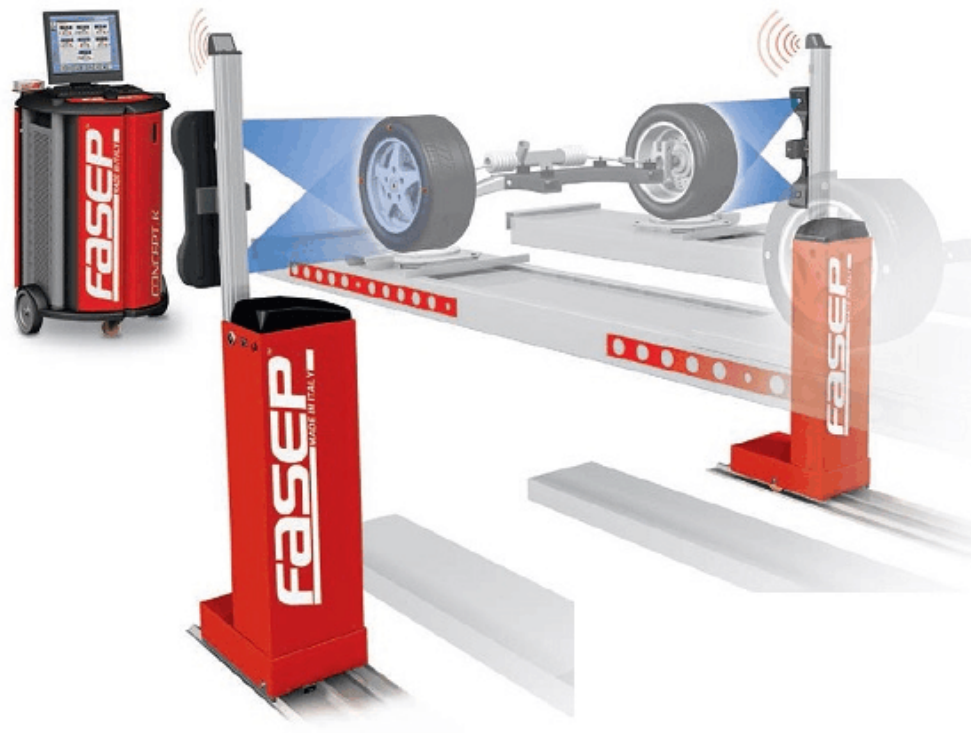


## NoContact User's Manual



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## WARNING

*.This document contains information which is the property of FASEP 2000 rl and all rights are reserved. This manual shall not be photocopied or reproduced in any way without the prior written consent of FASEP 2000 srl.*

*.FASEP 2000 srl reserves the right to revise products firmware, software or documentation without obligation to notify any person or organization. The information contained in this document is subject to change without warning.*

*.Prior of the installation of the unit described in this manual, user should read this manual carefully to be instructed properly on installation, use and maintenance of the unit.*

**.Failing to read this manual and operate accordingly may cause damage to the user or the unit.**

*.FASEP 2000 srl shall not be responsible for inconvenience, breakdown, accidents due to uncomplete knowledge of this manual or uncomplete application of raccomandations described in this manual.*

*.FASP 2000 srl shall not be responsible for inconvenience, breakdown, accidents due to unauthorized modifications of the unit, use of non-original or unauthorized accessories (see Accessories listing in this manual for a list of original accessories available for this model).*

**.FASEP 2000 srl shall not be responsible for any inconvenience, breakdown, accidents caused directly or indirectly by not qualified service. Service to any parts by not qualified persons will void warranty and will void any right of the owner of the unit.**

*.In compiling the data bank for wheel alignment, we rely upon information supplied by a variety of external data sources. The data are supplied while we believe all the information in it will be correct at the time of publication.*

*The information is not represented to be accurate, current, complete, or suitable for any specific purpose, and may have changed since the date of supply.*

*We do not warrant its total accuracy or completeness and to the full extent allowed by law exclude liability in contract, tort or otherwise, for any loss or damage sustained by users and subscribers and limits any liability it may have to an update of such information.*

*The software or prints by which the information is provided is not represented to be error free.*

*No responsibility is accepted for any reliance placed by any person upon the information, or the software by which it is provided. Persons acquiring or using the information and its associated software must exercise their independent and professional judgment in doing their job.*

*Not to mention that the accuracy and goodness of measurements does depend on several other factors such as:*

- up-to-date data
- calibration of sensors
- maintenance of accuracy of clamps
- accuracy of setup of the measuring system by the user
- correct procedure of measurement followed by the user
- correct and complete adjustments made by the user

*In any case of detecting incorrect data in our database / publications, once you provide us the correct data, we will be glad to modify / correct our master database and send you a free upgraded revision of data.*

## SYMBOLS AND CONVENTIONS

To speed the retrieval of main information and make easy to understand the instructions, this manual uses the following typing conventions:



### ADVICES

Contain useful advices or solutions, evidenced to the rest of the text.



### NOTE

Notes contain important information, evidenced to the rest of the text.



### WARNING

Warning messages appears corresponding to procedures that, if not properly observed, may lead to loose of data or cause damage to the unit.



### CAUTION

Caution messages appears corresponding to procedures that, if not properly observed, may cause injuries to the user.

## ORIGINAL INSTRUCTIONS

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## 1 PRESENTATION

### 1.0 Special Utility

This unit is meant for professional use only. The operator shall be properly trained before use. Training Course is not included in the price of the unit and must be purchased separately.

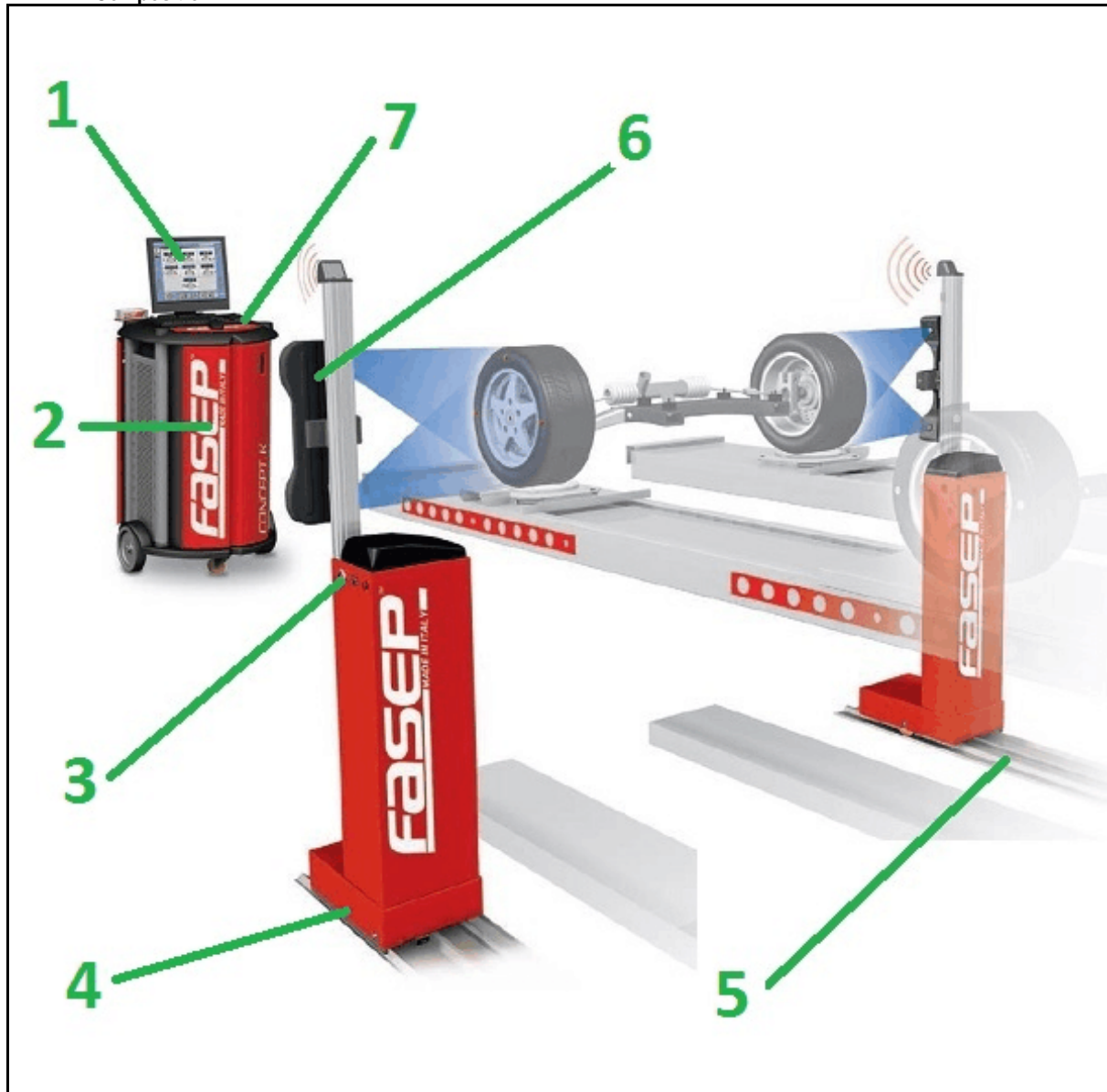
This unit is designed for indoor use only (see "Environmental Data" appendix for reference).



### CAUTION

*This unit is designed for wheel alignment of vehicles suiting the specific characteristics required. Any other kind of use is to be concerned improper and irregular.*

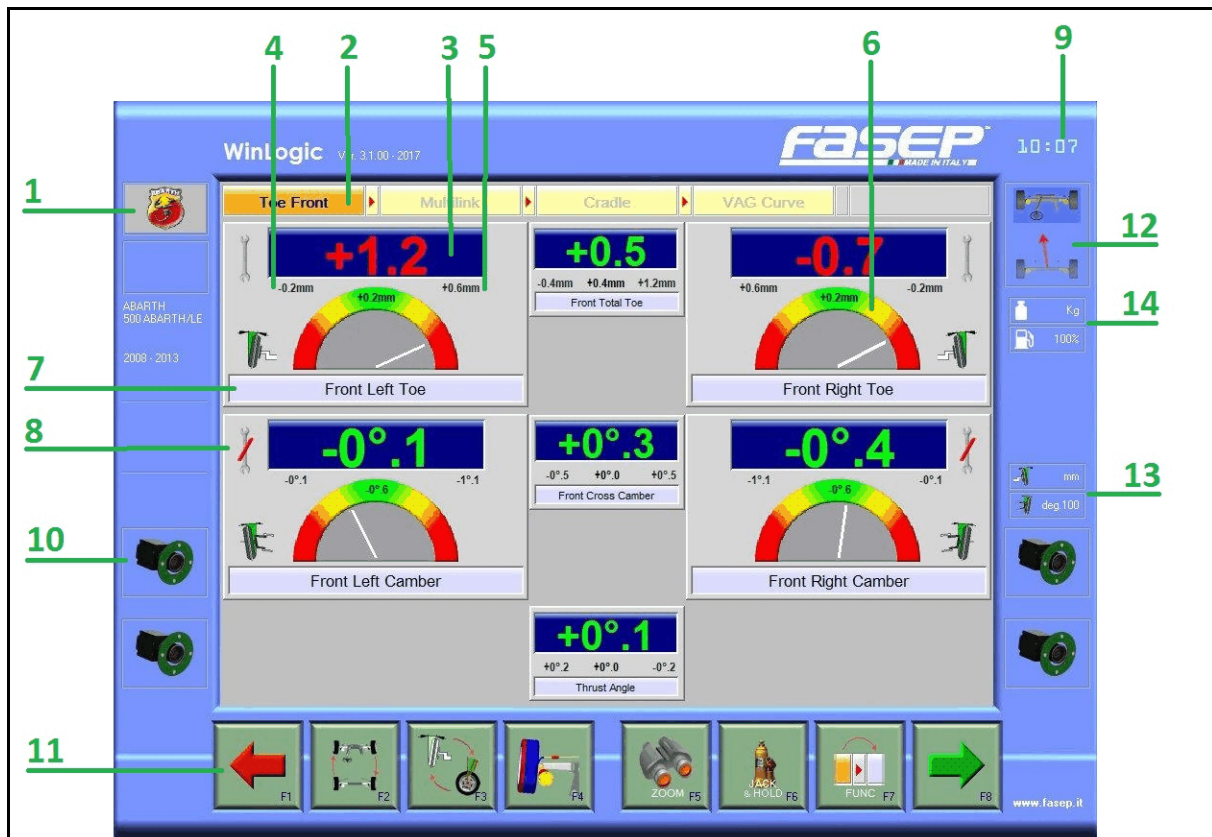
### 1.1 Composition



1. Monitor
2. PC and printer inside cabinet
3. Control system
4. Unit of measue robot
5. Track

6. Cameras
7. PC Keyboard

## 1.2 Electronic Symbols



- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Chosen vehicles.</li> <li>2. Chosen measure.</li> <li>3. Numeric value of measure.</li> <li>4. Min. value of measure.</li> <li>5. Max. value of measure.</li> <li>6. Graphical visualisation of measure.</li> <li>7. Specific regulated measure .</li> </ol> | <ol style="list-style-type: none"> <li>8. Adjustability of measure.</li> <li>9. Hour.</li> <li>10. Indicates connection, battery and sensor level.</li> <li>11. Key buttons.</li> <li>12. Indicates the regulated axle.</li> <li>13. Unit of measure.</li> <li>14. Load and fuel required.</li> </ol> |
|--|---|

## 2 INSTALLATION

### 2.1 Moving the unit

- 2.1.1 For ease of transport, the wheel aligner is disassembled into units (machine, control panel, Safety Wheelguard) and provided with special packing on pallets. To transport the machine on site, use suitable lifting or mobile industrial handling equipment, such as forklift truck or platform truck. Do not grip plastic parts of the machine to lift or move the latter.



**WARNING:** *When the unit has to be moved:  
Do not submit the package to abnormal shock as it may cause serious damage to the sensors and computer.*

### 2.2 Unpacking the unit

- 2.2.1 The wheel aligner and all accessories should be unpacked on the spot where the operator intends to use this machinery. All accessories and related pieces of equipment should be at hand during installation.
- 2.2.2 Unpack and make sure you have received all standard parts listed above.

### 2.3 Assembling the cabinets

- 2.3.1 **SELECTING A PERMANENT LOCATION FOR THE WHEEL ALIGNER:**  
The distance from the wall of the machine should be carefully planned in the event of future needs. For a minimum space required see Appendix tables.



**NOTE:** *When choosing a site, health and safety at work should be taken into account. In some country Health and Safety at Work is regulated by specific restrictions and regulations: it is the user's responsibility that such restrictions and regulations are taken into account when installing the unit.*

### 2.4 Wiring the equipment



**CAUTION:** *Failure to follow the below listed instructions can result in damage to unit or create an electrical hazard and will void warranty.*

1. *Electrical hookup is to be provided by a qualified electrician, under the local safety requirements, in line with relevant national standards and regulations. All wiring must conform to local codes.*
2. *A fusible wall-mounted switchbox is required on the installation site. This switch should provide on-off control and overload protection for your wheel aligner only. The switchbox should be fused with time-delay fuse(s) in accordance with the power rating specified on your wheel aligner.*
3. *Electrical connection of the machine should be by plug connectors. The connecting cable of the machine has to be provided with an appropriate plug for the sockets mounted on site, under the local safety requirements, in line with relevant national standards and regulations.*
3. *The unit must be effectively connected to earth ground. The electrical cord is regularly provided with a ground terminal.*
4. *Make sure that Power Rate Specifications for your unit (refer to nameplate) comply with those provided by the external power source.*

- 2.4.5. Before switching on the machine, the wires must be connected to the computer on the back side of the machine.



## **2.5 How to install Winlogic Program**

- 2.5.1 Insert USB key in computer
- 2.5.2 Select USB disk unit, and run Winlogic.3.x.x\_DBxxxx.exe
- 2.5.3 Select installation language
- 2.5.4 Follow instruction on monitor to complete installation
- 2.5.5 The interface drivers are loaded during the installation of the program
- 2.5.6 When installation is completed select reboot now and click on end to restart PC
- 2.5.7 Connect ATOMIC Interface to computer by USB cable and wait for confirmation of the installation
- 2.5.8 Start Winlogic program

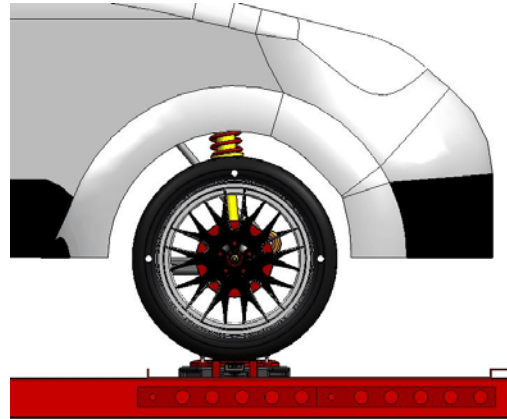
### 3 WHEEL ALIGNMENT PRELIMINARIES

#### 3.1 Installation of the measuring set. (Self-centering clamps, sensors, turntables, wires, toe-lines)

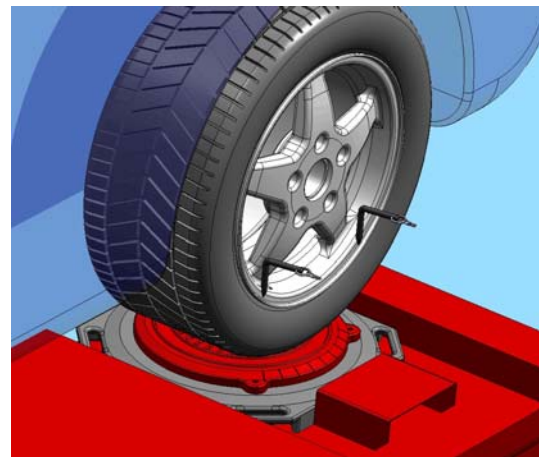


**NOTE** Before switching on the equipment check that the cables have been connected correctly. It is not advisable to connect *SENSORS - TURNTABLES - CONNECTION BOX - EQUIPMENT* when the equipments switched on.

##### 3.1.1 SET THE CAR: Drive the car over the lift or the pit so that the front wheels are right on the center of the turntables. Turntables must be locked while driving the car over them, using the locking pins provided, and may be unlocked once the car is stopped.



##### 3.1.2. Unlock the turntables.



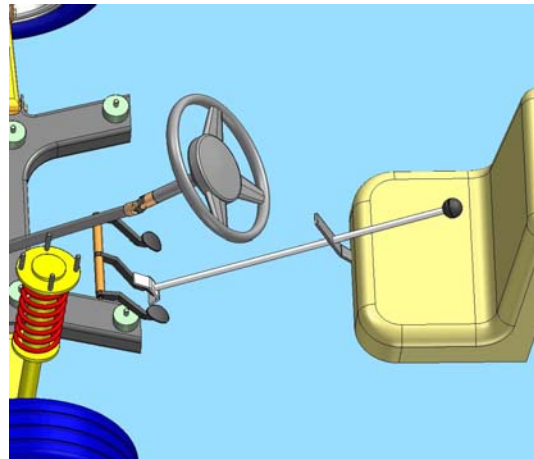


### 3.2 Select vehicle

Brand > Type >  
Press F8 to start the search of the rear wheel



At the end of the reading place brake lock



Caster Swing



Place steering lock



### 3.3 Entering/correcting Characteristic measures

Select: Main Menu > F2 > Makes > Model > Model > Preinspection > Characteristic measures.

Verify and modify the terms of the vehicle under exam.



**NOTE** F1: Turn back to the previous page.  
F5: Edit the fields.  
F8: Confirm.



**NOTE** The Wheelbase-correction is not necessary if the difference from the real value doesn't exceed 20%.





#### 4 How to control and/or modify the typical angles of a vehicle

Insert the characteristic measures of the vehicle under exam and proceed with the control of the typical angles.

##### 4.1 Rear wheel Toe - camber

Select from the Menu CHARACTERISTIC MEASURES:  
Manufacturer's values > Current measurements > Front toe > F2.



**NOTE** F1: Turn back to the previous page.

F3: Asse di spinta On/Off.

F4: Visualization of the problem.

F5: Zoom.

F6: Suspension measure



##### 4.2 Front wheel Caster - King pin



**NOTE** Connect the front drawer to the plates.

4.2.1 If the rear axle has just been controlled, press F2 > F3.

4.2.2 If the rear axle has not been controlled yet, select from the Menu CHARACTERISTIC MEASUREMENTS: Manufacturer's values > Current measurements > Front toe > F3.

For castor measurement follow the instructions on the display.



**NOTE** F1: Turn back to the previous page.

F2: Steering-Mode.

F3: Toe-in/Toe-out.

F5: Zoom.

F6: Reset.



##### 4.3 Included angle

4.3.1 After termination of castor measurement press F8 for the display of the **included angle**.



#### 4.4 Toe-out

- 4.4.1 After termination of castor-measurement press F8 since Toe-out is displayed.



#### 4.5 Front wheel Toe - Camber

- 4.5.1 If castor-measurement has just been completed, press F3.  
4.5.2 If castor-measurement has not been executed, select from the Menu CHARACTERISTIC MEASURES: Manufacturer's values > Current measurements.



**NOTE** F1: Turn back to the previous page.  
F2: Front/Rear.  
F3: Castor/Toe.  
F4: Display of the problem.  
F5: Zoom.  
F6: Suspension of measures.



#### 4.6 Multiadjustment (optional)



**WARNING** Before starting the Multiadjustment function the castor-measurement must have been carried out.

4.6.1 Start from the Toe-form and press F7.



**NOTE** F1: Turn back to the previous page.  
F2: Front/Rear.  
F3: Castor/Toe-in.  
F4: Display of the problem.  
F5: Zoom.  
F6: Suspension of measures.



#### 4.7 Culla (optional)

4.7.1 Starting from the regulation page, press F7 since **Culla** is displayed.

Starting from the regulation page, press F8 since **Culla** is displayed.



**NOTE** F1: Turn back to the previous page.  
F2: Front/Rear.  
F3: Toe/Castor  
F5: Zoom.  
F6: Suspension of measures.



#### 4.8 Curva VAG (optional)



**WARNING** For this procedure you need specific tools and particular instructions which depend on the type of vehicle under exam.

4.8.1 Starting from the regulation page, press F7 since **Curva VAG** is displayed.

For measurement of Curva VAG follow the instruction on the display.



**NOTE** F1: Turn back to the previous page.  
F2: Front/Rear.  
F3: Toe/Castor.  
F4: Confirmation.  
F5: Zoom.



## 5 Database Management



**NOTE** *The car and truck Database are managed in the same way and the instructions given below therefore apply to both cases.*

### 5.1 Inputting new models into the database

Select from the Main Menu:  
F2 > MyCars > MyCars > New > Characteristic dates.

To insert the characteristic dates follow the instructions on the display.



### 5.2 Customer database (optional)

#### 5.2.1 Insert new vehicle of customer (plate-only mode)

From the Main Menu select:  
F4 > New plate

To insert the new vehicle, follow the instructions on the display.



#### 5.2.2 Selection of existing vehicle (plate-only mode)

Select from the Main Menu:  
F4 > Select the desired plate



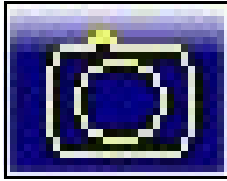
**NOTE** *F1: Turn back to the previous page.  
F2: Up.  
F3: Down.  
F4: Cancel the selected vehicle.  
F5: Research filter  
F8: Confirmation.*



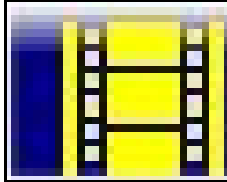
**NOTE** *For every single client can be associated different vehicles using their different plates.*



### 5.3 Image Bank Database (optional)



Images concerning the selected vehicle.



Animations concerning the selected vehicle.



After Mode selection, press F6 for entering in the figure database.



**NOTE** F1: Turn back to the previous page.  
 F6: Access to the images concerning the selected vehicle.



**6 Equipment Setup**  
From the Main Menu select:  
F7 >System functions > Preference.

Select the desired voice for modifying the equipment-input.

**Report - Personalize headline**  
To insert the specific firmname.

**Report - Courtesy-message**  
To insert courtesy-message or any other kind of publicity .

**Customers Database Mode**  
To install the Customers-Database-Visualization-Mode.

**Sound Activation**  
Activates/disactivates sound.

**Preinspection Activation**  
Activates/disactivates preinspection page.

**Language Selection**  
To select the language.

**Printer Selection**  
To select the printer.

**Activation of automatic system extinction**  
Activates/disactivates automatic extinction of the system.



## APPENDIX

### A: Technical Data

Technical Data	
Power Source	200-240V50-60Hz
Power Requirement	max 500W
Wheel diameter	Cars 10"-30"
Measuring Accuracy	0.03° / 0.2 mm
Measuring Range	No contact
Total Toe	±20°
Single Toe	±10°
Camber	±15°
Castor	±30°
Lock angle	±30°
Computer The specifications of the PC may vary depending on the availability on the market.	Core Intel IM5 or higher 8 GB Ram or higher 120 giga free USB 2.0 o higher Ethernet Port - Windows 7
Monitor	HDMI 22" or higher
Interface external	USB
Database	have a look on the specifications of the database on <a href="http://www.fasep.it">www.fasep.it</a>
Languages	have a look on the languages proposed on <a href="http://www.fasep.it">www.fasep.it</a>
Turntable Capacity	Vehicles heavy duty: 1000 Kg.

### B: Environmental Data and Safety Requirements

#### Enviromental Data

##### [Operating conditions]

This unit is designed for indoor use only.

Temperature: 0 to 45 °C

Humidity: 5 to 80 % at 40°C

##### [Storage conditions]

Package is designed for indoor storage only.

Temperature: -25 to 70°C

Humidity: 5 to 95% at 40°C

#### Safety Features

1. A Safety Wheelguard with electrical interlocking (may be optional in some countries) is provided for user's safety at the time the wheel is spinned. The installation of the Safety Wheelguard is mandatory in the European Countries. This Safety Wheelguard is part of the standard equipment of the wheel balancer in such countries. Drive of the machine may start with closed Safety Wheelguard only. If open, the wheelguard interrupts the circuits to the drive motor and prevents automatic starting, even if a defect occurs. Make sure Safety Wheelguard is correctly installed before operating the unit.
2. The Balance Weights Holder may be removed for servicing. It is secured to the machine body through screws so that only voluntarily it may be removed. Removal of this protection is therefore restricted to Authorized Service Engineers.
3. The Control Panel may be removed for servicing. It is secured to the machine body through screws so that only voluntarily it may be removed. Removal of this protection is therefore restricted to Authorized Service Engineers.



#### CAUTION

*Service to any parts by unauthorized engineers will void warranty and will void any right of the owner of the unit.*

#### General Safety Requirement

##### [before using/servicing this unit]

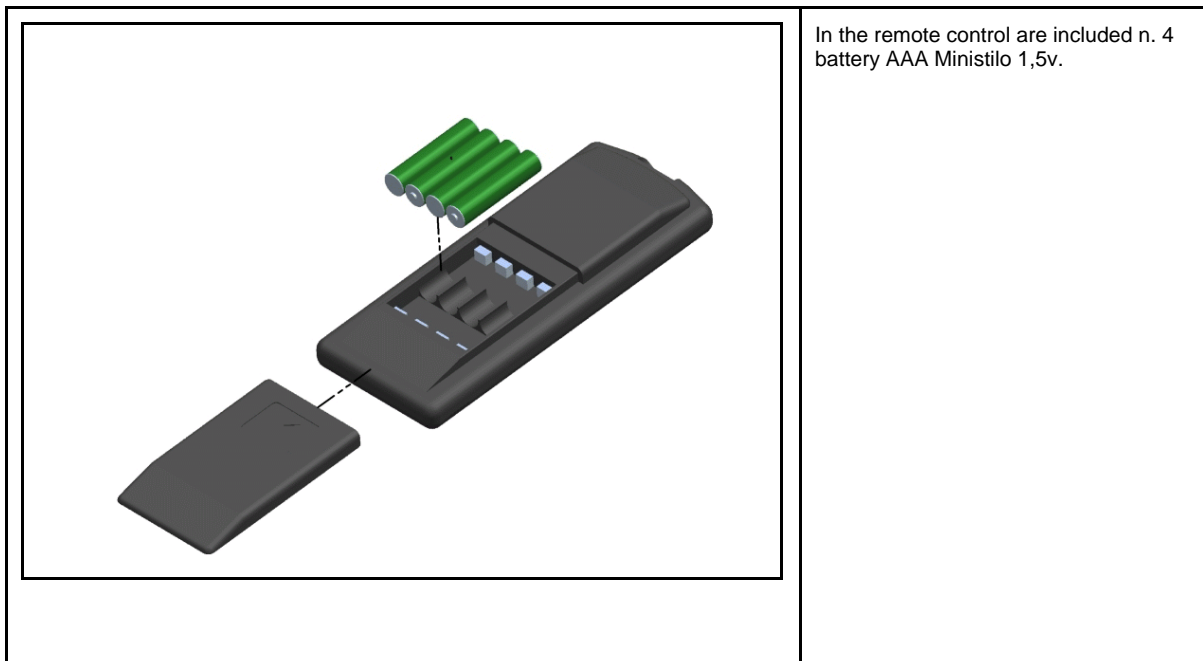
1. Read this instruction sheet and the whole user's manual before operating or servicing the wheel balancer.
2. Make sure electrical power source conforms to requirements shown on nameplate (see also model identification chart for reference).
3. Make sure the unit has a stable position.
4. Protect power wiring leading to the unit from damage.
5. When work area is being washed, make sure unit is adequately protected.


##### [when servicing the unit]

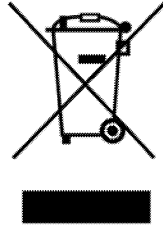
6. Make sure power sources are disconnected before service on the unit is performed.
7. Service to PCB, electrical and mechanical parts should be done only by an Authorized Fasep Service Center.

**C: How to remove the battery from the product safely.**

To remove the battery please follow the instructions on the following image



	<p><b>Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)</b></p> <p>This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.</p> <p>In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.</p> <p>Hand the battery over to the applicable collection point for the recycling of waste batteries.</p> <p>For more detailed information about recycling of this product or battery, please contact your local Civic Office or your household waste disposal service.</p>
---	--



### Informazione agli utenti

**ai sensi dell'art. 13 del Decreto legislativo 25 Luglio 2005, n. 151 "Attuazione delle Direttive 2002/95/CE, 2002/96/CE e 2003/108/CE, relative alla riduzione dell'uso di sostanze pericolose nelle apparecchiature elettriche ed elettroniche, nonché allo smaltimento dei rifiuti"**

Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti.

La raccolta differenziata della presente apparecchiatura giunta a fine vita è organizzata e gestita dal produttore. L'utente che vorrà disfarsi della presente apparecchiatura dovrà quindi contattare il produttore e seguire il sistema che questo ha adottato per consentire la raccolta separata dell'apparecchiatura giunta a fine vita.

L'adeguata raccolta differenziata per l'avvio successivo dell'apparecchiatura dismessa al riciclaggio, al trattamento e allo smaltimento ambientalmente compatibile contribuisce ad evitare possibili effetti negativi sull'ambiente e sulla salute e favorisce il reimpiego e/o riciclo dei materiali di cui è composta l'apparecchiatura.

Lo smaltimento abusivo del prodotto da parte del detentore comporta l'applicazione delle sanzioni amministrative previste dalla normativa vigente.

#### English

#### **Disposal of Waste Electrical & Electronic Equipment (Applicable in the European Union only)**

The symbol (crossed out wheeled-bin) on your product indicates that the product shall not be mixed or disposed with your household waste, at their end of use.

This product shall be handed over to your local community waste collection point for the recycling of the product.

For more information, please contact your Government Waste-Disposal department in your country. Inappropriate waste handling could possibly have a negative effect on the environment and human health due to potential hazardous substances. With your cooperation in the correct disposal of this product, you contribute to reuse, recycle and recover the product and our environment will be protected.

For further information please contact your dealer or distributor in your country. This product shall not be mixed or disposed with commercial waste.

#### Francais

#### **Traitement des appareils électriques et électroniques en fin de vie (Applicable dans les pays de l'Union Européenne seulement)**

Ce symbole (poubelle interdite) apposé sur le produit indique qu'en fin de vie ce produit ne doit pas être traité avec les déchets ménagers.

Il doit être remis à un point de collecte approprié pour le recyclage des appareils électriques et électroniques.

Pour de plus amples informations, veuillez contacter le service de collecte des déchets ménagers local. Ce produit contient des substances potentiellement dangereuses qui peuvent avoir des effets néfastes sur l'environnement et la santé humaine. En veillant à la mise au rebut correcte de ce produit, vous contribuerez à assurer le traitement, la récupération et le recyclage de ce produit et à protéger l'environnement.

Pour de plus amples informations veuillez contacter votre revendeur ou distributeur local. Ce produit ne doit pas être traité avec les déchets d'entreprises.

#### Espanol

#### **Disposicion sobre Residuos de aparatos eléctricos y electronicos (Aplicable solo a la Union Europea)**

Los productos identificados con este simbolo (papelera tachada) no deben eliminarse como residuos domésticos una vez finalizada su vida útil.

Este producto debe entregarse a un punto de recogida de la comunidad local para su recuperacion y reciclado.

Para mayor informacion, sirvase ponerse en contacto con el Departamento de Disposicion de Desechos de su Ayuntamiento. El manejo inadecuado de los residuos supone riesgos para la salud humana o el medio ambiente. Con la reutilizacion, el reciclado de los materiales u otras formas de valorizacion de tales productos usted contribuye de manera importante a la proteccion de nuestro medio ambiente.

Para mayor informacion sirvase ponerse en contacto con el concesionario o distribuidor de su pais. Este producto no deber mezclarse ni desecharse junto con los residuos comerciales.

#### Deutsch

#### **Entsorgung von elektrischen & elektronischen Produkten (Anzuwenden nur in den Ländern der Europäischen Union)**

Dieses Symbol (ausgekreuzte Mülltonne) auf dem Produkt bezeichnet, dass Altgeräte usw. nicht wie normaler Haushaltsabfall in den Müll gegeben werden dürfen, sondern zum Recycling an einer hierfür vorgesehenen Annahmestelle abzugeben ist.

Für nähere Informationen wenden Sie sich bitte an die für Müllentsorgung zuständigen örtlichen Behörden. Bei unsachgemäßer Entsorgung besteht das Risiko nachteiliger Auswirkungen auf Umwelt und Gesundheit durch potentiell gefährliche Substanzen. Durch Ihre Kooperation zur ordnungsgemäßen Entsorgung fördern Sie die Wiederverwendung, das Recycling und die Rückgewinnung von Stoffen und tragen zum Umweltschutz bei.

Für nähere Informationen wenden Sie sich bitte an Ihren Händler oder den zuständigen Vertrieb. Das Produkt darf nicht in den normalen Gewerbemüll gegeben werden.