ATH-Heinl

User Manual

Car wheel balancer

ATH W64

From serial number: WB25064586

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Release date: 20.08.2025 | Errors and omissions excepted. Sale only through ATH distributors

CONTENT

1 INTRODUCTION

1.1 General information

These instructions are an integral part of the machine. They must be read and understood by the user. No liability is accepted for damage caused by failure to observe these instructions or the valid safety regulations.

Appropriate protective clothing must be worn for all work on the system described.

Description of the warnings

Danger

Failure to observe will result in death or serious injury

Caution

Failure to observe may result in death or serious injury

Warning

Non-observance can lead to injuries

Attention

Non-observance can lead to material damage and impair the function of the product

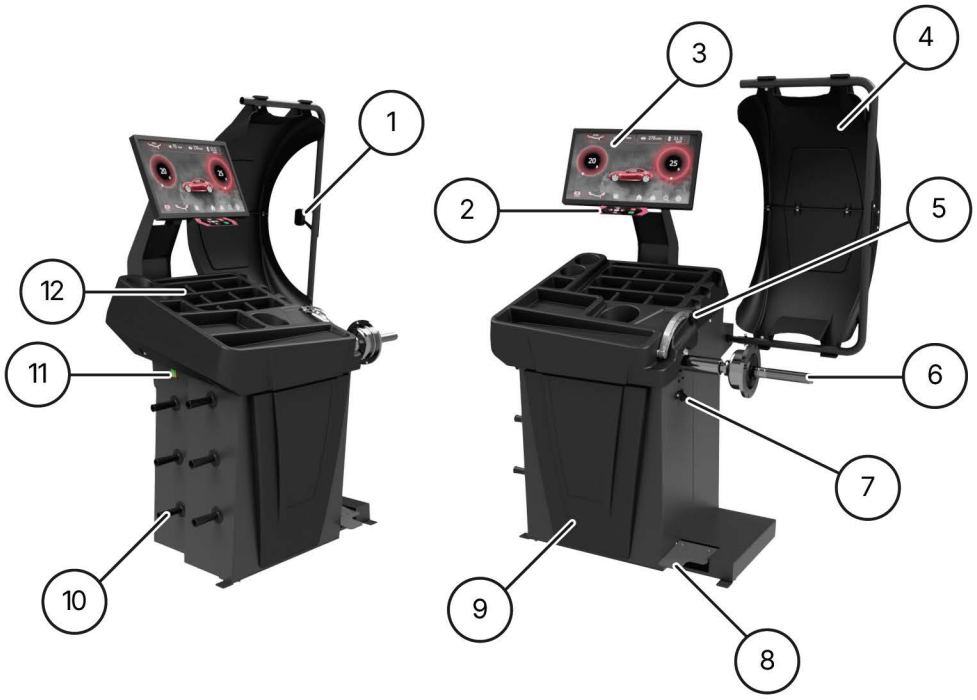
Note

Supplementary information on operating the product

Tip

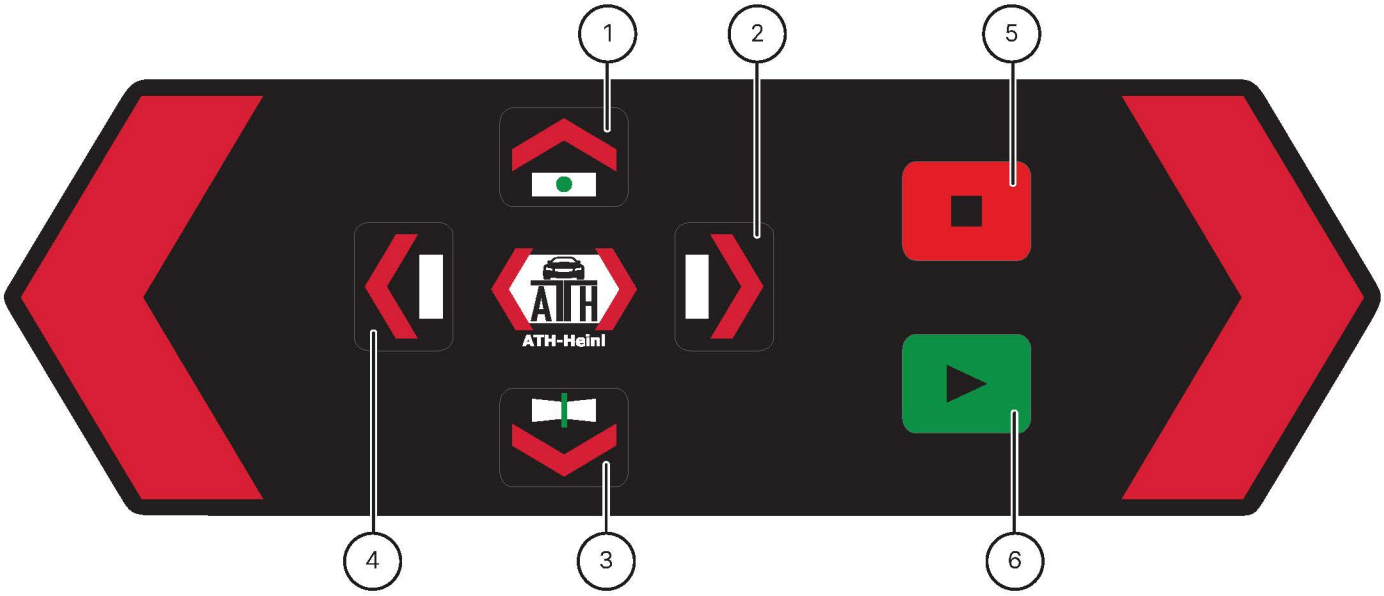
General useful information

1.2 Description



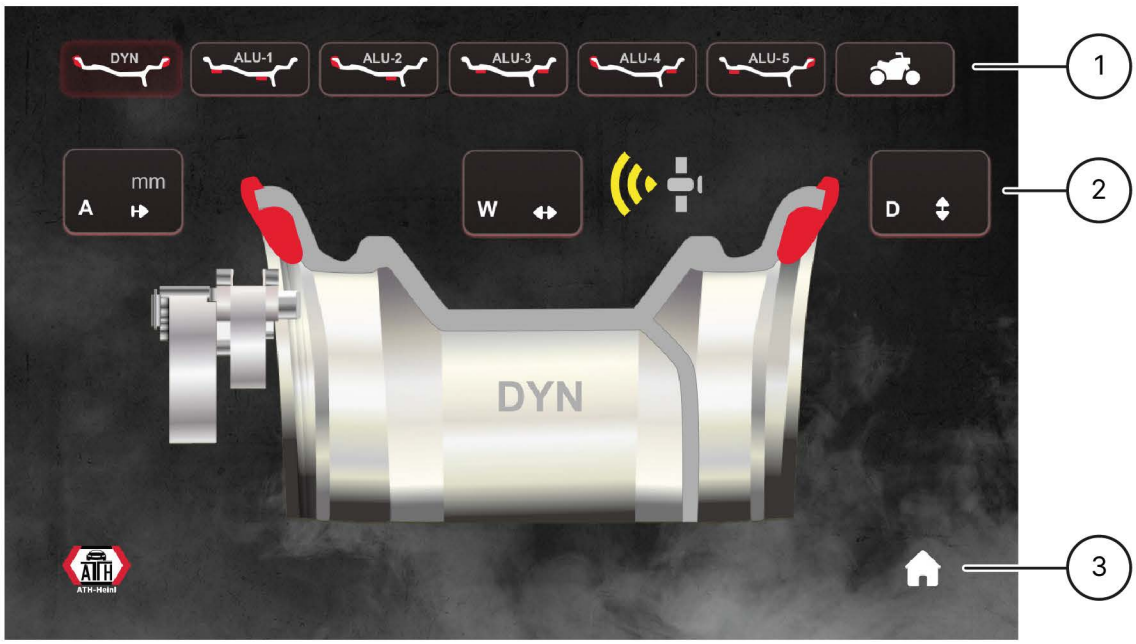
1	Sonar	2	Control panel
3	Display	4	Wheel guard arch
5	Gauge	6	Main shaft
7	Laser	8	Parking brake
9	Housing	10	Cone holder
11	Main switch	12	Cover with tool tray

1.3 Operating buttons



Control buttons

1	Navigation button / confirmation button	2	Navigation button
3	Navigation key / Positioning key	4	Navigation key
5	Stop button / Caps lock button	6	Start button



Selection window

1 **Balancing modes**

Press the button  button to change the mode.

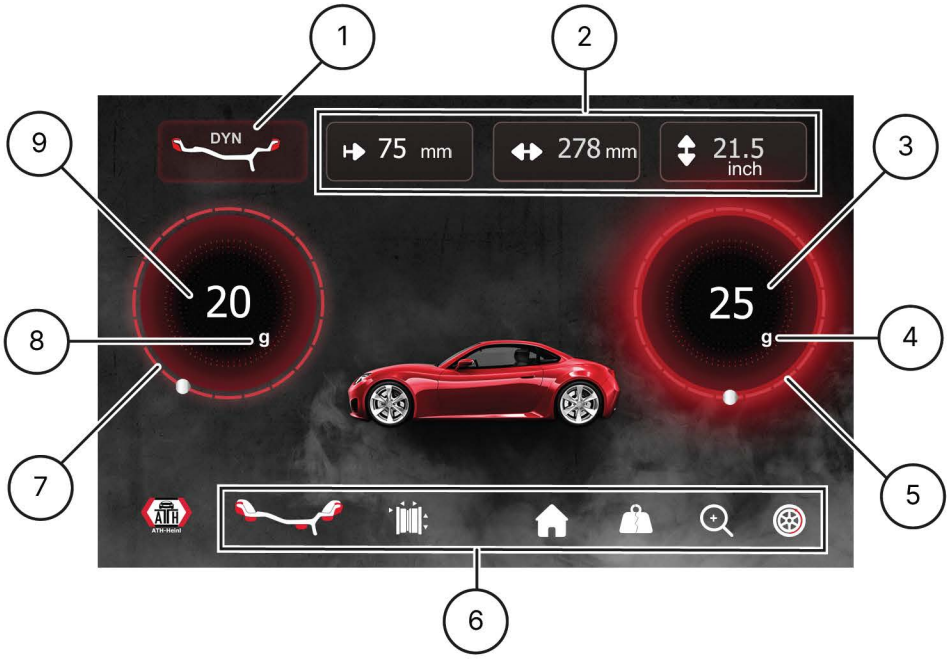
2 **A, W, D values**

Press the  -button to switch between the values.

Press the button  or  to change the size of the value.

3 **Menu**

Press the  -button to toggle. To call up the menu, press the button  .



Balancing window

1 Balancing mode

2 Wheel data

3 Outer unbalance

4 Unit

5 Outer unbalance position indicator

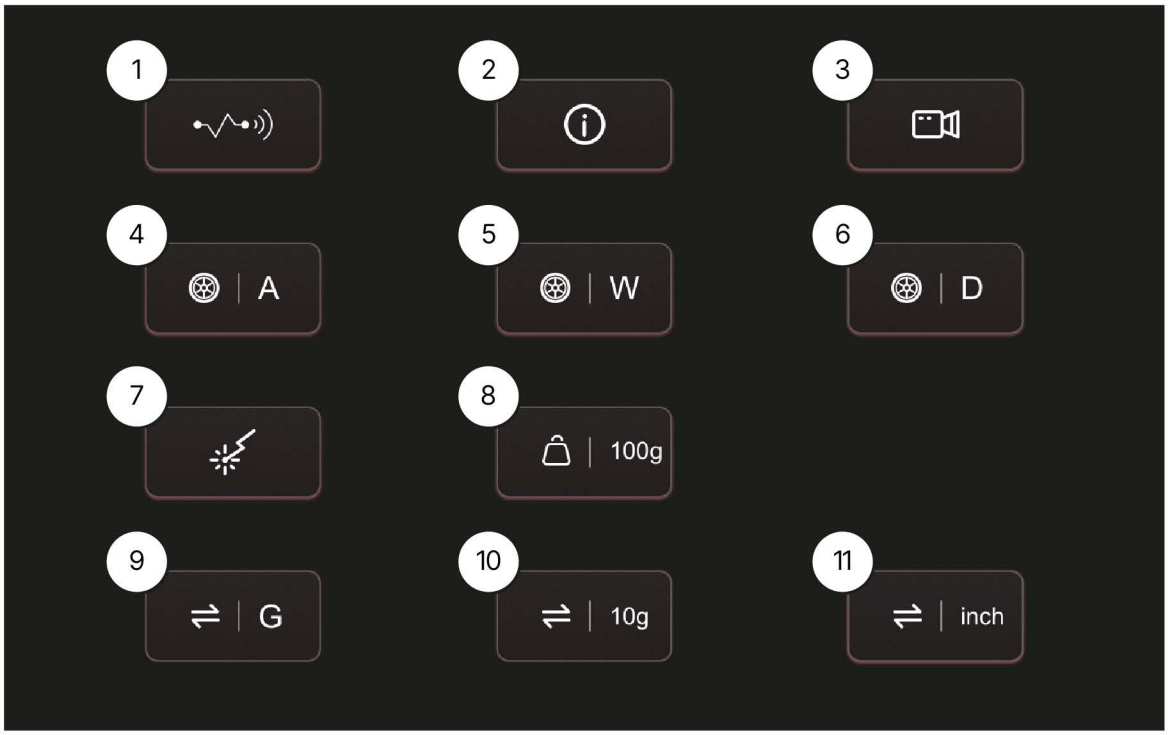
6 Function keys

7 Inner unbalance position indicator

8 Unit

Release date: 20.08.2025 / Product manufacturer ATH-Heinl GmbH & Co. KG

9 Inner unbalance



Settings window

1 Automatic diagnosis of device faults

2 Without function

3 Without function

4 A-value calibration

5 W-value calibration

6 D-value calibration

7 Laser calibration

8 Weight calibration

9 Conversion of weight units

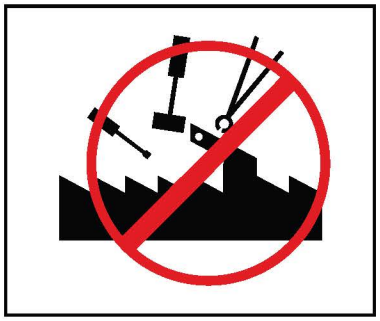
10 Changing the suppression value of the unbalance measurement

11 Conversion of units of measurement

1.4 Features of the ATH W64

The balancing machine ATH W64 has the following features:

- 10 balancing modes:
  - DYN
  - ALU-1
  - ALU-2
  - ALU-3
  - ALU-4
  - ALU-5
  - ALU-S1



Modifications of any kind to the machine are not permitted

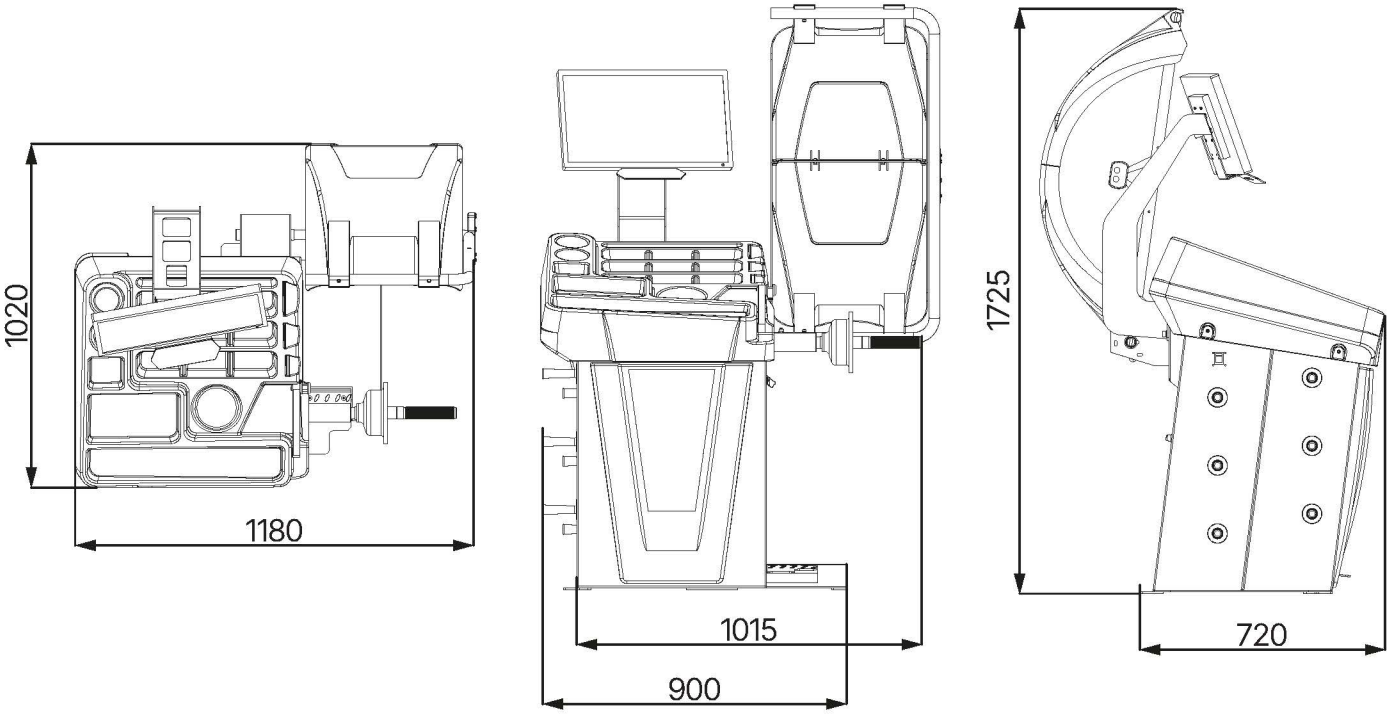
The machine must not be cleaned under running water

Do not use any paint-dissolving or highly aggressive cleaning agents

1.7 Technical data

Type	ATH W64
Max. Wheel weight	70 kg
Rim diameter	10" - 24"
Rim width	1,5" - 20"
Max. Wheel diameter	900 mm
Balancing accuracy	+/- 1 g
Cycle time	8 s
Drive power	0.2 kW
Operating voltage	230V / C16A
Power consumption	< 15W in stand-by mode
Balancing speed	200 rpm
Protection class	IP 43
Sound pressure level during operation	< 70 dB
Shaft diameter	40 mm
Balancing programs	DYN, ALU1, ALU2, ALU3, ALU4, ALU5, ALU-S1, ALU-S2, Moto-1, Moto-2
Floor anchoring	Bolt anchor M8 x 100
Anchor quantity	3 pieces
Weight of machine	120 kg
Machine dimensions	h: 1740 mm b: 1100 mm l: 1130 mm
Floor inclination	Max. 3°

1.8 Dimensioned drawing



2 INSTALLATION

The machine must be installed by authorized personnel in accordance with the instructions.

Note

The operating instructions (including log) are an important part of the machine or product.

Please keep it in a safe place!

The product must be inspected by a suitable and authorized company or institution after completion of assembly, handover, instruction if necessary, and subsequently at regular intervals in accordance with the regulations and legal provisions in force in the country of operation.

2.1 Transport and storage conditions

To transport and position the machine, always use suitable slinging, lifting or ground conveyors and pay attention to the center of gravity of the machine.

The machine should only be transported in its original packaging.

Machine data	
Machine weight	140 kg
Width	1180 mm
length	1020 mm
height	1725 mm
Storage temperature	-10 to +50°C

Instructions for transportation and storage

Attention

Lift carefully and only move the load with suitable tools that are in perfect condition.

Attention

Avoid unexpected elevations and jolting movements. Take care on uneven surfaces, crossways, etc.

2.2 Unpacking the machine

- Remove the top cover of the packaging and make sure that no damage has been caused during transportation. In the event of damage, inform the dealer immediately.
- Remove the securing bolt to remove the machine from the pallet/frame. To lift the machine down from the pallet/frame, use a suitable lifting device (possibly with sling rope).

Danger

The removed packaging parts can pose a danger to children and animals.

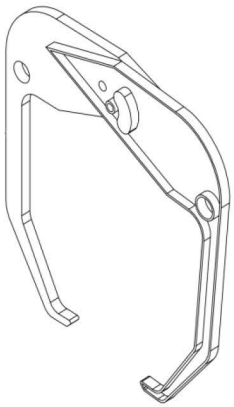
This can result in serious injury or even death.

Keep the removed packaging parts in a collection point that is inaccessible to children and animals until they are disposed of.

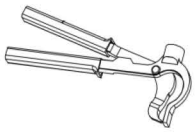
2.3 Scope of delivery

In addition to the machine itself, the scope of delivery includes

- Rim gauge



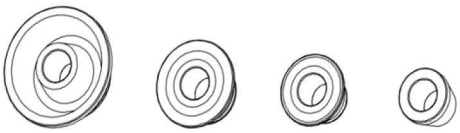
- Weight tongs



- 100 g stop weight

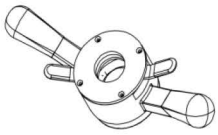
- Allen key

- cones



- Rubber lip for clamping hood

- Quick-release nut



- Clamping hood

- Balancing shaft

2.4 Location

The machine should be kept away from flammable and explosive materials, as well as from sunlight and intense light. The machine should also be placed in a well-ventilated place.

The machine should be installed on sufficiently solid ground, if necessary according to the minimum requirements of the specifications in the foundation plan.

When selecting the installation site, the guidelines and instructions of the accident prevention regulations and the workplace regulations must be observed in addition to the ground conditions.

If the unit is to be installed on a floor slab, its sufficient load-bearing capacity must be checked. In general, it is recommended that a building expert be consulted for an assessment when installing the machine on floor ceilings.

The machine is only to be installed and used inside closed rooms. It does not have appropriate safety equipment (e.g. IP protection, galvanized design) for outdoor use.

Temperature	5 - 50°C
Sea level	< 1500m
Humidity	50% at 40°C - 90% at 20°C

2.5 Location Minimum distances

Caution

Unauthorized persons are strictly prohibited from entering this work area.

Failure to do so may result in serious injury.

2.6 Fastening

Warning

General and local regulations must be observed when installing the device.

Therefore, these steps should only be carried out by a trained specialist.

The machine must be set up and secured on a sufficiently firm surface, if necessary in accordance with the minimum requirements specified in the "Foundation plan" and secure it in place.

The machine must be fastened at the intended points with suitable fastening material, if specified.

When selecting the installation location, the guidelines and instructions of the accident prevention regulations and the workplace regulations must be observed in addition to the floor conditions.

When installing on storey ceilings, their sufficient load-bearing capacity must be checked. It is generally recommended that a building expert be consulted for an expert opinion when installing on storey ceilings.

2.7 Electrical connection

Attention

The general and local regulations must be observed. Therefore, this step may only be carried out by a trained specialist.

Pay attention to the necessary supply line.

Voltage deviations should not exceed 0.9 - 1.1 times the nominal voltage range and frequency deviations should not exceed 0.99 - 1.01 times the frequency range. To be able to guarantee this, necessary protective measures must be taken.

At the end of the work, the direction of rotation of the motor must be checked.

2.8 Assembly

Note

These instructions are not to be regarded as assembly instructions; they only provide information and assistance for competent and skilled fitters.

Warning

Appropriate clothing and individual protective equipment must be worn for the following work.

Caution

Incorrect assembly and settings will result in exclusion of liability and warranty.

Partially pre-assembled machines must be inspected, instructed and accepted by a competent person before commissioning.

Assembly of machines must be carried out by a skilled and qualified person.

2.8.1 Foundation plan

Attention

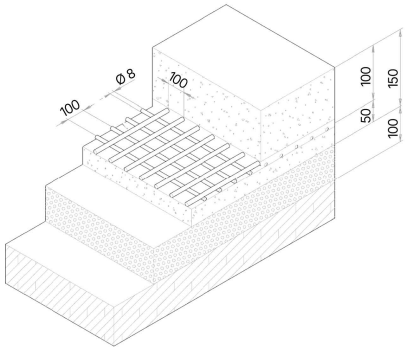
Do not install the machine on asphalt or soft screed. There must be no expansion joints or cracks that would interrupt the continuity of the reinforcement. The load-bearing capacity of suspended ceilings must be checked by the operator.

The function of the machine may be impaired if it is positioned at an angle.

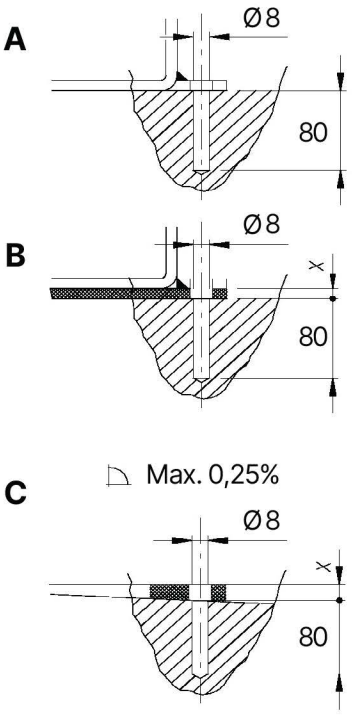
Observe the specified concrete quality and hardening time

Concrete quality	C25/30
Curing time of concrete	Min. 20 days

Foundation dimensions in mm		
Length	**Width**	**Min. floor load capacity**
Length of the machine + 500mm	Width of the machine + 500mm	425 kg/cm²



	Floor
	Reinforced concrete
	Structural steel mats
	Crushed stone



We recommend using impact anchors with at least M8x100 to secure the machine.

A: Drill a hole at least 80 mm deep using a drill bit (Ø 8). Use the existing openings on the base frame as a template.

B/C: If there is an additional floor covering at the installation site or if shims or wedges must be used due to the inclination of the floor, longer fixing anchors must be used.

Opening and checking

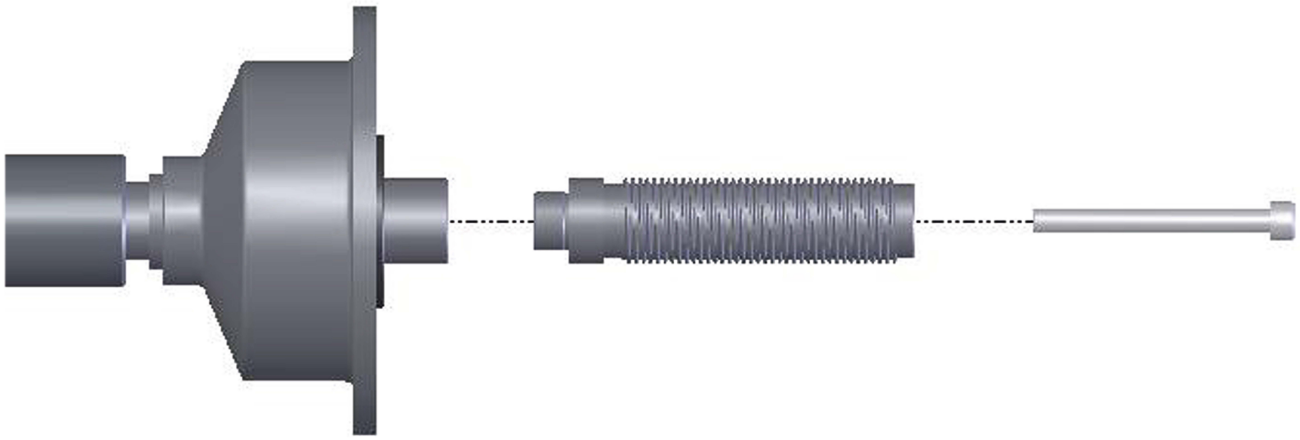
Open the packaging and check the parts for damage and completeness ("Scope of delivery"). If there is a problem, DO NOT use the appliance and contact the supplier.

Installing the machine

1. The balancing machine must be installed on a level surface made of concrete or a similar surface. Unstable, uneven surfaces can cause measurement errors.
2. Use impact anchors to secure the balancing machine to the floor.
3. Keep sufficient distance from the wall to ensure good ventilation and comfortable operation. see "Location Minimum distances"

Installing the balancing shaft

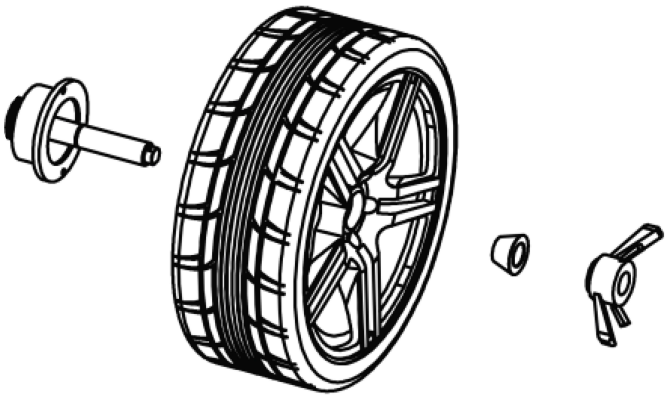
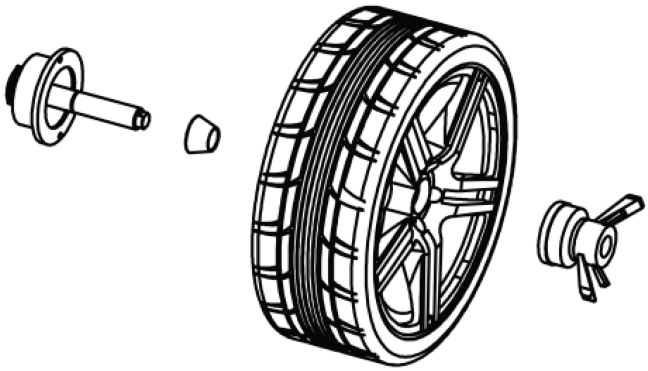
Install the balancer shaft on the main shaft using the M10 x 150 screw and then tighten the screw.



Tensioning the wheel

Pay attention to the following before clamping a wheel:

- The wheel must be clean
- Remove all balancing weights from the wheel
- Check the air pressure in the tire
- Check the rim/hub for deformation

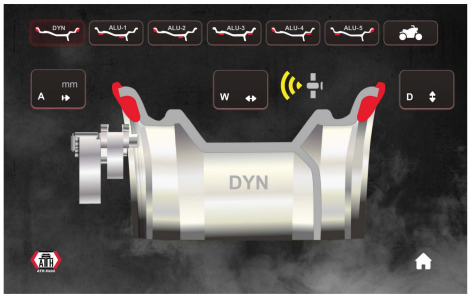
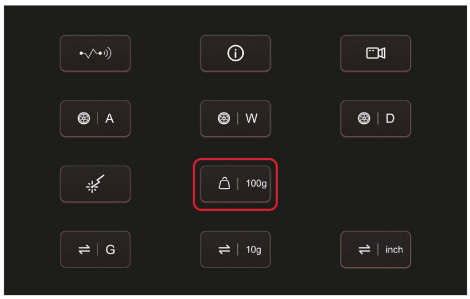
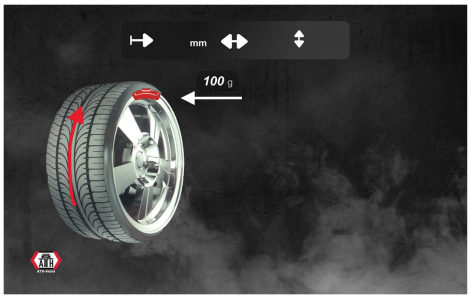
Clamping on the front side	Tensioning on the rear side
	

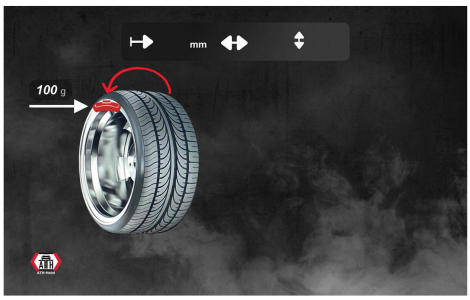
Attention

When inserting or removing the wheel, the wheel must not grind on the shaft.

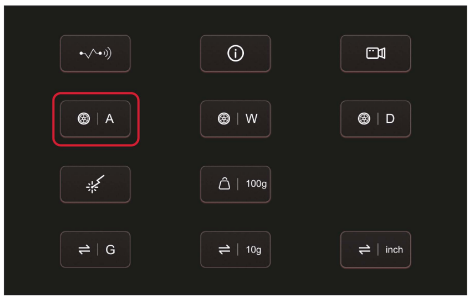
Otherwise damage to the shaft is to be expected.
Hold the wheel firmly during the clamping process.

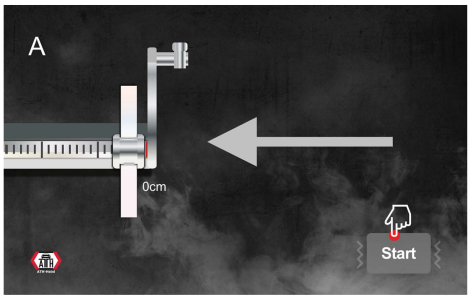
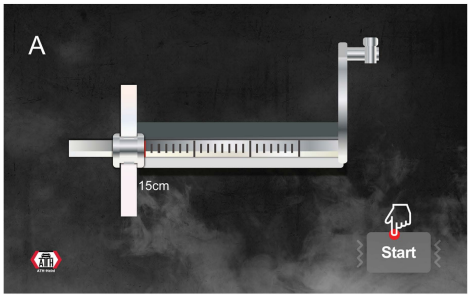
2.9 Calibration of the balancing machine

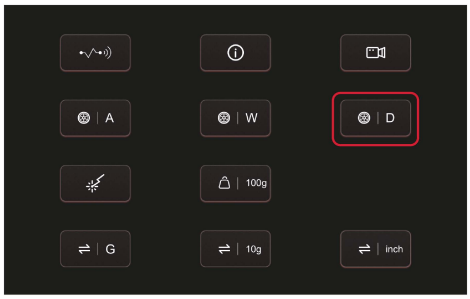
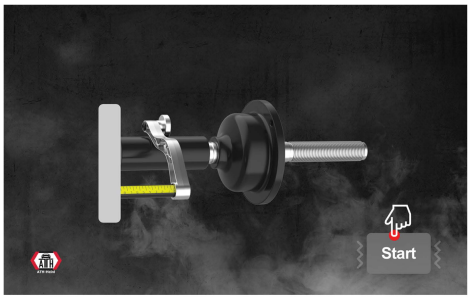
Calibration step	Operation	Display
1	Clamp a wheel with a 14-16" steel rim and enter the values a, w and d.	
2	Select the Weight calibration option on the home screen.	
3	Confirm with the button  button to call up the weight calibration.	
4	Close the wheel guard to start the first balancing process.	
5	When the wheel stops, it is automatically in the position where the 100g weight should be attached to the outer 12 o'clock position.	

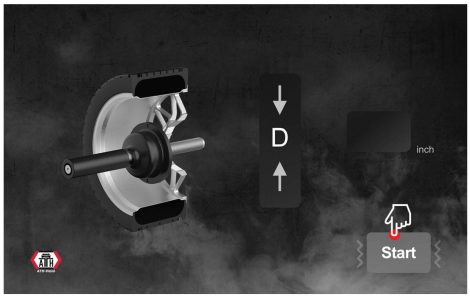
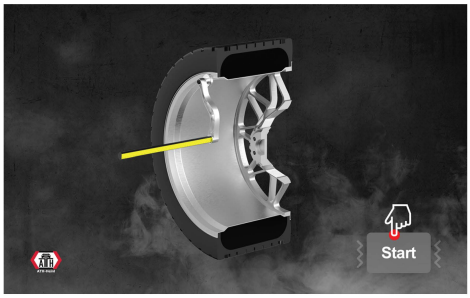
Calibration step	Operation	Display
6	Close the wheel protection arch to start the second balancing process.	
7	The wheel stops automatically at the position where the 100g weight is to be removed from the outer side and attached to the inner 12 o'clock position.	
8	Close the wheel protection arch. Calibration is complete as soon as the wheel has come to a standstill.	
9	Your wheel balancer is now calibrated!	

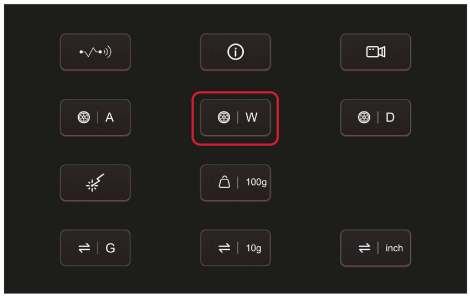
2.10 Calibrating the gauge

Calibration step	Operation	Display
a-value Calibration		
1	Clamp a wheel with a 14-16" steel rim. Select the a-value calibration option on the home screen.	
2	Confirm with the button  button to call up the a-value calibration.	

Calibration step	Operation	Display
3	Move the measuring gauge to “Position 0” (original position) and press the button  .	
4	Now pull the gauge to “Position 15”. Hold it there and press the button  .	
5	The a-value calibration is complete!	

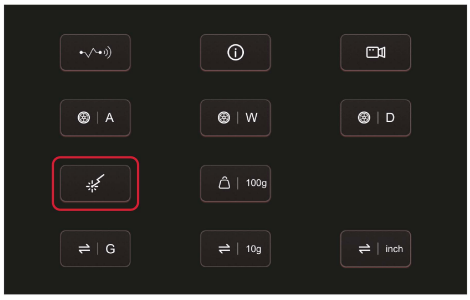
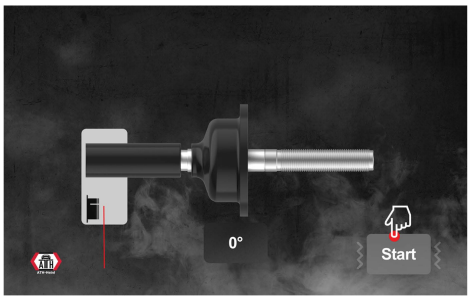
Step	Operation	Display
d-value calibration		
1	Clamp a wheel with a 14-16" steel rim. Select the d-value calibration option on the home screen.	
2	Confirm with the button  button to call up the d-value calibration.	

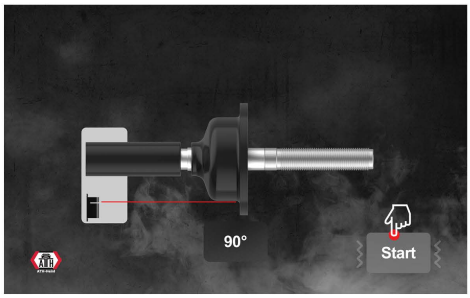
Step	Operation	Display
3	Place the measuring gauge on the balancing shaft, hold it there and press the button  .	
4	Use the  or  button to set the d value (e.g. 16 inches). Then press the  button.	
5	Now pull the measuring gauge up to the edge of the rim. Hold the measuring gauge there and press the  -button.	
6	The d-value calibration is complete!	

Step	Operation	Display
w-value calibration		
1	Select the w-value calibration option on the home screen.	

Step	Operation	Display
2	Confirm with the  button to call up the w-value calibration.	
3	The w-value calibration is completed automatically!	

2.11 Calibration of the laser

Calibration step	Operation	Display
1	Clamp a wheel with a 14-16" steel rim and select the Laser calibration option on the home screen.	
2	Confirm with the button  button to call up the laser calibration.	
3	Press the  -button.	

Calibration step	Operation	Display
4	Press the button again.  -button again.	
5	The laser is now calibrated!	

3 OPERATION

3.1 Operating instructions

Company: Activity:	**Operating instructions** for tire service work	Date: Signature:











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Dangers to people and the environment

- Danger due to noise
- Risk of being pulled in by the machine
- Risk of crushing due to moving parts
- Electrical hazards due to the electrical systems
- Danger due to inadequate maintenance of the system
- Danger from contaminated dust from the braking system

Protective measures and rules of conduct

- Wear close-fitting clothing
- Do not wear a wristwatch, rings, chains or similar jewelry while working.
- Wear hearing protection and safety goggles.
- Long hair must be secured with a hair net or other measures.
- Only use impact wrenches that do not blow air onto the rims.
- To avoid dust formation, only clean the rims and tires when wet. If possible, use a wheel washer.
- Remove dust from the brake drums using an extraction bell in conjunction with suitable industrial vacuum cleaners. Use category U equipment for asbestos-free dust and category K1 equipment for dust containing asbestos. (Observe current GUV regulations)
- Pre-damaged tires must be rendered unusable.
- When inflating the tire, set up protective equipment to catch flying parts. Keep people away from the danger zone.
- The inflation of the tire must be monitored and the maximum permissible mounting air pressures must not be exceeded.
- Only operate motor-driven wheel balancers with a protective cover.

For large wheels on trucks and self-propelled work machines

- On machines with vertical wheels, work with heavy tires (e.g. EM tires) must be carried out by 2 persons.
- For tires with a diameter > 1.4 m or a weight > 200 kg, measures must be taken to prevent them from falling over.

Behavior in the event of faults and danger

- Defects in the machine must be reported immediately to the installer or manufacturer
- Switch off the machine and secure it against unauthorized restarting
- Only have damage repaired by qualified personnel
- In the event of fire, attempt to extinguish it

First aid

- Inform the first aider (see alarm or emergency plan)
- Treat injuries immediately
- Make an entry in the first aid book
- Make an emergency call in the event of serious injuries

Maintenance

- Repairs may only be carried out by authorized and instructed persons
- Disconnect the machine from the mains or secure it during set-up, adjustment, maintenance and care work
- Clean the machine after finishing work and check the hydraulic level
- Annual check of the machine by an authorized and trained person

3.2 Basic notes

- The machine may only be operated independently by persons who have reached the age of 18, who have been instructed in the operation of the machine and who have proven their qualification to the employer.
- They must be expressly authorized by the employer to operate the machine. The order to operate the machine must be given in writing.
- The machine may only be used for its intended purpose.
- Always use specified material for assembly and operation.
- Before assembly or disassembly, check all components; they must not show any signs of damage.
- If necessary, follow the manufacturer's special instructions for the assembly or disassembly of vehicle-specific work.
- An important part of the guarantee / warranty is the fulfillment of the maintenance schedule. In particular, the cleanliness, corrosion protection, control if necessary immediate repair of damage.
- Always watch out for hazards during operation. As soon as hazards occur, immediately disconnect the system from all energy sources (electricity, etc.). Then contact your dealer.
- All warning signs must always be clearly legible. If they are damaged, they must be replaced immediately.

Danger

Pay attention to possible shearing points on the machine.

Caution

During operation, the noise level can reach 85dB (A), so the operator should take appropriate protective measures.

Danger

Moving parts of the machine can catch loose clothing, long hair or jewelry.

3.3 Settings

Select the option  option. Press the  -button to call up the device settings. Select the  -button to exit the menu.

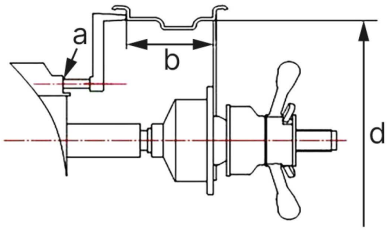
Display	Function	Select
	Threshold value for displaying the unbalance	5 g / 10 g / 15 g

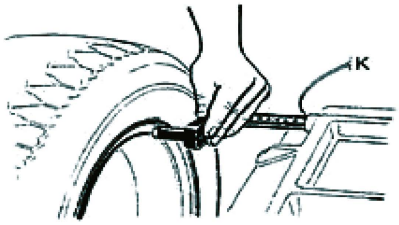
Display	Function	Select
⇄ | G	Weight unit	Gr: gram Oz: ounce
⇄ | inch	Unit of size	Inch: inch Cm: cm

3.4 Balancing in DYN, ALU-1, ALU-2, ALU-3, ALU-4, ALU-5, Moto-1 mode

Procedure in the balancing modes DYN, ALU-1, ALU-2, ALU-3, ALU-4, ALU-5, Moto-1

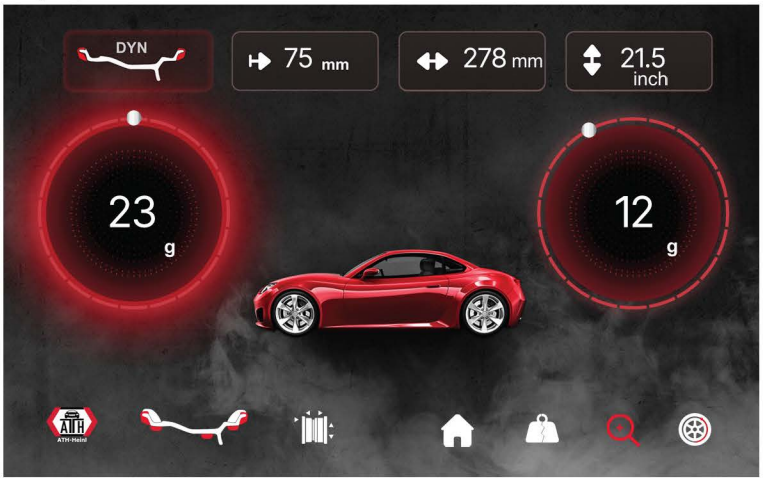
1. Enter the A, B and D values.



a-value	b-value	d value
		
Move the gauge to the first measuring point and hold the gauge in this position for approx. 4 seconds. After confirmation, return the gauge to position 0. The measured value is automatically shown on the display.	In DYN balancing mode, this value is determined automatically by the sonar. Otherwise: Read the wheel diameter from the wheel or use the width gauge to measure it. Then enter the value using the  or  buttons.	This value is automatically measured when the “a” value is accepted.

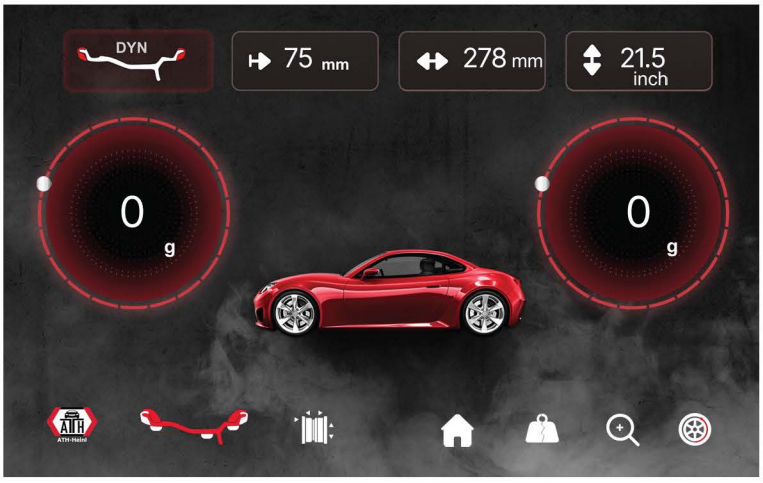
2. Close the wheel guard to start the balancing process.
3. As soon as the balancing process has been completed, the internal and external imbalance is shown in the display (+- 5 g). By selecting the menu option  menu option, the exact unbalance (+- 1 g) can be

displayed.

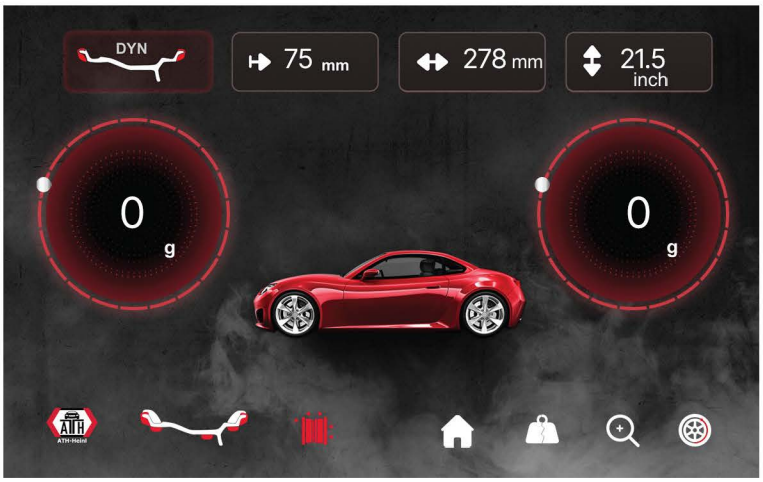


4. Apply the weight as shown on the display. The gray dot shows you the exact position (here e.g. 12 o'clock position).
5. Confirm the attachment of the weight by pressing the  -button.
6. Now attach the second weight as shown on the display.
7. Once the weights have been attached, close the wheel guard to restart the balancing process. If the values 0 - 0 are displayed, the balancing process has been successfully completed.

✓ The displayed result can be changed to the appropriate balancing type by selecting the  symbol on the display to the corresponding balancing type.



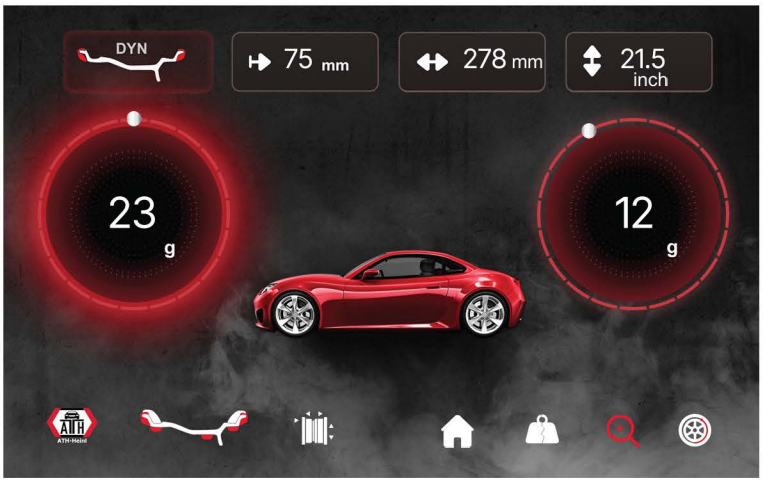
✓ If the wheel was balanced with the wrong values, these values can be corrected.



In the menu on the display, select . Enter the new a and d values. Close the wheel protection sheet. It appears:

Now press and hold the button while pressing the or - button to set the correct w value. The machine then automatically starts the balancing run.

✓ After the balancing process, the values are displayed in 5 g or 0.25 oz increments, as these are standard balancing weight sizes on the market. Press the button to display the exact values.



3.5 Balancing in ALU-S1 and ALU-S2 mode

Procedure in ALU-S1 or ALU-S2 balancing mode

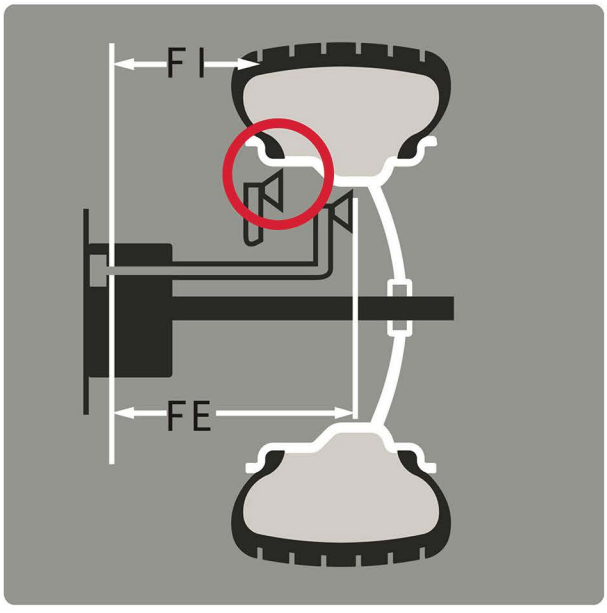
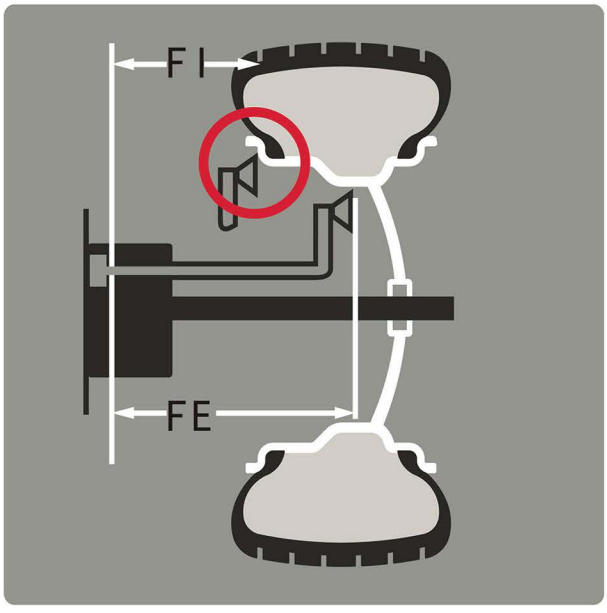
As the balancing machine is equipped with an automatic measuring gauge, selecting the ALU-S modes is simple and saves weight.

Tip

The ALU-S mode is selected automatically!

Simply enter the measured values in the preset DYN mode and the machine automatically switches to ALU-S mode.

1. Record the a1 and d1 values by pulling out the gauge and placing it in the FI position for approx. 4 seconds. The values a and d are recorded automatically and shown on the display.

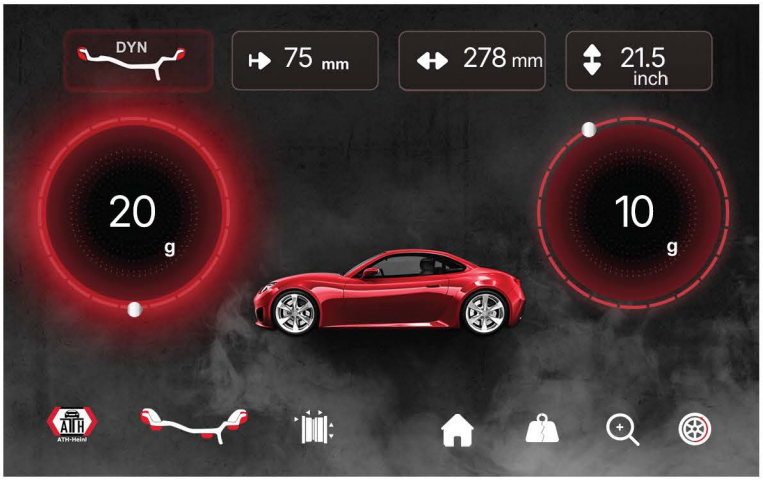
ALU-S1	ALU-S2
	

2. Record the values a2 and d2 by pulling out the measuring gauge and placing it in the FE position for approx. 4 seconds. The values a2 and d2 are recorded automatically and shown on the display.

✓ The balancing machine switches to the corresponding ALU-S mode.

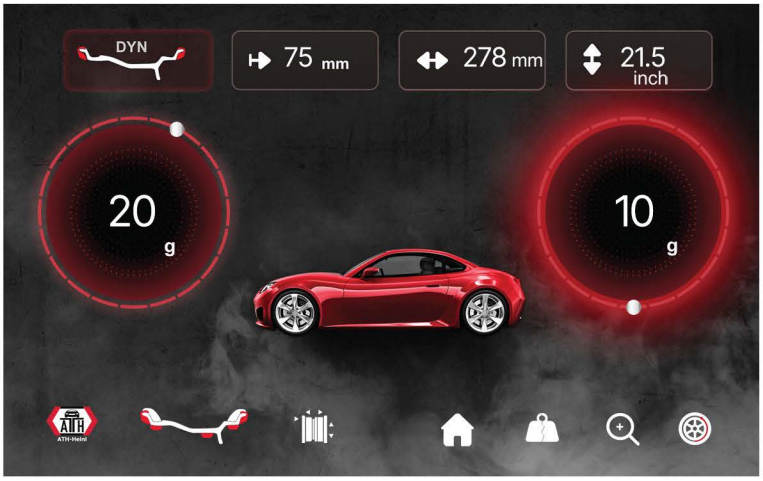
3. Close the wheel protection arch to start the measurement of the w value and the balancing process.

4. Once the balancing process is complete, the inner and outer unbalance value is shown on the display (+-5 g). The wheel is automatically rotated to the unbalance position.



5. Now stick or strike an appropriate weight at the position shown on the display (gray dot). The laser can provide you with appropriate assistance here.

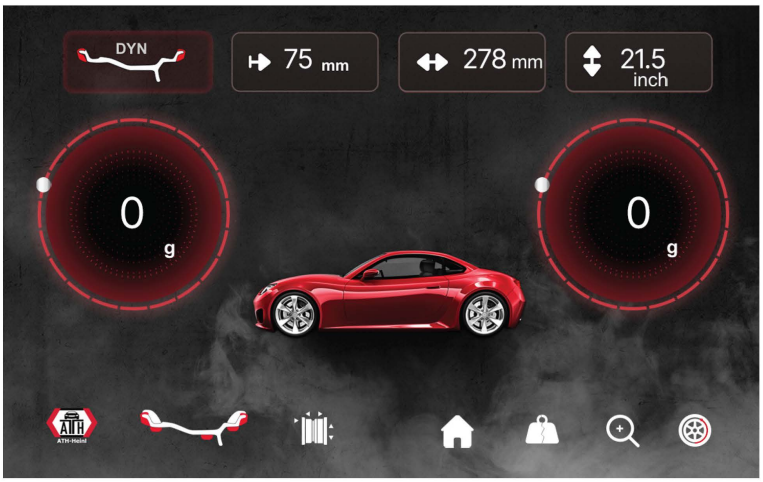
6. Press the  button and the wheel will automatically rotate to the second unbalanced position.



7. Now stick or strike an appropriate weight at the position shown on the display (gray dot). The laser can provide you with appropriate assistance here.

8. Close the wheel guard to start the balancing process.

✓ The balancing process has been successfully completed when the machine displays the value 0 - 0.



3.6 SPLIT HID function

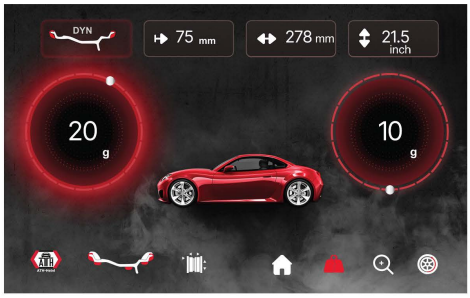
The SPLIT HID function can be used to hide weights behind the spokes of the rim. The unbalance is split from one position to two and recalculated accordingly. This function makes it possible to place balancing weights so that they are not visible from the outside.

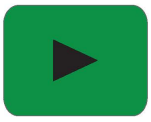
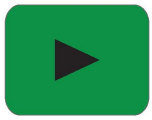
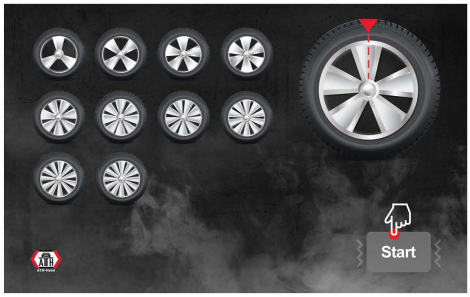
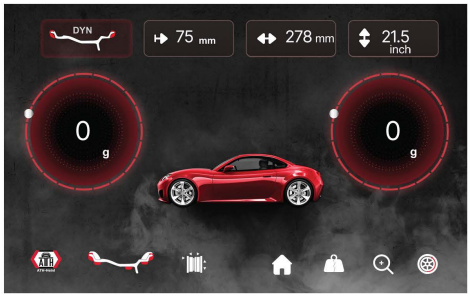
Note

The SPLIT HID function can only be used in ALU-S mode!

Carry out the balancing process using the ALU-S mode.

If the weight position is between two spokes, the SPLIT HID mode can be used:

Step	Action	The display shows
1	Use the buttons  or  buttons to select the  and confirm with the  -button to switch to SPIT HID mode.	

Step	Action	The display shows
2	Select the number of spokes using the  or  buttons. Confirm your selection with the  .	
3	Press the button again  .	
4	The wheel automatically rotates to the first point displayed. Place the balance weight at the position indicated by the laser.	
5	Confirm that the weight has been attached by pressing the  . The wheel rotates automatically to the second point displayed. Attach the balance weight to the position indicated by the laser.	
6	Close the wheel protection arch.	

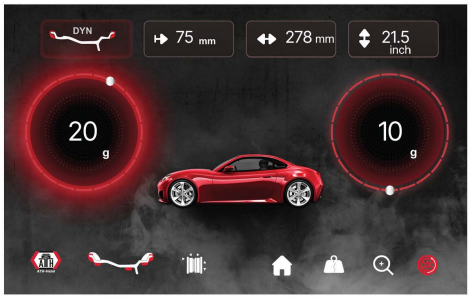
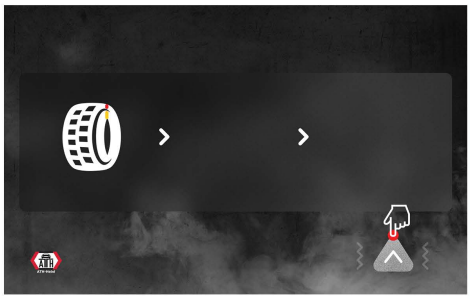
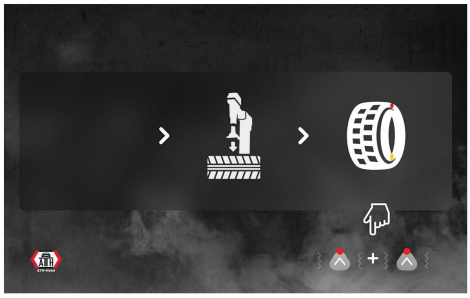
Release date: 20.08.2025 / Product manufacturer ATH-Heinl GmbH & Co. KG

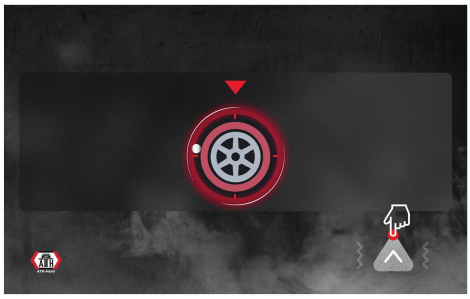
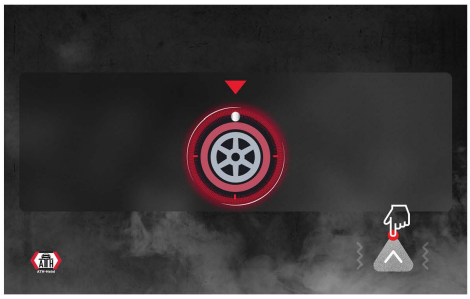
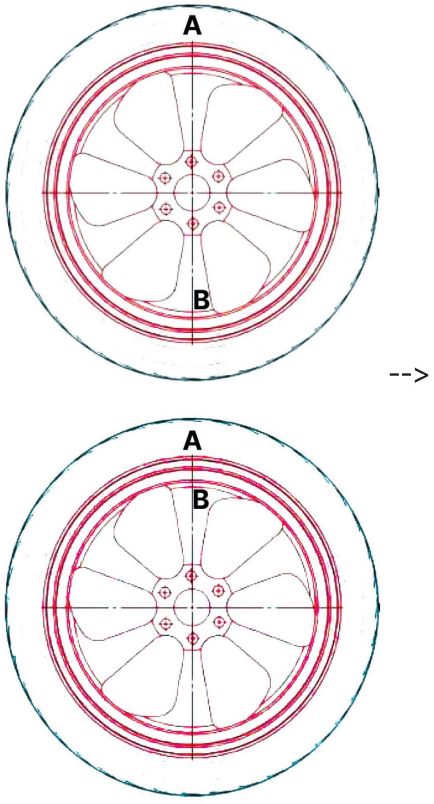
The required balance weights have been successfully distributed behind the spokes.

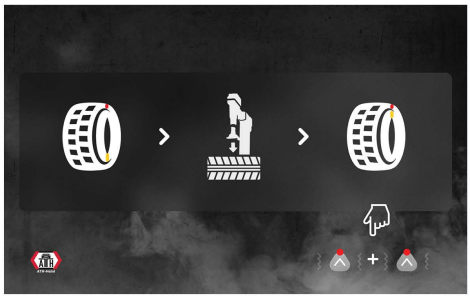
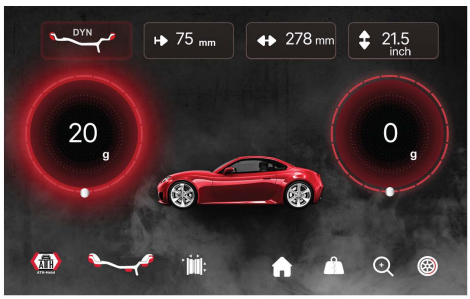
3.7 OPT function

If the unbalance is too great, the optimization program can be selected.

After the normal balancing process, carry out the following steps:

Step	Action	The display shows
1	Select the OPT function function with the  or  button.	
2	Press the button  button to call up the OPT function.	
3	Press the button  .	
4	Press the button twice  button twice and then close the wheel guard. The wheel is recalculated.	

Step	Action	The display shows
5	The wheel automatically rotates to the position in which the rim must be marked. Mark the rim at the 12 o'clock position.	
6	Press the button  . The wheel automatically rotates to the position in which the tire must be marked. Mark the tire at the 12 o'clock position.	
7	Rotate the tire by the specified number of degrees on the rim (in this case 180 degrees), e.g. using a tire changer.	

Step	Action	The display shows
8	Press the  -button.	
9	Press the button twice  button twice and then close the wheel guard. A new balancing process starts.	
10	If the unbalance is smaller than before, the optimization has been carried out successfully.	

4 MAINTENANCE

To ensure safe operation of the machine, the user is obliged to maintain the machine regularly.

Repair work may only be carried out by authorized service partners or by the customer after consultation with the manufacturer.

Warning

Before maintenance and repair work must:

- Disconnect the machine from ALL power supplies.
- Switch off the main switch or disconnect the power plug and, if necessary, release the compressed air from the system.
- Suitable measures must be taken to prevent the machine from being switched on again

Warning

Work on electrical elements or on the supply line may only be carried out by qualified persons or electricians.

4.1 Consumables for assembly, maintenance and care

Preservative for ropes, welds, screws, corners, edges and cavities

Minimum requirement		
ATH HP protective wax spray	400 ml	Item no.: 90534

Lubricant for bushings, chains, rollers & moving parts

Minimum requirement		
ATH HP adhesive grease spray	400 ml	Item no.: 90535
ATH HP WET 40	400 ml	Item no.: 90540
ATH HP universal spray oil	400 ml	Item no.: 90539

Floor anchorage

Minimum requirement		
Set of impact anchors	M8 x 100	Item no.: 90525

Compressed air system

Minimum requirement	
PROMAT chemicals Compressed air oil special	Item no.: 4000355209

Cleaning

Minimum requirement		
ATH HP brake cleaner	500 ml	Item no.: 90538

Care and protection of metals, painted or powder-coated surfaces

Minimum requirement		
ATH HP protective wax spray	400 ml	Item no.: 90534
ATH HP WET 40	400 ml	Item no.: 90540
ATH HP silicone spray	400 ml	Item no.: 90541

Care and protection of metals, painted or powder-coated surfaces in the tread area and plastic parts

Minimum requirement		
Valet Pro Classic Protectant plastic sealant	500 ml	Item no.: 20020034S

Touching up paint damage

Minimum requirement		
ATH HP paint spray RAL7016 anthracite	400 ml	Item no.: 90542
ATH HP spray paint RAL9005 black gloss	400 ml	Item no.: 90543

4.2 Maintenance or care plan

Note

The machine must be maintained, cleaned and cared for at regular intervals, regardless of how dirty it is.

The machine must then be treated with a care product (e.g. oil or wax spray). Do not use any cleaning agents that are harmful to the skin.

Failure to comply with the above points will invalidate the warranty!

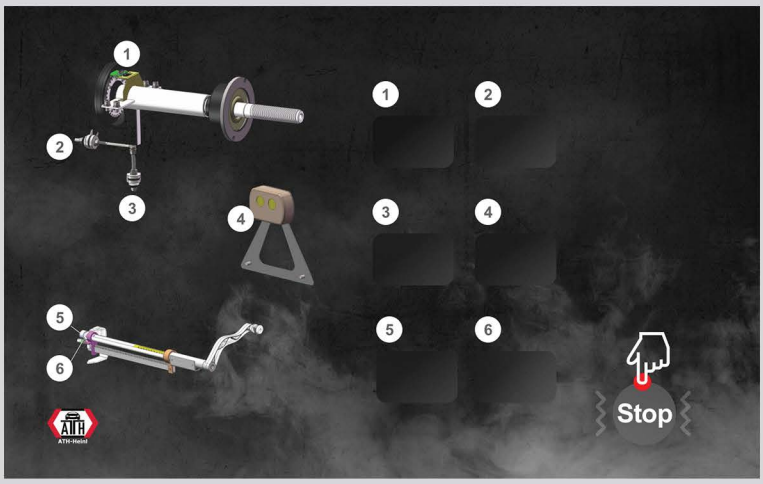
Interval	Immediately	Weekly	Monthly	1/4 yearly	1/2 yearly
Inspection of ALL safety-related parts	X				
Cleaning	X				

Interval	Immediately	Weekly	Monthly	1/4 yearly	1/2 yearly
Check or restore surface protection	X				
Check tightness of hydraulic system	X				
Check or restore surface protection or corrosion protection	X				
Check or restore damage to paintwork and components	X				
Check for or repair rust damage	X				
Check or re-treat cavities and unpainted areas.	X				
Check tightness of pneumatic system	X				
Check strength of screws	X				
Check, lubricate & adjust bearing clearance	X				
Check wear parts		X			
Check fluids (level, wear, contamination, quality)		X			
Check & lubricate sliding surfaces		X			
Remove internal dirt			X		
Clean and check electrical components				X	
Check engine and gearbox for function and wear				X	
Check welds and construction				X	
Perform visual inspection (according to inspection plan)					X

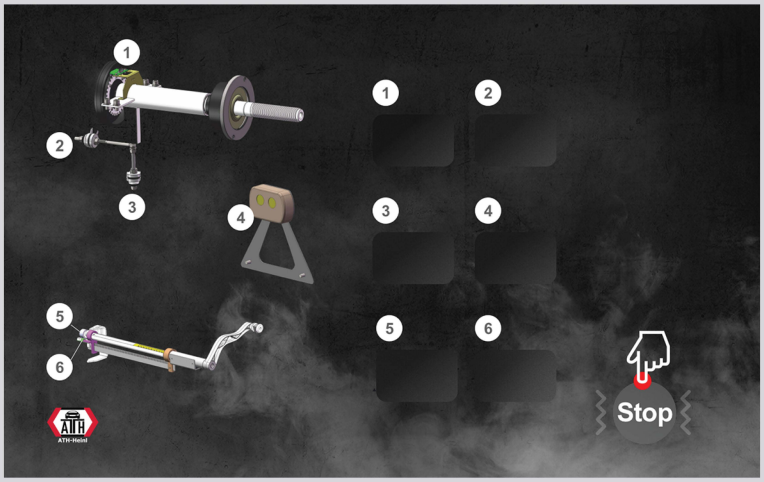
4.3 Self-diagnosis

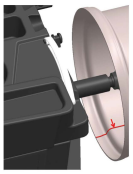
In the menu bar, select the  and press the  -button.

Select the option  and confirm with the  -button. To end the self-diagnosis, press the  -button.

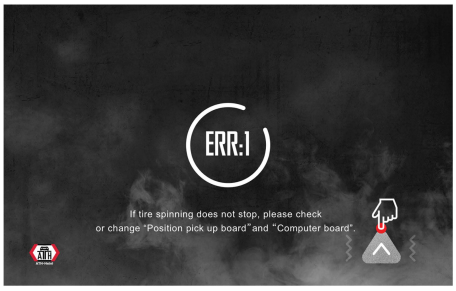
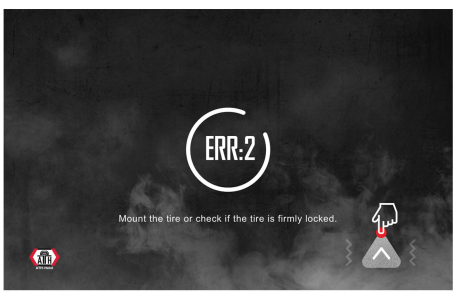


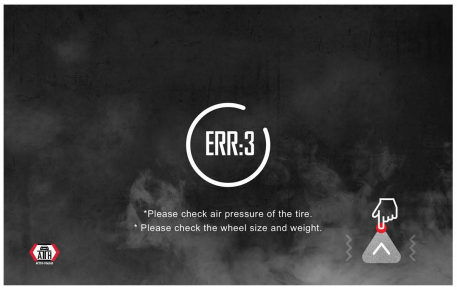
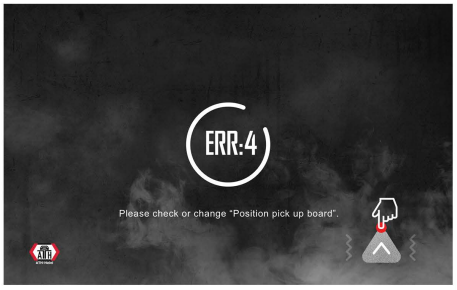
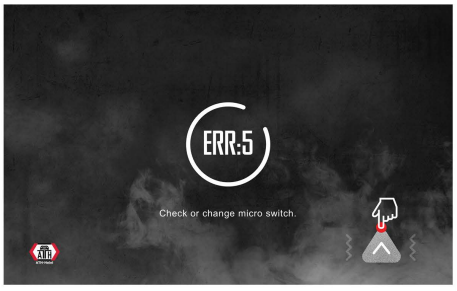
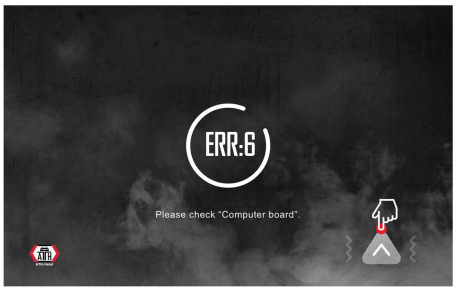
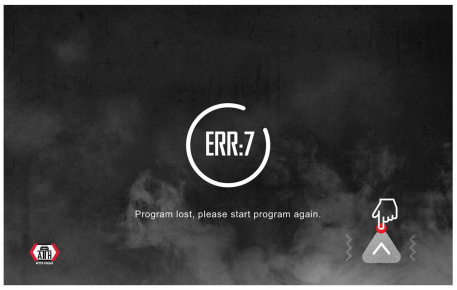
No.	Function	Function Operation
(1)	Position sensor	The value changes when the spindle is turned.
(2)	Dynamic equalizing pressure sensor	The value changes when the spindle is pushed down or up.
(3)	Pressure sensor for static compensation	The value changes when the spindle is pressed down or up.

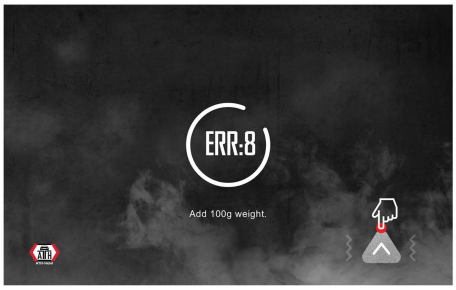
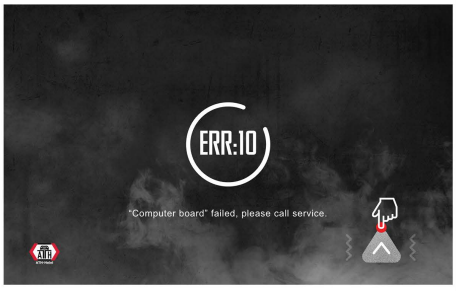


No.	Function	Function Operation
(4)	Width measurement sensor	The value changes when you cover the sensor with your hand.
(5)	Diameter sensor	The value changes when you move the gauge forwards and backwards.
(6)	Distance sensor	The value changes when you pull the measuring gauge outwards.
	Laser indicator	The laser is on.

4.4 Troubleshooting or error display and remedy

Error display	Cause of the error	Remedy
	▪ The shaft does not rotate ▪ The shaft is rotating	**Check whether:** ▪ all plugs on the power supply board are firmly seated or replace the power supply board ▪ all plugs on the rotation board are firmly seated ▪ the rotation board is correctly aligned
	▪ There is no wheel on the machine or the wheel is not clamped correctly ▪ The bearing sensor is defective	▪ Place the wheel on the balancing shaft or clamp the wheel correctly ▪ Check or replace the position sensor

Error display	Cause of the error	Remedy
	▪ The tire pressure is insufficient ▪ The rim is damaged	▪ Adjust the tire pressure ▪ Check the rim
	▪ The position sensor is defective ▪ The computer board is defective	▪ Check or replace the position sensor ▪ Check or replace the computer board
	▪ The microswitch on the wheel protection arch is defective ▪ The computer board is defective	▪ Check the microswitch in the protective mechanism ▪ Check or replace the computer board
	▪ The power supply board is defective ▪ The computer board is defective	▪ Check or replace the power supply board ▪ Check or replace the computer board
	▪ The set data has not been saved ▪ The computer board is defective	▪ Recalibrate the machine ▪ Check or replace the computer board

Error display	Cause of the error	Remedy
	▪ Calibration without 100 g weight ▪ The computer board is defective ▪ The power supply board is defective	▪ Calibrate the machine correctly ▪ Check or replace the computer board ▪ Check or replace the power supply board
	▪ The emergency brake has been activated	▪ Put the balancing machine back into operation
	▪ The computer board is locked or defective	▪ Contact the technical service ▪ Update your software

4.5 Maintenance and service instructions

Note

All maintenance and service work should be carried out at least after "Maintenance or care plan" take place

4.6 Disposal

Disconnect the air and power supply.
Remove all non-metallic materials and store them according to local regulations.
Remove the oil from the machine and store it according to local regulations.
Recycle all metallic materials.

Danger

The machine contains some hazardous substances.

These can pollute the environment and cause damage to the human body.

Take appropriate care when handling and wear protective clothing if necessary.

5 EC- EU DECLARATION OF CONFORMITY

according to Machinery Directive 2006/42/EC, Annex II 1A, EMC Directive 2014/30/EU, Annex IV

Serial number	
Company name and full address of the manufacturer	**ATH-Heinl GmbH & Co. KG** Gewerbepark 9 DE - 92278 Illschwang
Name and address of the authorized documentation representative	**ATH-Heinl GmbH & Co. KG** Gewerbepark 9 DE - 92278 Illschwang

We hereby declare that the machine described below, in the version placed on the market by us, complies with the relevant essential health and safety requirements of EC Directive 2006/42/EC and the harmonization legislation listed below.

Description of the machine	**Balancing machine for passenger cars**
Type designation	ATH W64 ATH W64P
The object of the declaration described above complies with the following relevant Union harmonization legislation	Directive 2006/42/EC, EU file L157/24 of 09.06.2006
The following harmonized standards and regulations have been complied with	DIN EN ISO 12100:2010 (Safety of machinery) DIN EN 60204-1: 2018 (Safety of Machinery)
Testing institute	**CCQS Certification Services Limited** Block 1 Blanchardstown Corporate Park, Ballycoolin Road Blanchardstown, Dubiln 15, D15 AKK1, Ireland
Reference number of the technical data	F-MC-230703-047-02-2A
Number of the certificate	CE-MC-230703-047-02-2A

ATH-Heinl GmbH & Co. KG
Gewerbepark 9
DE - 92278 Illschwang

July 2023

Hans Heinl
(Managing Director)

MODIFICATIONS AND/OR ALTERATIONS TO THE MACHINE INVALIDATE THE CE TEST AND EXCLUDE LIABILITY.

6 WARRANTY CARD

Dealer Address:	Customer Address:
Company (customer number, if applicable):	Company (customer number, if applicable):
Contact person:	Contact person:
Street:	Street:
Zip & City:	Zip & City:
Tel. & Fax:	Tel. & Fax:
Email:	Email:
Manufacturer & Model:	Year of manufacture:
Serial Number:	Reference Number:

Message Description:

Description of spare parts needed:

Spare part:	Part number:	Quantity:

Important Notes:
Damage caused by improper handling, neglected maintenance or mechanical damage is not covered by the warranty. For systems which have not been installed by an authorized ATH-Heinl fitter, the warranty is limited to the provision of the necessary spare parts.

Transport damages:

☐ Obvious defect — (Visible transport damage, note on delivery bill of the carrier, send copy of delivery bill and photos immediately to ATH-Heinl)

☐ Hidden defect — (Transport damage is only detected when unpacking the goods, send damage report with pictures to ATH-Heinl within 24 hours)

Place & Date | Signature & Stamp

6.1 Scope of the product warranty

Five years

- On the device structure

One year (under normal circumstances/use within the scope of the warranty)

- Power supply units
- Hydraulic cylinders
- All other wear components such as turntables, rubber plates, cables, chains, valves, switches, etc.

Warranty exclusion of

- Defects caused by normal wear, misuse, shipping damage, improper installation, tension, or lack of required maintenance.
- Damage resulting from neglect or failure to follow the specified instructions in this manual and/or other accompanying instructions.
- Components that have been damaged during transportation.
- Components that have not been explicitly listed but are handled as general wear parts.
- Water damage caused by e.g. rain, excessive moisture, corrosive environments or other contaminants.
- Blemishes that do not affect the function.

WARRANTY DOES NOT APPLY IF THE WARRANTY CARD HAS NOT BEEN SENT TO ATH-HEINL.

It is pointed out that damage and malfunctions caused by non-compliance with maintenance and adjustment work (according to operating instructions and/or instruction), faulty electrical connections (rotating field, nominal voltage, fuse protection) or improper use (overload, installation outdoors, technical modifications) exclude the warranty claim!

7 TEST BOOK

Note

This test log (including protocol) is an important part of the operating instructions and the product.

!!! PLEASE KEEP IT IN A SAFE PLACE!!!

Inspection

The product must be inspected by a suitable and approved company or institution after completion of installation, handover, instruction if necessary, and subsequently at regular intervals in accordance with the regulations and legal provisions applicable in the country of operation.

In the event of modifications or extensions to the product type, an additional test logbook must be kept and accepted.

Scope of inspection

In addition to the proper functioning, cleanliness and maintenance specifications, the safety-relevant components of the entire system must be checked in particular.

Technical data

please refer to the "Technical data".

Type plate

Please note down all data below

Manufacturer & type of mounting materials used

ATH-Heinl

Typ Type		**Serien # Serial #**	
Spannung Voltage		**Baujahr Year of built**	
Leistung Power		**Tragkraft Capacity**	

CE

Made by ATH-Heinl GmbH & Co.KG
Gewerbepark 9 | 92278 Illschwang
GERMANY | Assembly in China

7.1 Installation and handover protocol

Installation site:	Device/installation:
Company:	Manufacturer:
Street:	Type/Model:
City:	Serial Number:
Country:	Year of manufacture:

The product listed above has been assembled, checked for function and safety, and put into operation. The installation was carried out by:

☐ The operator ☐ The expert

The operator confirms the proper installation of the product type, to have read and understood all information of this operating manual and protocol and to observe them accordingly, as well as to keep these documents accessible to the instructed operators at any time.

The operator confirms that after installation and commissioning by a trained person of the manufacturer or an authorized dealer (expert), he has been instructed in the function, handling, safety-relevant specifications, maintenance and care of the machine, has received the documents, information and specifications of the machine and that the product functions properly.

IMPORTANT NOTE:
SHOULD THE ABOVE POINTS NOT BE FULFILLED, THE WARRANTY CLAIM WILL EXPIRE!

The warranty is only valid in case of compliance with and proof of proper installation, handover, if necessary instruction of the machine as well as the annual maintenance by an expert authorized by the manufacturer. The interval between 2 maintenance intervals must not exceed 12 months. In the case of non-standard use or multi-shift or seasonal use, a ½ yearly inspection and maintenance must be agreed.

Warranty claims will only be accepted if all points in the protocol and in the operating instructions have been fulfilled, the claim is made immediately after discovery and this **protocol** is sent **to the manufacturer in connection with the maintenance and, if applicable, service protocol**.

Furthermore, the specific information on the warranty (scope, claims and specifications) as described in the operating instructions must be observed.

Damage and claims resulting from improper handling, failure to provide maintenance and care, use of unsuitable or not specified assembly, operating, maintenance and care materials, mechanical damage, tampering with the equipment without consultation or by unauthorized experts are excluded from the warranty. For systems that have not been installed by an authorized expert, the warranty is limited by agreement of the manufacturer to a maximum of the provision of the necessary spare parts.

Name and company stamp of the expert if necessary number and name VKH	Date and signature of the expert
Name and company stamp of the operator	Date and signature of the operator

7.2 Test plan

Testing	1	2	3	4	5	6
Date						
Nameplate						
Brief operating instructions						
Operating instructions						
Safety label						
Marking for operation						
Further marking						
Construction (deformation, cracks)						
Fixing dowels and stability						
Condition of concrete floor (cracks)						
Condition / general condition						
Condition / cleanliness						
Condition / maintenance and sealing						
Condition / Fluids						
Condition / Lubrication						
Condition / Aggregate						
Condition / Drive						
Condition / Engine						
Condition / Gearbox						
Condition / Cylinder						
Condition / Valve						
Condition / Electrical control						
Condition / Electrical switches						
Condition / Electrical switches						
Condition / Electrical lines						
Condition / Hydraulic lines						
Condition / Hydraulic fittings						
Condition / Pneumatic lines						
Condition / Pneumatic screw connection						
Condition / Leak tightness						
Condition / Bolts and bearings						
Condition / Wear parts						
Condition / Covers						
Condition / Functions under load						

Testing	1	2	3	4	5	6
Date						
Condition / Safety relevant components						
Condition / Electrical safety device						
Condition / Hydraulic safety device						
Condition / Pneumatic safety device						
Condition / Mechanical safety device						
Condition / Functions under load						
Inspection sticker issued						

7.3 Inspection report

Visual inspection (authorized expert)

Inspection findings

On a regular/extraordinary inspection/re-inspection*.

The device was subjected to a test for operational readiness. No/the following* defects were found:

Scope of inspection: Functional and visual inspection according to specifications
Partial inspection still outstanding:

There are no *) objections to commissioning, no *) retesting is required.

(place, date)	(Signature of expert)
Confirmation of acceptance:	(Name of expert)
	(Job title)
	(Address)
	(Employed by)
Operator (Company stamp, date, signature)	
Defects noted **)	
Deficiencies corrected **)	

*) Please delete where not applicable

**) Confirmation of the operator or an authorized representative with date and signature

Visual inspection (authorized expert)

Inspection report

On a regular/extraordinary inspection/re-inspection*.

The device was subjected to an inspection for operational readiness. No/the following* defects were found:

Scope of inspection: Functional and visual inspection according to specifications
Partial inspection still outstanding:

There are no *) objections to commissioning, subsequent testing is not *) required.

(place, date) **Confirmation of acceptance:**	(Signature of expert) (Name of expert) (Job title) (Address) (Employed by)
Operator (Company stamp, date, signature) Defects noted **) Deficiencies corrected **)	

*) Please delete where not applicable

**) Confirmation of the operator or an authorized representative with date and signature

Visual inspection (authorized expert)

Inspection report

On a regular/extraordinary inspection/re-inspection*.

The device was subjected to an inspection for operational readiness. No/the following* defects were found:

Scope of inspection: Functional and visual inspection according to specifications
Partial inspection still outstanding:

There are no *) objections to commissioning, subsequent testing is not *) required.

(place, date) **Confirmation of acceptance:**	(Signature of expert) (Name of expert) (Job title) (Address) (Employed by)
Operator (Company stamp, date, signature) Defects noted **) Deficiencies corrected **)	

*) Please delete where not applicable

**) Confirmation of the operator or an authorized representative with date and signature

Visual inspection (authorized expert)

Inspection report

On a regular/extraordinary inspection/re-inspection*.

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(place, date) **Confirmation of acceptance:**	(Signature of expert) (Name of expert) (Job title) (Address) (Employed by)
Operator (Company stamp, date, signature) Defects noted **) Deficiencies corrected **)	

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Visual inspection (authorized expert)

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Visual inspection (authorized expert)

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(place, date) **Confirmation of acceptance:**	(Signature of expert) (Name of expert) (Job title) (Address) (Employed by)
Operator (Company stamp, date, signature) Defects noted **) Deficiencies corrected **)	

*) Please delete where not applicable

**) Confirmation of the operator or an authorized representative with date and signature