



HELIOS



USER HANDBOOK

Translation of the Original Instructions



SAFETY INSTRUCTIONS

The producer has reasonably considered every precaution possible, so to assure user's safety. Anyway, in installing and using the grinder, various conditions may create uncontrollable and unpredictable events; so, it's always necessary to evaluate any risks and consider what follows:

- Before connecting the grinder, it's necessary to verify that plate data match with electric net ones.
- Both installation and repair must respect safety instructions and the inforce rules of the country in which the grinder is installed.
- The grounding wire is necessary, like the installation. Both must respect the inforce rules of the country in which the grinder is installed.
- Adaptors, multiple outlets and extension cables are not suggested.
- Do not use this grinder if it is damaged on the cable. In case of malfunctioning, switch off the grinder and take it to the closest authorised service center.
- Do not immerse the grinder, the cable or the plug into water or other liquids. It's necessary to avoid that internal parts enter in contact with other liquids.
- Do not use any water jets, unsuitable detergents or steam-cleaners to clean.
- During its use, install the grinder on a flat and stable surface being able to sustain the weight of the grinder.
- The grinder is intended to be used only to grind roasted coffee beans. A different use is considered unsuitable and dangerous. The producer cannot be considered responsible for possible damages related to misuse or erroneous and unreasonable actions.
- The grinder cannot be used in extreme enviromental conditions. In any case, use the grinder just between $-5^{\circ}\text{C} \div +30^{\circ}\text{C}$ degrees.
- This grinder has been conceived for commercial use, like restaurant kitchen, cantines, hospitals and shops, like bakeries and butchers. It is not suitable for continous food production.
- Do not allow children or untrained people to use the grinder.
- The grinder can be used by children being 8 years old or above and by people with reduced physical, sensory or mental capabilities ; by people without adequate experience just when monitored and if these have received user instruction on the grinder. Cleaning cannot be performed by unmonitored children.

IMPORTANT WARNINGS

- Do not pull the cable or the grinder itself to disconnect its power cable.
- Do not use the grinder with wet or damp hands.
- Do not use the grinder when you are barefoot.
- Before cleaning or servicing, unplug the grinder from the electric net.
- Do not leave the grinder switched on when not necessary. When it is not working, unplug the grinder.
- Do not obstruct the fan or heat elimination systems. Do not enter any water or liquids.



- While the grinder is working, do not enter spoons, forks or other utensils in the spout or the coffee container to perform anything.
- To solve any blockage in the spout, always switch off the grinder before.
- In case of failure of the motor, switch off the grinder and contact an authorised service center.
- Prevent the grinder to be used under any weather conditions (sun, rain, ecc.).
- Children must be monitored to prevent they play with the grinder.
- The owner is responsible for monitoring the installation of the grinder, so to assure it has been installed in enviromental conditions that will not create a safety or health danger for the users.
- If you decide not to use anymore this grinder, we suggest to make it inoperative. After having it unplugged, cut the cable. In case of failure, switch it off and do not tamper with.

CONSERVATION OF THE MANUAL

This manual must always be at any user disposal. The user must be informed on the correct use of the grinder and on potential risks. It must be conserved in a dry, clean and heat-protected place. Use the manual so to avoid any damage to itself. Do not remove, rip or write on any manual parts. In case you cannot find the manual, take contact with the re-seller or the producer for further information.

UNPACKING THE GRINDER

- It's necessary to check out that there is not any damage on the grinder, looking at the external packacing
- After having removed the packing, check out there are no damages on the grinder.
- Check out the entirety of all components. In case of defects or damages, inform immediately the authorised reseller.
- The packing (box, cellophane, metallic parts, styrofoam, etc.) can cut, wound or be dangerous if mismanaged. Prevent children or non-responsible people entering in contact with the packing.
- This symbol on the grinder or on the packing informs that the grinder cannot be

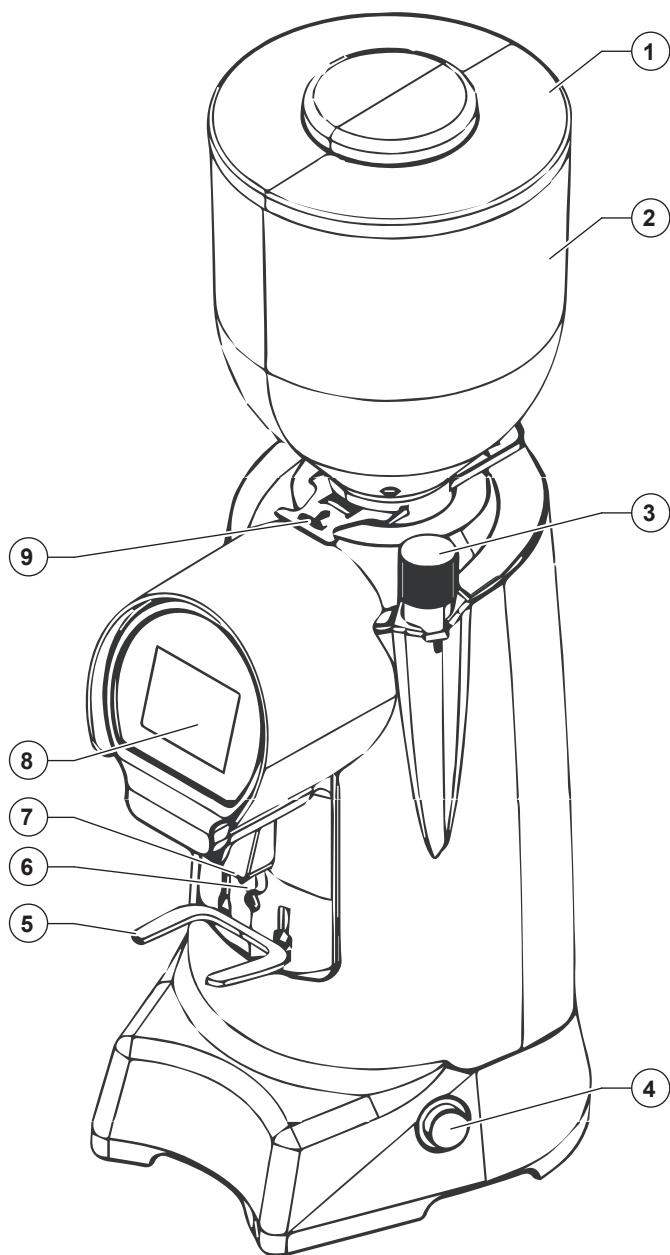


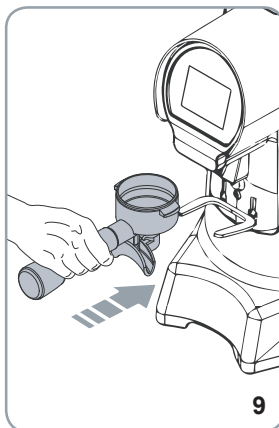
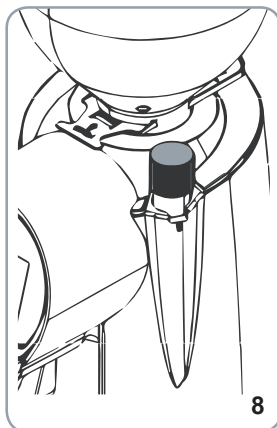
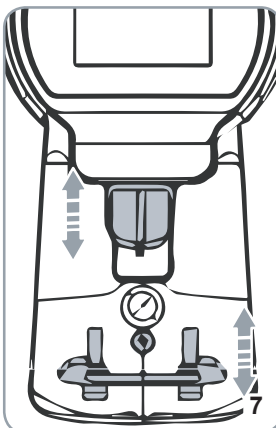
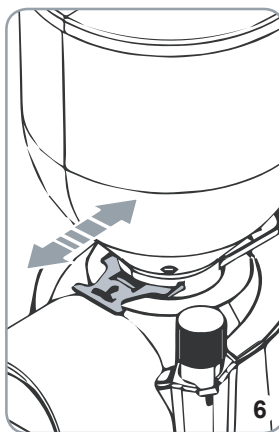
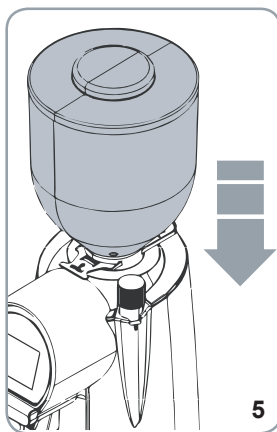
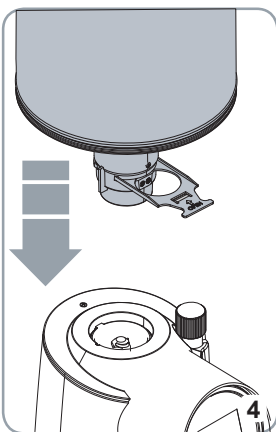
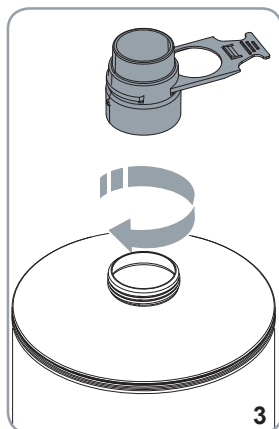
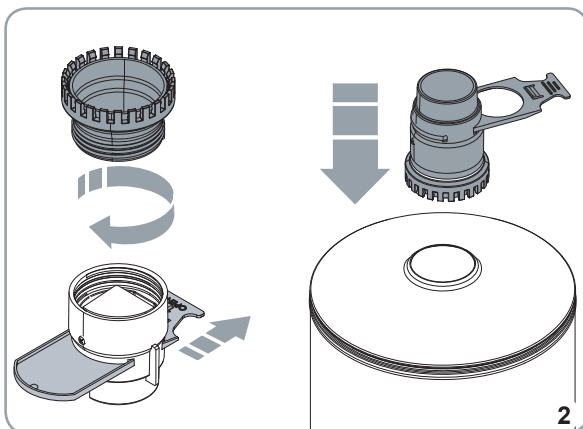
considered like a usual home waste ; it must be delivered to a suitable waste collection facility that recycle electric and electronic devices. If this grinder is correctly disposed of, you will prevent potential damages to both environment and health; these damages may occur in case the grinder is not correctly disposed of. Waste recycling protects natural

sources. For further information on the recycling of this product, you can contact your local authority, local recycling center or the reseller you purchased the grinder from.

IMPORTANCE OF THE MANUAL

This manual is addressed to the user of the grinder and it is considered part of this product. It shares information on its correct use and maintenance, including information on user's safety. This manual must be held during all the grinder's lifespan and must be transmitted to any user or future owner. All information in this manual do not replace safety rules and technical data on the installation and functioning of the grinder and its packing. This manual reflects the nowadays state of the art and it cannot be considered inadequate just because revised on the base of new technologies. The producer may modify the manual without revising previous editions, except in special cases. A misuse of the grinder, or a different use than the one described on the manual, will invalidate any warranty or responsibility of the producer. The grinder can be used just by a responsible adult. It's necessary to preserve the manual, as the producer cannot be held responsible for any damage on people or things, or any damage on the grinder in case it is misused or in case safety and maintenance rules are not respected.







DICHIARAZIONE DI CONFORMITA' CE

EC DECLARATION OF CONFORMITY



CONTI VALERIO S.r.l.

Via Luigi Longo, 39/41 – 50019 Sesto Fiorentino (FI) - ITALY

Dichiariamo sotto la nostra responsabilità, che il prodotto

Declare under our responsibility, that the product:

MACINADOSATORE PER CAFFE' MODELLI:

COFFEE GRINDER MODELS:

HELIOS 65 – HELIOS 80

VERSIONE /VERSION : 220-240V/50-60Hz; 220V/60Hz

EQUIPAGGIATE CON DOSATORE ELETTRONICO

MATRICOLA DAL / SERIAL Nr. FROM : XX XXX 19 45 XXXX

Al quale si riferisce questa dichiarazione, è costruito in conformità alle direttive:

To which this declaration relates, following the provisions of the directives:

Low Voltage Directive (LVD) 2014/35/EU - RED Directive 2014/53/EU - EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU - MD Directive 2006/42/EC - WEEE

Directive 2012/19/EU

Ed è conforme alle normative:

following the provisions of the regulation:

UNI EN 12100/1-2; UNI EN ISO 13857; CEI EN 55014-1/2; CEI EN 61000-3-2/3;

CEI EN 60335-1; CEI EN 60335-2-64; CEI EN 62233; EN 60704-1:1994;

autorizziamo la seguente persona a costituire il fascicolo tecnico:

we authorize the following person to compile the technical file:

Sig. Filippo Conti – Via Luigi Longo, 39/41 – 50019 Sesto Fiorentino (FI) - ITALY

Date : Luglio 2020

The legal representative:

Filippo Conti



1 GENERAL INFORMATION

MANUFACTURER:
CONTI VALERIO - Via Luigi Longo 39/41 - 50019 Sesto Fiorentino (FI) - ITALY

MODEL:
HELIOS 65 - HELIOS 80

2 TECHNICAL DATA

DESCRIPTION	MODEL							
	HELIOS 65			HELIOS 75		HELIOS 80		
Volts (V)	220/240	220	110/120	220/240	220	220/240	220	110/120
Frequency (Hz)	50	60	/	50	60	50	60	/
Current (A)	/	/	4.2	/	/	/	/	8.3
Power consumption (W)	280	460	/	340	340	340	340	/
RPM	1370	1500	1700	1350	1650	1350	1650	1670
Production rate (g/s)	3,5 - 5,0			4,5 - 5,0		6,5 - 8,0		
Empty weight (kg)	12,0			15,2		15,2		
Hopper capacity (Kg)	1,2							
Height (mm)	600							
Width (mm)	220							
Depth (mm)	250							

(*)The value given is for the actual revolutions of the burrs.

HELIOS 65	HELIOS 75 - HELIOS 80
• Ton: 30 s	• Ton: 30 s
• Toff: 270 s	• Toff: 160 s

3 GRINDER DESCRIPTION

- | | |
|------------------------|---|
| 1. Lid hopper | 6. Micro-switch |
| 2. Coffee beans hopper | 7. Coffee outlet |
| 3. Regulation knob | 8. Touch-screen display |
| 4. Power button | 9. Opening/closing tab for coffee beans |
| 5. Filter-holder fork | |

4 SETTING AND USE

4.1 PREPARATORY OPERATIONS

It is necessary to set up the grinder before working with it, considering the kind of coffee (more or less roasted) and the grinding type.

- In case you are using metal cans, install the adapter in the joint slot (**Fig.2**) or use the adapter via the screw (**Fig.3**). Then, install the hopper in the right spot (**Fig.4**).
- In case of coffee-beans hoppers (**2**), install it in the right spot (**Fig. 5**).
- Take off the lids (**1**) from the hopper (**2**) and fill it up with coffee beans.
- Install back the lid (**1**) and push the tab (**9**) so to let the coffee beans pass trough.



ATTENTION

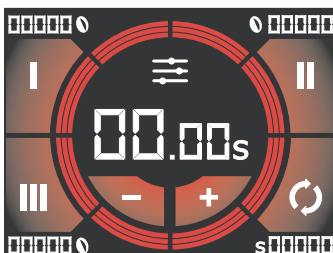
When you take off the coffee beans hopper (**2**) while the grinder is on, the display is switching off and so does the grinder. When you install back the hopper, the display turns on, and so does the grinder.

4.2 SWITCHING ON THE GRINDER

Press the button (**4**) to switch on the grinder (the led button is switching on).

At first, the grinder is set in the mode originally set by the company. Then, it will always keep the same mode previously set before switching off.

When you switch it on, the operation screen will appear on the display.



4.3 GRINDING REGULATION

To set the grinding, use the regulation knob (**3**), turning it clockwise to grind finer or counterclockwise to grind it coarser (like displayed on the knob). There is no block; grinding regulation must be gradually performed, grinding a little bit of coffee each 2 steps maximum.



ATTENTION

If the knob is turned a full round when the motor is not working, the grinder can stop

4.4 DISPENSING SYSTEM REGULATION

Considering the filter holder and the type of coffee, set the dispensing chute (7) in height and grade so to have a correct coffee outlet.

4.5 REGULATE THE FILTER HOLDER FORK

- The fork is suitable to all filter holders in the market.
- With a crosshead screwdriver, loosen the fixing screw of the filter holder fork (5).
- Raise or lower the fork depending on the filter holder size.
- Once you find the right position, tighten the fixing screw of the fork (5).

4.6 FUNCTIONING

Select the dose to be dispensed through the buttons (B), (L) or (C). Lay the filter holder on the fork (5), so to have it right under the chute (7) (Fig. 7) and push it forward so to press the micro-switch (6).

Dispensing stops when the set time is over and the grinding time returns to the original pre-set time and the grinder is ready to work again. If the continuous mode is on (H) the dispensing lasts the same time you keep the microswitch pressed (6).

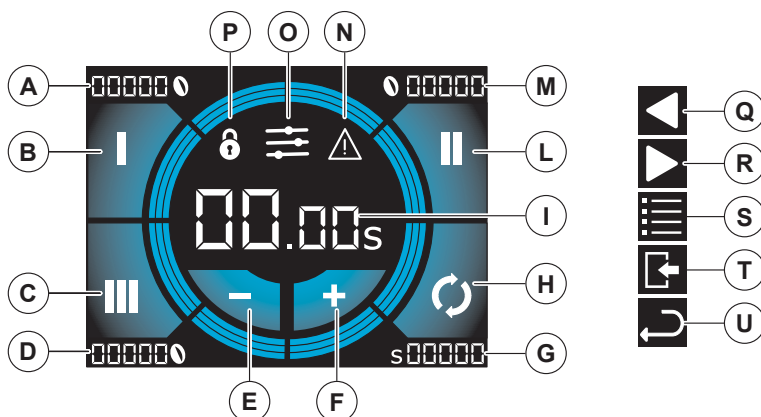
When you release the button (6), continuous mode stops and the grinder sets back the automatic dose selection



ATTENTION

It's possible to stop the automatic dispensing before the grinding time is over. During dispensing, use the filter holder to press the microswitch so to stop dispensing (5):

- Press again the microswitch (6) to restore the dispensing for the remaining time;
- Press any dose button to stop dispensing. The grinding time comes back to the one previously set.



5 PROGRAMMING THE GRINDER

- | | |
|--|------------------------------------|
| A. Partial 1 dose counter | M. Partial 2 dose counter |
| B. Select dose 1 | N. Alarm on |
| C. Select dose 3 | O. Menu access |
| D. Partial 3 dose counter | P. Locked programming |
| E. Decreasing key | Q. Previous page |
| F. Increasing key | R. Next page |
| G. Counter partial dose | S. Access to technical menu |
| H. Select continuous dose | T. Exit menu |
| I. Displaying time of the selected dose | U. Back |
| L. Select dose 2 | |

5.1 DOSE REGULATION

- Press a button **(B)**, **(L)** or **(C)** to select a dose to set.
- Press buttons **(E)** or **(F)** to decrease or increase the dispensing time of the selected dose up to 5 hundredths of second. If pressed longer, time is increased or decreased depending on the presson of the button.

5.1.1 LOCKING DOSES REGULATION

Press longer the buttons **(E)+(F)** to lock the time regulation of dose dispensing. On the screen, you will see **(P)**.

Press again longer buttons **(E)+(F)** to unlock.

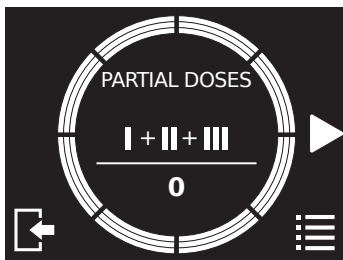


5.2 MAIN MENU

To access the main menu, press **(O)** on the home screen.

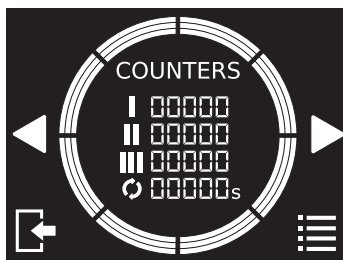
5.2.1 SUM OF PARTIAL COUNTERS

This screen displays the sum of the partial doses (resettable) dispensed. The sum considers each dose 2 to be twice dose 1 and each dose 3 to be three times dose 1. For example, if 5 x dose 1, 5 x dose 2 and 5 x dose 3 have been dispensed, the sum will be 30.



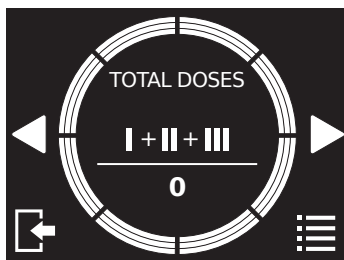
5.2.2 COUNTERS

The screen displays the overall counters (not resettable) for each dispensed dose.



5.2.3 SUM OF ABSOLUTE COUNTERS

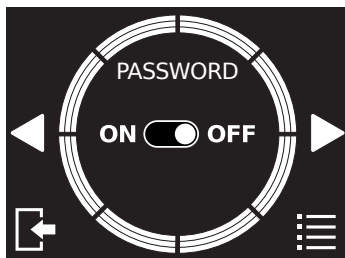
This screen displays the sum of the total doses (not resettable) dispensed. The sum considers each dose 2 to be twice dose 1 and each dose 3 to be three times dose 1. For example, if 5 x dose 1, 5 x dose 2 and 5 x dose 3 have been dispensed, the sum will be 30.



5.2.4 PASSWORD

This screen displays to set the password of the grinder. When on, the password is mandatory to access the technical menu, to lock/unlock dose regulation and disable the password.

- ON: password on.
- OFF: password off.



To set the password, it's necessary press **ON** and insert a 4-numbers code. After having pressed **CONFIRM**, you need to type it again and press **SAVE**.

NEW PASSWORD

0 0 0 0

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨ ⑩

←

CONFIRM

CONFIRM PASSWORD

0 0 0 0

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨ ⑩

←

SAVE

To change the password, press **SETTING**. It is necessary to digit before the password previously set. After having pressed **NEXT**, it will be possible to digit and confirm the new password.

CURRENT PASSWORD

0 0 0 0

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨ ⑩

←

FORWARD

NEW PASSWORD

1 1 1 1

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨ ⑩

←

CONFIRM

CONFIRM PASSWORD

1 1 1 1

① ② ③ ④ ⑤

⑥ ⑦ ⑧ ⑨ ⑩

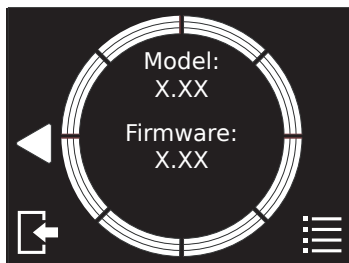
←

SAVE



5.2.5 GRINDER INFORMATION

This screen displays information of the model and the firmware of the grinder. These are mandatory for any technical assistance.

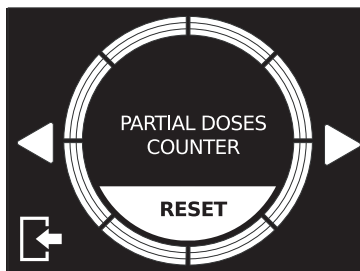


6 TECHNICAL MENU

To access the technical menu, press  on the screen of the main menu.

6.2.1 RESET PARTIAL COUNTERS

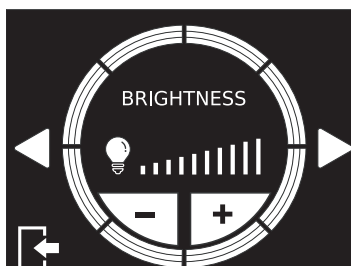
This screen allows to reset partial counters for each dispensed dose, as displayed on the home screen. Press longer **RESET** to reset the counters.



6.2.2 DISPLAY BRIGHTNESS

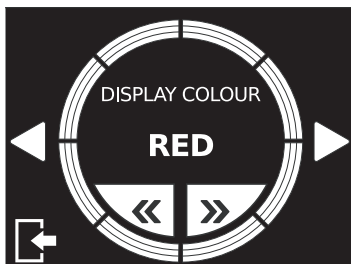
This screen allows to set the brightness of the display from 0 to 10, using

buttons 



6.2.3 DISPLAY COLOUR

This screen allows to set the color of the display, using buttons



6.2.4 SELECTION DOSE MODE

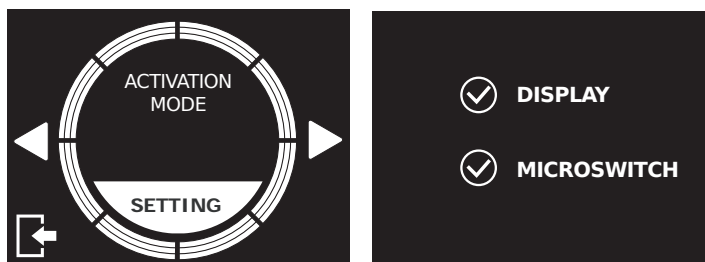
This screen allows to set the selection dose mode

- ON: you must select the dose for each dispensing.
- OFF: you keep selected the last dispensed dose.



6.2.5 GRINDING ACTIVATION MODE

This screen allows to set the grinding activation mode.

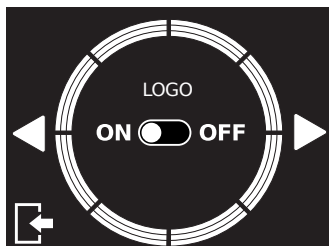


After pressing **SETTING** button, it's possible to choose whether triggering grinding pressing the dose button on the display (**B,L,C,H**) or trough the grinding activation button (**6**). It's also possible to select both modes.

6.2.6 LOGO

On this screen it is possible to set the logo display. When enabled, the logo will be displayed when the machine is switched on and, if active, during standby.

- ON: logo visible.
- OFF: logo not visible.



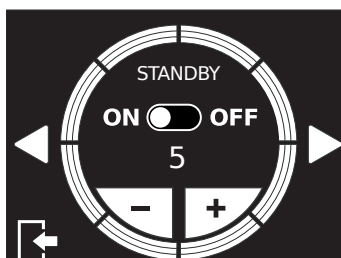
6.2.7 STANDBY

On this screen it is possible to set standby mode.

The number of minutes of inactivity before the machine enters standby mode can be set using the keys.

- ON: standby enabled.
- OFF: standby disabled.

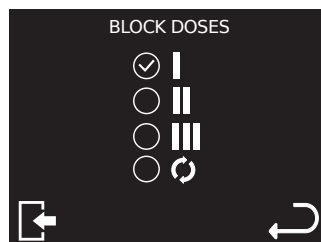
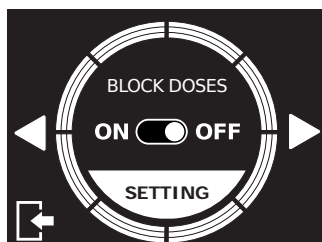
To exit standby mode, press anywhere on the screen.



6.2.8 DOSE LOCK

On this screen it is possible to deactivate the dose keys on the home page. When enabled, press the SET key to select the doses to be deactivated. The deactivated doses will not be visible on the home page.

- ON: dose lock enabled.
- OFF: dose lock disabled.

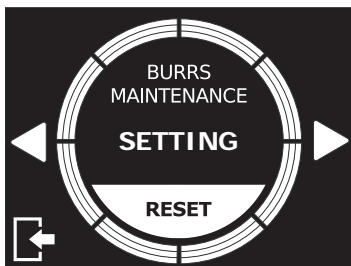


⚠ ATTENTION

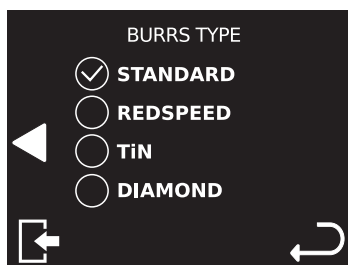
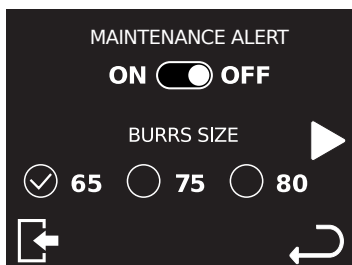
If all the dose keys are locked, dose 1 key will still be active.

6.2.9 BURRS MAINTENANCE

This screen allows to reset the counter of burrs maintenance and enable/disable the burrs maintenance alert. Press longer **RESET** to reset the counter of burrs maintenance (invisible on the display).

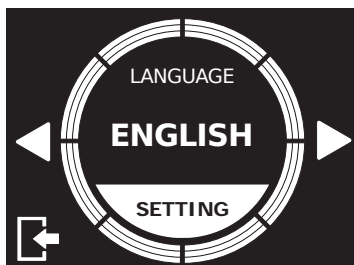


Pressing **SETTING**, you have access to the menu to enable/disable the burrs maintenance alert and you can set both the size and the type of the burrs.



6.2.10 LANGUAGES

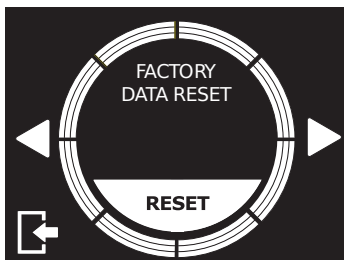
This screen allows to select the language. The current language is displayed on the screen as a preview. Pressing **SETTING** button, it's possible to select the language among those listed.





6.2.11 RESTORING FACTORY SETTINGS

This screen allows to restore the grinder to factory settings. Press longer **RESET** to restore factory settings.



7 CLEANING AND MAINTENANCE



ATTENTION

Unplug the grinder from the electrical net before performing any cleaning and maintenance. Do not pull the feeding cable or the grinder itself to unplug.



ATTENTION

Maintenance must be performed by trained technicians, authorised by the producer.



ATTENTION

Do not perform any approximate maintenance and always use original spare parts.

7.1 CLEANING

Cleaning is fundamental for the correct use of the grinder. A neglected grinder can negatively impact on the coffee dispensing and on the precision of the dose and the grind. Before cleaning, check if the grinder is unplugged.

7.2 HOPPER CLEANING

After having removed the hopper, clean the internal parts of it with water and neutral soap, taking off any oil left by the coffee beans. Rinse and dry it carefully. Perform the same on the cover. Do not use the dish-washer.

7.3 GRINDING SYSTEM CLEANING

After having removed the lid, open the upper burr holder. Then, clean the blades and the other internal parts with a brush or a dry cloth. If necessary, use a vacuum cleaner or an air compressed jet. After having installed back the upper burr holder and the lid, install the hopper. For a complete cleaning, use detergent pills.



ATTENTION

Any cleaning operation must be performed with food use approved products.

7.4 MAINTENANCE

To ensure correct operation of the appliance check and possibly replace the blades every 250 kg of coffee. For burrs maintenance, unplug the grinder from the electric net and remove the coffee beans container. Then, unscrew the screw being on the lid and the screws fixing the upper burr holder. To clean the blades, use a brush or a dry cloth. If necessary, use a vacuum cleaner or air compressed jet.



ATTENTION

Maintenance must be performed only by trained technicians, authorised by the producer.

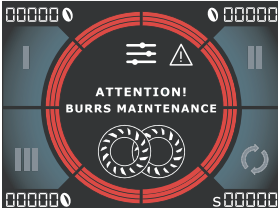



ATTENTION

Do not perform any approximate maintenance and always use original spare parts.

8 TROUBLESHOOTING

If the problem persists, contact trained personnel.

GRINDER CONDITION	CAUSE	POSSIBLE SOLUTION
When starting by means of the key (4), the display does not turns on.	Coffee containers (2) not inserted or not inserted properly.	Check the position of the coffee container (2) and insert it properly.
	<p>Request of burr replacement.</p> <p>The operation of the grinder is not jeopardised, but the outcome could not be optimal. This message is also shown for some seconds every time the grinder is switched on, while the light  remains on even during operation.</p>	<p>Contact a skilled technician for replacement of the burrs.</p> <p>After replacement, reset the counter in the maintenance screen of the burrs and set the size and the type of burrs installed.</p>



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