

# Wheeltest III

## User's manual

Translated from french





Mecatronic solution
EN_Wheeltest3_guide.doc
Created 17.03.2011
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# 1 General information

## 1.1 Warranty

Warranty is as stated in the General terms and conditions of sale, except for the length of the warranty, which is set at 24 months.

## 1.2 Safety information

### Warning

- Do not use the Wheeltest III if it is damaged. Before using the Wheeltest III, inspect its casing and its electrical connections.
- The Wheeltest III must be used on the way specified by the manufacturer
- The Wheeltest 2 must only be used by people who have been trained to do so.

### Beware!!!

- Please read the information included in this manual before using this apparatus. Incorrect use may damage the system or cause errors.
- Before connecting the machine for the first time, verify that the supply voltage of the power grid corresponds to that required by the machine.
- In case of prolonged non-use, disconnect the electrical supply cable.
- Do not dismantle the machine. Only the manufacturer is entitled to replace or repair a faulty component.
- Use this machine at a temperature between 10°C and 40°C (140 °F)

## 1.3 Transportation

This machine is not intended to be frequently transported. If it is nevertheless necessary to transport it, ensure that no shocks are caused that might deteriorate the mechanism of the device. Also, in case of transport over a long distance, it is preferable to use anti-shock packaging

## 1.4 Storage

The Wheeltest III must be stored in a dry and dust-free place. The storage temperature must be between 10°C and 40°C. It is advisable to wrap up the machine to protect it from dust and humidity.

## 2 Parts of the machine

A watch wheel is placed on the specific jaws that are positioned on the base by two pins. There is a set of jaws for each part reference. Rotation is guaranteed by a belt that drives the wheel. The Wheeltest III comprises a series of control knobs for the motor. The position of the motor may be adjusted by means of 2 buffers (axial position and as to height).

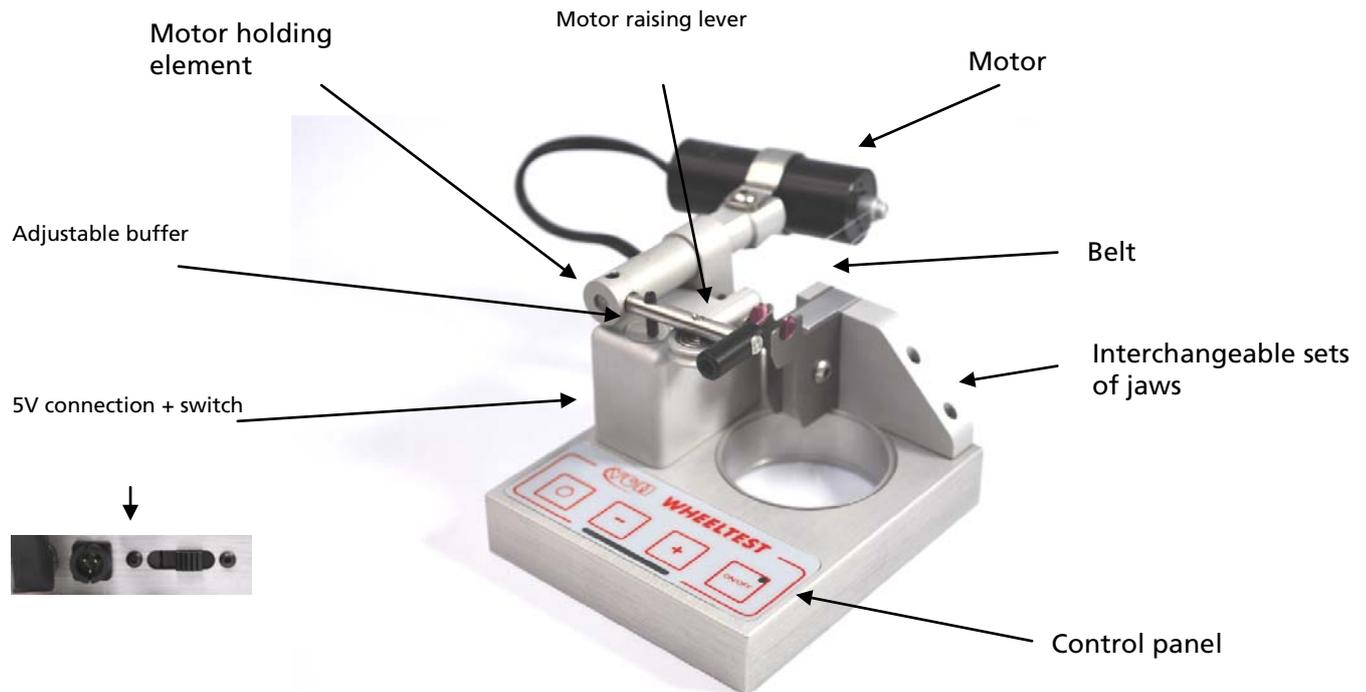


Figure 1: General view of the Wheeltest III

## 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

### 3.2.1 Placing the specific jaws on the base

The specific jaws are interchangeable and are positioned on the base by 2 pins. The adjustment of the specific jaws is carried out by VOH Ltd.



Figure 2: Wheeltest III with a set of specific jaws

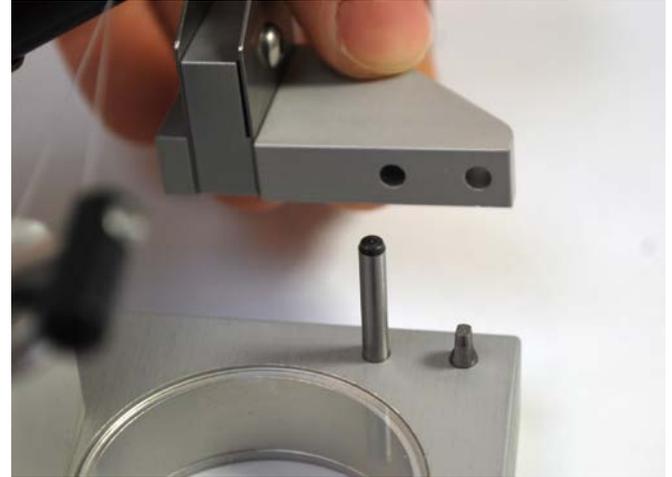


Figure 3: Positioning pins

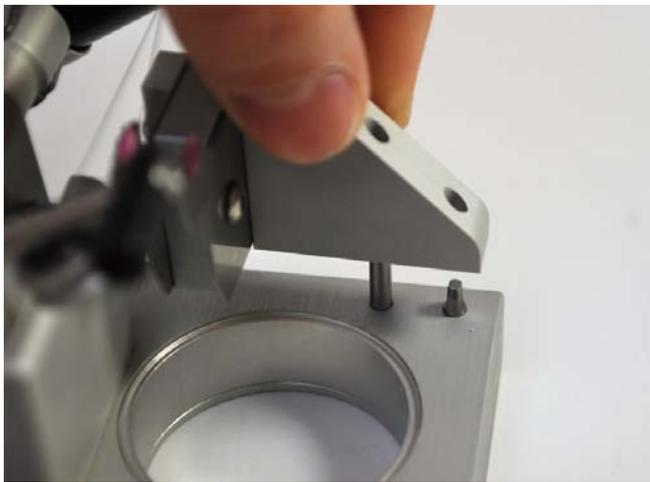


Figure 4: Placing the set of specific jaws

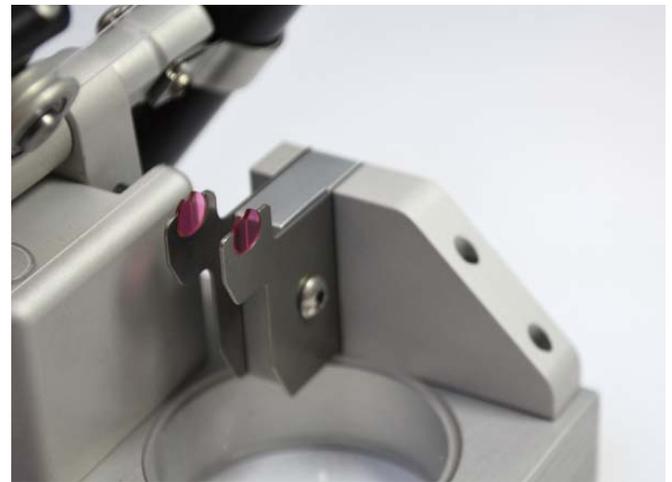


Figure 5: System ready to function

### 3.2.2 Adjustments

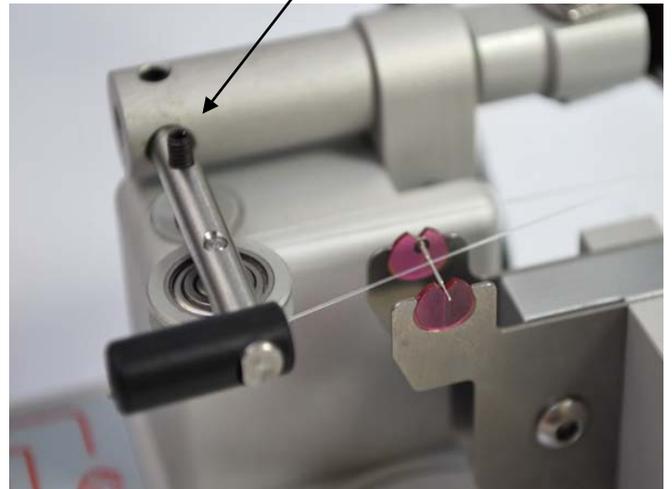
To adjust the axial position of the motor (figure 6), the knurled knob screw must be used. Height adjustment of the motor belt is made by the positioning screw (figure 7).

Knurled knob screw



**Figure 6: Adjustment of the axial position of the motor**

Adjustable buffer positioning screw



**Figure 7: Adjustment of buffer height**

Then adjust rotation speed of the wheel and drive direction

Change of direction

Speed adjustment

Turn on/off



**Figure 8: control panel**

## 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 III is being supplied with power Check connections.
The wheel is not driven	The belt is not resting against the wheel	Reposition, or replace the belt Adjust the position of the adjustable buffer

## 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 III except classic cleaning with a dry cloth. The belt is a consumable to be replaced when the user deems necessary.

## 7 Technical data

Parameter	Value
Supply voltage	5V DC
Power	850 mW
Dimensions	Depth : 90 mm Width : 110 mm Height : 65 mm

## 8 Representation/distribution



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