

AKTIENGESELLSCHAFT



# VAS 741 081

Wheel balancer with sonar spoke detection and laser weight positioning

# VAS 741 081: Wheel balancer with touch screen

### Normal balancing within 6 seconds

- 3 lasers mark the position of the weights
- Sonar and sensor arm analyse the wheel data
- Automatic wheel positioning (ATP)
- Pneumatic flange
- 3 operators, 25+ menu languages

### Large, interactive 22" touch screen

with numerous helpful video animations. Touch function can also be used with gloves.

## VAS 741 081 suits for the following wheels:

- Passenger cars, vans, motorcycles
- Rim diameters between 10" and 30"
- Rim widths between 1" and 15"





Line laser\* for the exact positioning of clip-on weights on the exterior of steel rims



Line laser\* for clip-on weights on the interior of steel rims



Spot laser\* for accurate positioning of adhesive weights on aluminium rims (interior and behind the spokes)





The sonar automatically determines the width of steel rims and the number of spokes of aluminium rims.



Rim with clamping boards No. 3 (optional)



Airgo Lift (wheel lift)



LCD displays: large 22" touch screen



Automatic LED illumination when using the electronic data arm

# VAS 741 081: Comfortable with interactive 22" LCD touch screen and pneumatic flange for wheel clamping



Pneumatic flange: equiped with 240 mm long shaft for using the right and homologated accessories

## VAS 741 081: Software



Troubleshooting via "Check Up" self-diagnostic tool

Wheel detection / manual selection of the balancing routine



Automatic selection of balancing routines

Wheel balancing



Start screen: automatic selection of balancing routines



Hidden weight distribution behind the spokes (SPLIT programme / ASD function)



Data collection (example)



Automatic positioning with just one touch



Automatic determination of the number of spokes via sonar

# VAS 741 081: Technical data and scope of delivery

Function:	Specification:
Balancing speed	220 rpm 50 Hz
Voltage supply	230 V 1~ (50/60 Hz)
Power input	0.7 kW
Compressed air supply	8 – 10 bar
Rim width, to be adjusted via buttons	2" – 20"
Rim width, measurement range of the electronic sliding calliper / measurement arm	1" – 15"
Rim diameter, to be adjusted via buttons	8"-40"
Rim diameter, measurement range of the electronic sliding calliper	10 – 30 "
Maximum wheel weight	80 kg
Maximum wheel diameter	1150 mm
Maximum wheel width	490 mm
Average measurement time	6 seconds
W x H x D	max. 1 400 x 1 840 x 1 300 mm (plus Air Lift size)
Net weight	160 kg (plus Airgo Lift weight)

## Scope of delivery:

- Centring aids:
  - 3 cones for mechanical adapter
  - 4 cones for pneumatic adapter
- Quick clamping nut with clamping cover and rubber ring
- 3 laser pointers, 1 sonar
- LED interior illumination
- Weight pliers
- Calibration weight
- CE-certified operating manual
- Airgo Lift (wheel lift)









Service box: manual unlocking and compressed-air connection to the service unit



New pedal functions: down to lock shaft/wheel, up to release/clamp the pneumatic flange



New surface structure of the tray: particularly slip-proof

# VAS 741 081: Proper centring and clamping onto wheel balancers

### **Reduced safety – increased wear**

In real life, there are no perfectly balanced parts. Tyres and rims are always slightly out of balance. In addition, the individual runout imbalances are combined as tyres are mounted onto rims. In case of high speeds, the resulting residual imbalances cause vibrations and wear of the tyres.

#### Vibrations caused by imbalances can, for instance, cause

• reduced contact between road surface and tyres,

- extended brake path and reduced grip,
- additional wear on the tyres and increased fuel consumption,
- increased wear on suspension components and bearings.

### A matter of suitable tools

Optimum balancing starts with proper wheel centring and clamping. For perfect balancing results, the wheels must be centred and fixed onto the wheel balancer just as they will be centred and fixed at the vehicle.



© VOLKSWAGEN AG K-AVO-RW Konzern Vertrieb After Sales Werkstattausrüstung Brieffach 011/4915 38436 Wolfsburg/Deutschland

Online

www.erwin.volkswagen.de/workshop-equipment-VAS-Software Workshop equipment and special tools catalogue

For internal use only. Technical modifications are subject of change. Version: 14<sup>th</sup> May 2019

## Hazard classes related to the use of laser technologies

Symbol\*

Laser class Laser 2





Warning

Do not look right into the laser radiation using optical instruments!

\* laser class symbol used within this brochure