

WHEELTEST 5

User Guide

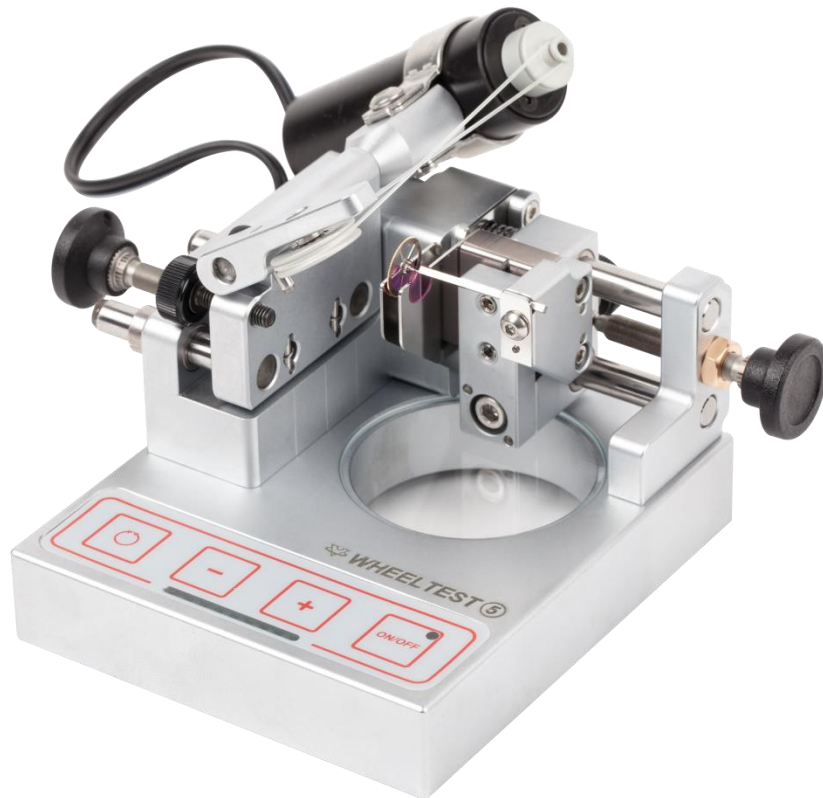


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	WT 5 – User Guide	Version 1.1
		12.2016
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1 General information

1.1 Guarantee

VOH SA warrants this product against any defects in manufacturing or in materials under normal conditions of use and service for a duration of two years from the date of commissioning at the client's premises. If, at any time during the guarantee period, the product is found to be defective or fails, VOH SA shall repair or replace it (at the discretion of VOH SA).

If the product is defective, please call VOH Customer Service on +41(32) 945 17 45.

The warranty shall not apply if VOH SA proves the default or failure is due to improper use of the equipment.

The product is equipped with seals of warranty. Breaking or severing these seals leads to cancellation of the warranty.



Figure 1: Seal of warranty

The scope of VOH SA's liability is limited to the repair or the replacement of the product under the terms set out above.

VOH SA SHALL NOT BE HELD LIABLE FOR ANY LOSS OR DAMAGES, INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING DIRECTLY OR INDIRECTLY FROM A BREACH OF THE GUARANTEE, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. THIS GUARANTEE IS THE ONLY EXPRESS GUARANTEE PROVIDED BY VOH SA FOR THIS PRODUCT.

This guarantee only covers the initial buyer and is not transferable.

If you have any questions regarding the guarantee, please write to VOH SA at the following address:

VOH SA
La Praye 5a
CH-2608 Courtelary

Telephone: +41(32) 945 17 45
Fax: +41(32) 945 17 55
e-Mail: customer-service@voh.ch
Internet: <http://www.voh.ch>

1.2 Safety instructions

Warning

- Do not use the WHEELTEST 5 if it is damaged. Before using the WHEELTEST 5, inspect its enclosure, the condition of its battery as well as its electrical connections.
- The WHEELTEST 5 must be used according to the manufacturer's recommendations.
- Do not use the WHEELTEST 5 in a dirty environment.
- The WHEELTEST 5 should only be used by people who have been trained to use the device.

Caution!!!

- Please read the information contained in this manual prior to using the equipment. Improper use may damage the system or lead to incorrect results.
- When not using the device for extended periods, remove the battery.
- Do not disassemble the device. The manufacturer reserves the right to replace or repair a defective component.
- Use this device at a temperature between 10°C and 40°C (140 °F).

1.3 Transport

This device is not designed for frequent transport. However, if it is necessary to move the device, take care not to expose it to shocks that could deteriorate its mechanics. Similarly, in the event of transport over long distances, use shock-protecting packaging.

1.4 Storage

The *WHEELTEST 5* must be stored in a dry and dust-free environment. Storage temperature must be between 10°C and 40°C. It is recommended to cover the device in order to protect it from dust and moisture.

2 Product description

The *WHEELTEST 5* is a device for rotating watch supplies. Two « V's » support the mobile to be driven. The height, distance and alignment of one « V » to the other can be adjusted. In addition, the position of the drive belt is also adjustable.

The *WHEELTEST 5* is compatible with the *WHEELTEST VISION*, a device for measuring the axial and radial beats of watch supplies.

The *WHEELTEST 5* can also be powered via its table adapter. It can be used in addition to a binocular to control the beats of watch supplies.

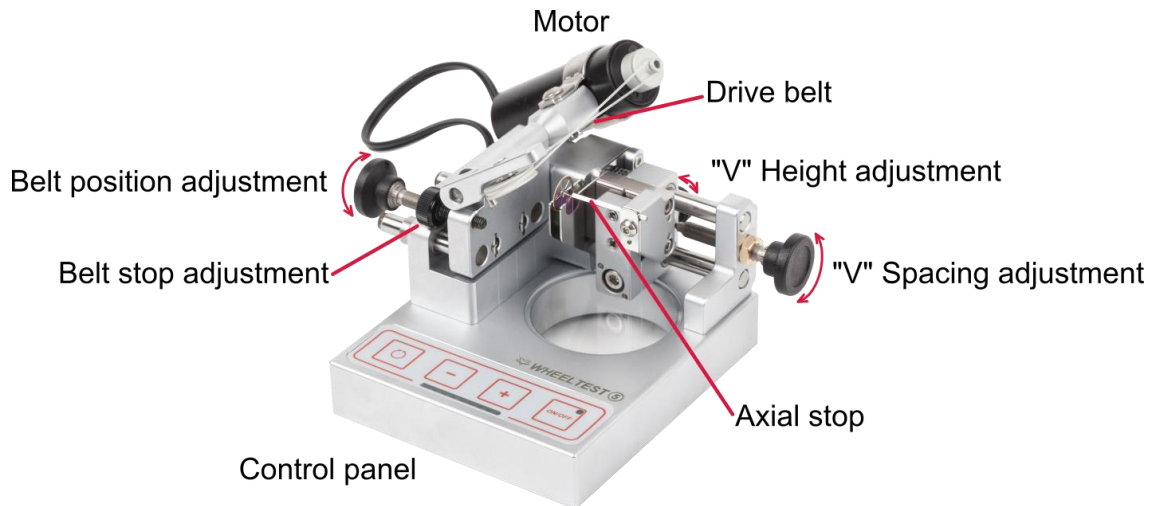


Figure 2: *WHEELTEST 5* (front face)

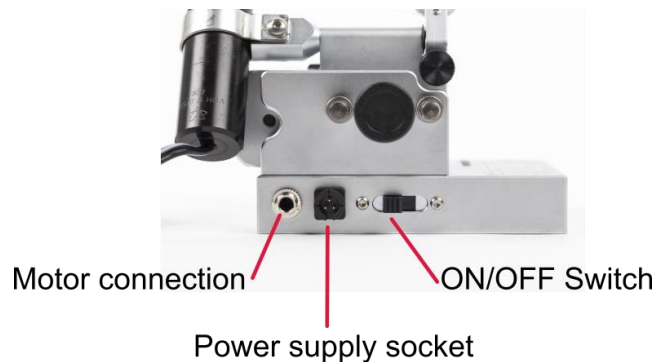


Figure 3: *WHEELTEST 5* (rear face)

3 Use

3.1 Start-up

The machine is started by the slide switch next to the power connection. When it is turned on, the motor will not turn, but the last parameters used (speed and direction of rotation) will be restored.

3.2 Use

The correct use of the WHEELTEST 5 installation is of paramount importance for reliable measurements.

3.2.1 WHEELTEST 5 placement and adjustments

The component to be measured must be placed between the two "V's" of the Wheeltest.

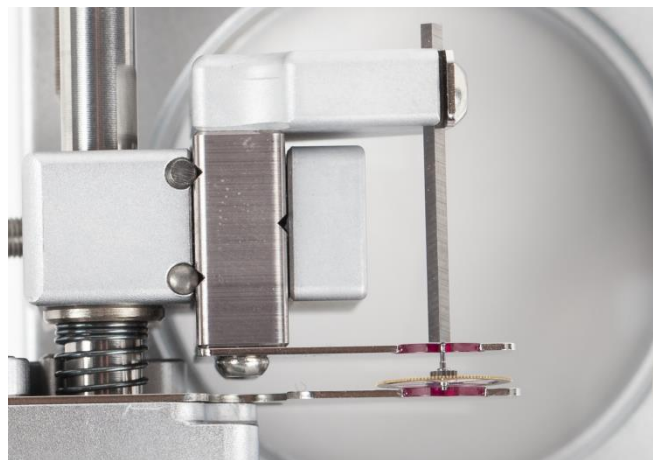


Figure 4: Component placed between the two « V's »

Due to its construction, the WHEELTEST 5 allows the observation of the component parts not only between the « V's », but also outside them.

First, the distance between the two « V's » must be adjusted using the micrometer screw provided for this purpose.



Figure 5: Micrometer screw for adjusting the distance between the two « V's »

Once the distance has been set correctly, the height of the « V » must be adjusted. Indeed, for the measurement to take place in an optimal way, the axis of the measured component must be horizontal. This adjustment is made using the screw provided for this purpose.



Figure 6: « V's » height adjustment screw

Le *WHEELTEST 5* is also equipped with a stop to hold the component at the « V » bottom when it is driven. This stop is used, for example, when a component does not have a shoulder. To adjust the stop position, use the IMBUS screwdriver supplied with the *WHEELTEST 5* to loosen the locking plate. Then slide the stop into the desired position before locking its position in the same way.

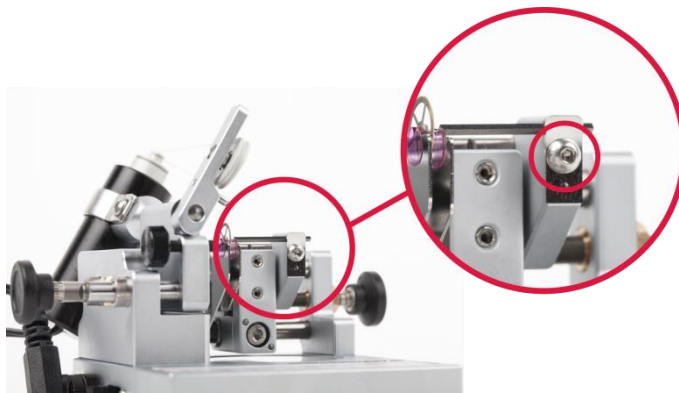


Figure 7: Stop adjustment

Then, the axial position of the belt has to be adjusted. This is adjusted with a micrometric screw.

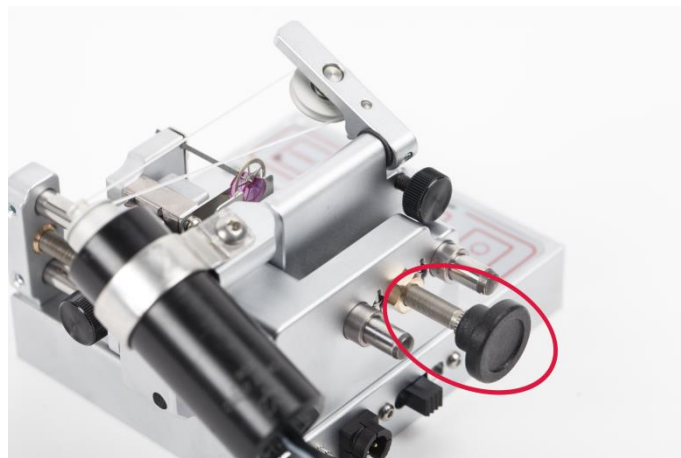


Figure 8: Micrometric screw for adjusting the axial position of the belt

In order to facilitate the positioning and placement of the belt when changing component, it is equipped with an adjustable stop. This stop is adjusted with a screw. It ensures that the belt tension on the component is constant from one measurement to the next.



Figure 9: Screw to adjust the belt stop

The speed is selected using the « + » and « - » control buttons. A luminous bar made up of 8 leds makes it possible to visualize the parameterized speed. Pressing the « On/Off » button for 2 seconds activates the motor. A brief press of the « On/Off » button makes it possible to rotate step by step. The direction of rotation of the mobile is alternated by pressing the corresponding button.



Figure 10: Control buttons

4 Resolution of common problems

Type of error	Cause	Resolution
No LED turns on when powered up	Speed was set at minimum during last use Connections are faulty	Increase speed to confirm that the Wheeltest 5 is being supplied with power Check connections.
The wheel is not driven	The belt is not resting against the wheel or the belt is damaged The mobile is clamped between the two "V's »	Reposition, or replace the belt Adjust the position of the adjustable buffer Adjust the distance between the two « V's »
The component has a beat out of normal	The distance between the two « V's » is too big	Tighten the "V's »

5 Exclusion of responsibility/warranty

Damages caused by use, transportation or storage that do not comply with those described in this manual are not taken care of by the manufacturer. Modifications to the machine and opening the casing are forbidden and entail an exclusion of responsibility. The right to a warranty expires when these are demonstrated or if the faults noted cannot be original. Consumables (belts) are not subject to warranty.

6 Maintenance and care

No special care is necessary for the Wheeltest 5 except classic cleaning with a dry cloth. The belt is a consumable to be replaced when the user deems necessary.

5.1 List of consumable :

VOH article No.	Label
17.01185.SP.02	Silicone belt diameter 0.5mm
17.01185.SP.03	Silicone belt diameter 0.3mm

6 Representation/distribution

