-0317G78A	Cone kit 145 mm Centring cones, 145 mm diameter, for wheel clamping. 1 Set = 5 plastic cones. - VAS 741 031

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For further information and technical data please refer to VAS machines under:
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