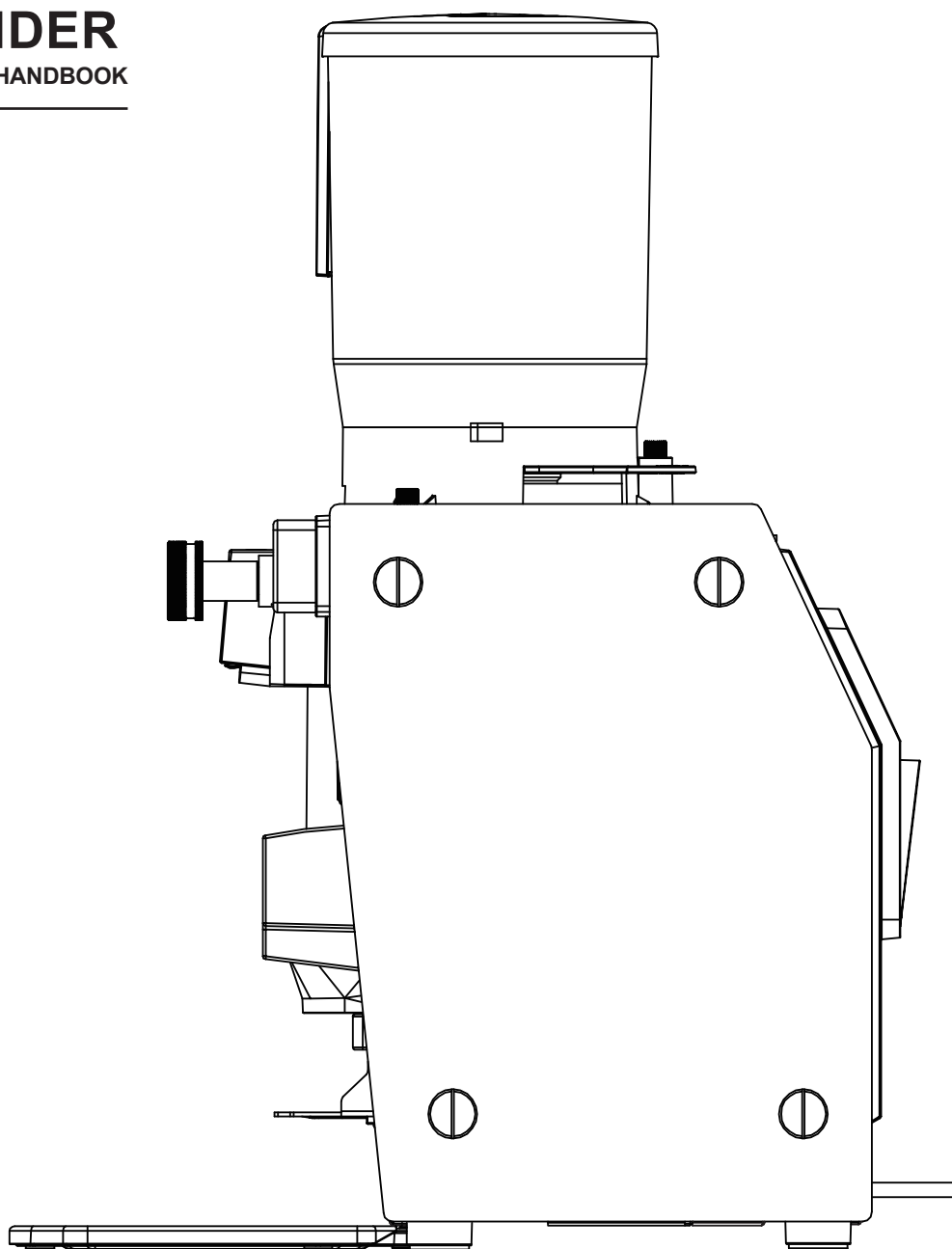


SLINGSHOT SISMA ON DEMAND COFFEE GRINDER

ORIGINAL INSTRUCTION USER HANDBOOK

Models **Sisma S64**
Sisma S75
Sisma C68



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PRECAUTIONS AND SAFETY FEATURES

The packing materials (carton, cellophane, staples, polystyrene, etc..) can cut, wound or create hazards if used improperly or handled carelessly. Store such materials out of reach of children and irresponsible persons.

This symbol on the appliance or package means that the appliance must not be considered as normal household refuse but that it must instead be delivered to an appropriate collection centre for the recycling of electric and electronic appliances.



Read this manual from cover to cover before using the appliance as it contains important instructions for the safety, operation and maintenance of the appliance. Look after this manual and keep it in a safe place.

DISPOSAL OF THE UNIT

At the end of its service life, this product cannot be disposed of in normal domestic waste. The symbol on the product and in the operating instructions point out to this fact. The materials are recyclable according to your marking. With the reuse, recycling or other forms of recycling of old equipment, you make an important contribution to the protection of our environment. Please ask your municipal administration for the disposal point.



The manufacturer reserves the right to make changes to the product and to the manual. The company cannot be held liable for any damage to people or property resulting from failure to respect the instructions concerning safety, installation and maintenance contained in this manual. Before connecting the machine, check that voltage and frequency values of the supply mains correspond to the ratings indicated on the label featuring the grinder's technical data.



IT IS COMPULSORY TO EARTH THE APPLIANCE.

Avoid use of multiple-plug adapters and extension cords or makeshift connections.

The Coffee Grinder must be installed only by authorised, qualified personnel.



THE COFFEE BEANS HOPPER MUST BE PLACED ON THE APPLIANCE AND PROPERLY FIXED WITH THE APPROPRIATE SCREW.

If the thermal breaker to protect the motor is triggered, do not attempt any other manoeuvre. Unplug the machine from the power mains and make sure that any problems have been solved before switching the machine on again.

It is essential to check the state of the supply cable and plug periodically.

IN THE EVENT THE SUPPLY CABLE OR PLUG ARE DAMAGED, CALL IN SKILLED TECHNICAL PERSONNEL TO REPLACE THEM, THIS TO PREVENT ANY RISK.

ELECTRICAL INSTALLATION RULE

Prior to installation, make sure there is a circuit breaker installed with a distance between the contacts that allows for complete disconnection when there is a category III overload and that provides protection against current leakage equal or less than to 30 mA. The circuit breaker must be installed on the power supply in compliance with installation rules.



If the power supply is not working properly, the machine can cause transitory voltage drops. The electrical safety of this machine is only ensured when it is correctly connected to an efficient earthing system in compliance with the electrical safety laws in force. This fundamental safety requirement must be verified. If in doubt, request that a qualified electrician inspect the system. The manufacturer cannot be held responsible for any damage caused by the lack of an earthing system on the electrical supply. It is unadvisable to use adaptors, multiple plugs, and/or extension cords. If their use is indispensable, only use simple or multiple adaptor plugs and extension cords that are in compliance with safety laws. Make sure these devices do not exceed the voltage capacity marked on the simple adaptor and on extension cords, and the maximum voltage marked on the multiple adaptor.

In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

APPLICATION AND USE OF THE GRINDER

This coffee grinder has been designed only for grinding roasted coffee beans. Any other use is understood to be improper, and therefore hazardous.

OPERATING RANGE OF THE MOTOR

Max. permitted operating cycle:

Sisma S64 - 8 seconds on / 15 seconds off

Sisma S75 - 5 seconds on / 15 seconds off

Sisma C68 - 5 seconds on / 15 seconds off

Do not run the grinder continuously for more than 50 minutes.

Wait for 15-20 minutes before starting it again.

The manufacturer cannot be held responsible for any damage as a result of improper or incorrect use.

THIS COFFEE GRINDER HAS BEEN DESIGNED ONLY FOR PROFESSIONAL USE BY TRAINED PERSONNEL AND NOT FOR HOUSEHOLD USE.

The user must be an adult. Do not allow children or incapable persons to use this coffee grinder.

Children should be supervised to ensure that they do not play with the appliance.

The instructions concerning persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge and children playing with the appliance are not applicable.

The grinder is intended to be used for commercial applications, for example in kitchens of restaurants, canteens, hospitals and in commercial enterprises such as bakeries, but not for continuous mass production of ground coffee.

This appliance is to be connected with flexible connections for equipotential bonding and connection to services such as electricity supply, water supply, gas supply and steam supply such that the appliance can be moved in the direction required for cleaning a distance not less than the dimension of the appliance in the direction of movement plus 500 mm without the flexible connections becoming taut or being subject to strain.

WARNING:

Installation, dismantling, and adjustments must be performed by qualified and authorised technicians.

Carefully read the warnings and rules in this manual because they provide important information regarding safe installation, use and maintenance of the machine.

Keep this booklet handy for easy reference.

After removing the machine from its packing materials, make sure that the machine and its safety devices are intact.

If the power supply cord is damaged, it can only be replaced by qualified and authorised technicians.

Packing materials (plastic bags, polystyrene foam, staples, etc.) must be kept out of the reach of children because they are potentially hazardous.

Before plugging in the machine, make sure that the information on the nameplate (voltage, etc.) matches that of the electrical and water systems.

Completely unwind the power supply cable.

The coffee grinder should sit on a flat, stable surface at least 20 mm from walls and from the counter.

Room temperature must range between 10 C and 32 C (50 F and 90 F).

Do not install in rooms (kitchens) that are cleaned with jets of water.

Do not clean the machine with jets of water.

Do not obstruct openings or ventilation and heat vents.

Do not install the machine outdoors.

This machine shouldn't be used against misuse, and care is needed when handling cutting blades during cleaning.

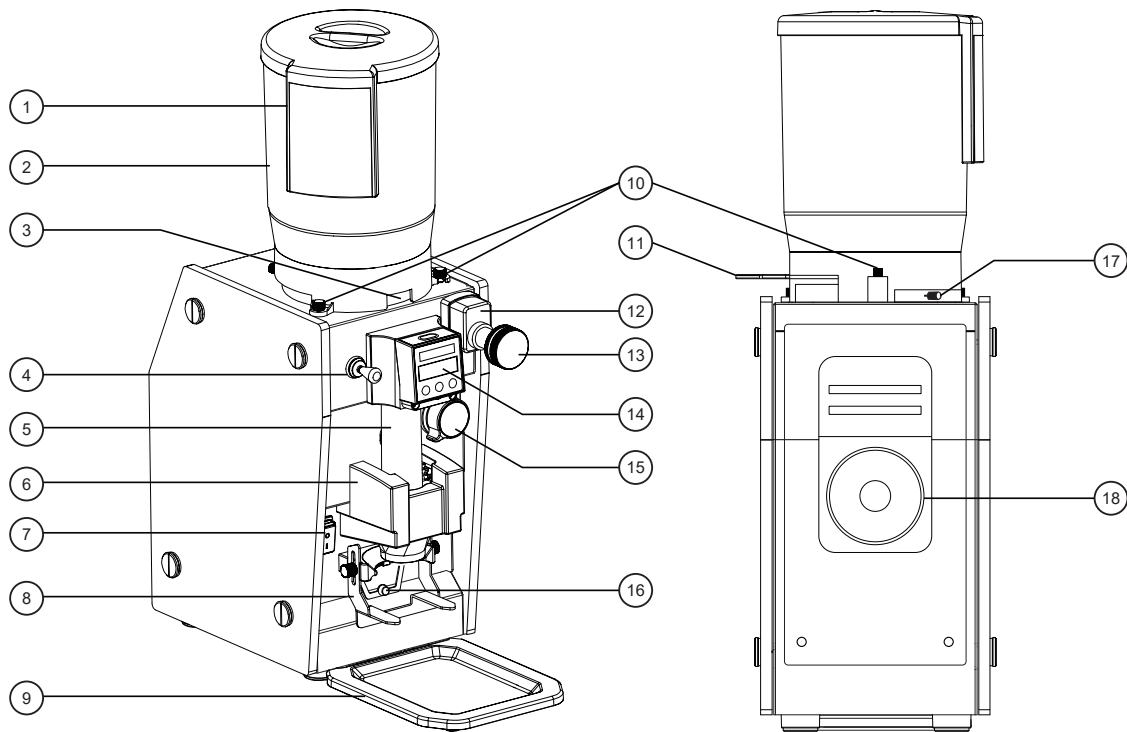
Keep cleaning powder container tightly closed in a dry and well-ventilated place.

Users can refer online manual on Slingshot website (www.slingshot.coffee).



Fig. A

Fig. B



General Description

1. Display Window - Hopper Lid

2. Coffee Bean Hopper

3. Adjustable Scale

4. Joystick

5. Grounds Chute

6. Chute Cover

7. Main Power Switch

8. Portafilter Fork

9. Removable Tray
10. Hopper Lock Screw

11. Hopper Slide

12. Position Counter

13. Grinding Adjustment

14. Digital Display

15. Function Selector

16. Portafilter Switch

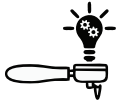
17. Adjustment Scale Knob

18. Extractor Fan

MODEL	Sisma S64	Sisma S75	Sisma C68
Volts (V)	220-240V	220-240V	220-240V
Frequency (Hz)	50-60Hz	50-60Hz	50-60Hz
Power (W)	380-460W	450-570W	450-570W
Revolution per min. (rpm)	1215-1458	1197-1467	450-540
Burrs type/size	Flat 64mm	Flat 75mm	Conical 68mm
Weight (kg)	19.5kg	23.5kg	23.5kg

INITIAL SETUP

Before using the coffee grinder, please clean up the bean hopper and hopper lid with a damp cloth. Make sure the inside parts are completely dry before using.



Note :

- Do not immerse the grinding burr in water or any other liquid.
- This coffee grinder is intended to grind whole coffee beans only.
- The safety lock screw must be tightened to start the grinder.



1. Attach the Coffee Bean Hopper to the grinder and tighten the 3 lock screws.
2. Fill the Coffee Bean Hopper with coffee beans.

The dual coffee bean hopper chamber of the Sisma ensures consistent flow of the coffee beans to the grinder, improving dose accuracy and reducing grinding variations.

3. Place the lid of the hopper onto the bean hopper and open the slide.
4. Ensure the main power switch is off and plug in the power cord.
5. Adjust the height of the portafilter fork to match the portafilter being used (Fig. C).

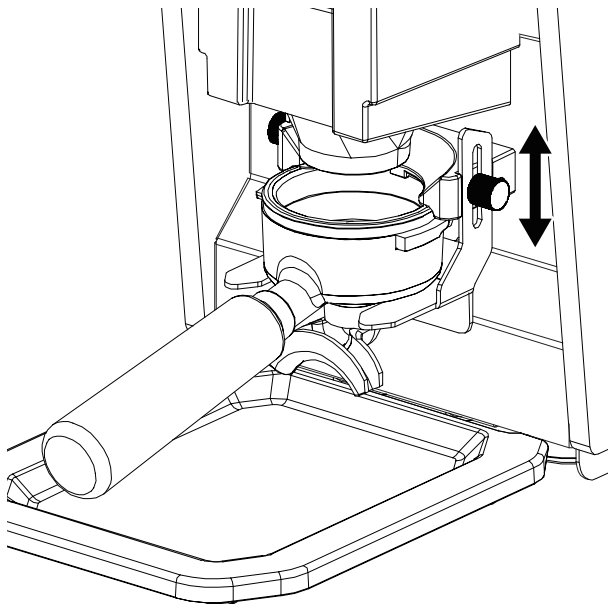
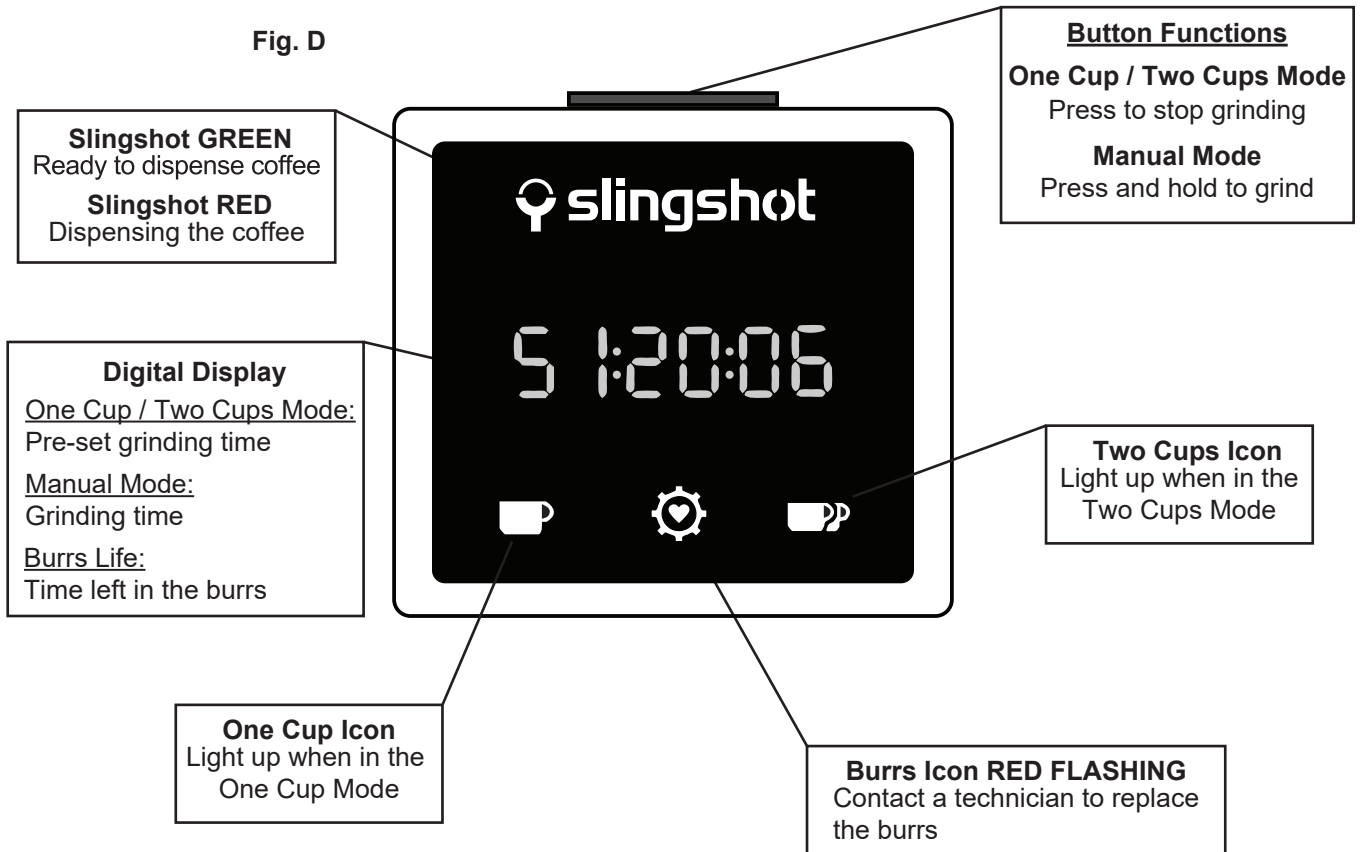


Fig. C

USING THE GRINDER

Before you start using the grinder, It is important to understand the information displayed:
Fig. D shows all the available information displayed, and the functionality of the press button.

Fig. D



The Display will show the following at start:

The One Cup and Two Cups Icons illuminate to indicate the total number of doses dispensed for each mode. Additionally, the Burr Life Icon illuminates and displays the remaining hours before the burrs need to be changed.

Only an authorised technician can reset the Burrs Life icon after replacing the old burrs with new ones.



FUNCTION SELECTOR

Sisma features a Function Selector (Fig. E) that allows the user to set the grinder in three different modes: AUTO MODE, ON DEMAND and CLEAN.

AUTO MODE

The grinder will always grind for the next shot. The ground coffee will be stored in the grounds chute and released before next grinding starts. Use this function during the busy service.

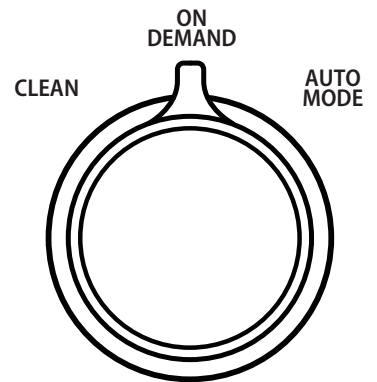
ON DEMAND

The grinder will grind only when you push the portafilter switch. Use this function during slow service or for calibration purposes.

CLEAN

When the function selector (Fig. E) is set on CLEAN, the coffee grinder will not operate, and the grounds chute door will open. Use this function for daily cleaning of the grounds chute.

Fig. E



NOTE: Note: Always set the grinder to ON DEMAND mode before activating CLEAN. If used while in AUTO mode, the grinder may dispense coffee into the tray.



READY TO START

- 1) Fill the hopper with fresh coffee beans above the **minimum level indicator**.
- 2) Open the **Hopper Slide**.
- 3) Position the **Function Selector** to **ON DEMAND**.
- 4) Turn the **ON/OFF switch ON**. Switch will light up indicating Grinder is ready for use.

NOTE: To familiarise yourself with the grinder and to adjust (calibrate) both the ground coffee size (coarser or finer) and dosage, we advise to select the ON DEMAND function.



JOYSTICK CONTROL

The Slingshot Sisma features a joystick (Fig. F) that enables the user to switch between grinding modes and program the grinding time.

One Cup Mode

Push the joystick to the left and the One Cup icon will light up. The pre-set grinding time for one cup will be displayed on the Digital screen.

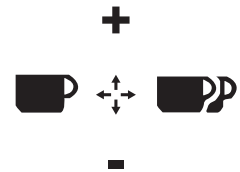
Two Cups Mode

Push the joystick to the right and the Two Cups icon will light up. The pre-set grinding time for two cups will be displayed on the Digital screen.

Setting Grinding Time

In either the One Cup or Two Cups mode, push the joystick up to increase the grinding time by 0.05 seconds, or push down to decrease it by 0.05 seconds.

Fig. F



DISPENSING THE COFFEE IN THE PORTAFILTER

Insert the portafilter straight in between the portafilter fork. (Fig. G)

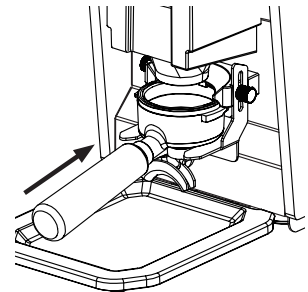
One Cup / Two Cups Mode

Switch between modes by pushing the joystick to the left or right.

To begin grinding, securely place the portafilter onto the fork and start the grinder by pushing the portafilter towards the grinder.

The grinder will automatically stop once the countdown time has elapsed. If you need to stop grinding before the countdown has finished, press the Start / Stop button.

Fig. G



Manual Mode

To start grinding in manual mode, long press the Start / Stop button. The grinding time will be displayed on the screen. Release the Start / Stop button to stop grinding.

ADJUSTING THE GRIND

To adjust grinding fineness, it is necessary to use the knob turning it clockwise for finer grinding or anti-clockwise for a coarser grind.
Each complete turn of the digital position counter will increase/decrease by 10.



ADJUSTABLE GRINDING SCALE

Once the Barista has adjusted the grind for the perfect espresso shot, the main grinding scale is reset to the Absolute Zero. This adjustable point of reference facilitates coffee grinding calibration throughout the day.

To be able to reset the grinding scale unlock the adjustment scale knob and reset the scale to the "0".



RESETTING BURR LIFE

Sisma keeps track of the total grinding time to help the barista monitor when the burrs need to be replaced.

1. Turn the main power switch to the OFF position.
2. Position the selector to CLEAN, then press and hold the Start/Stop button.
3. Press and hold the Start/Stop button and turn on the grinder, the display will show 'HrS ---'. Use the joystick (UP + and DOWN -) to set the hours to the desired amount. The factory default is 60 hours.

RESET ONE CUP / TWO CUPS DOSE COUNTER

This function resets the dose counter for either One Cup or Two Cups mode.
Use it to track new usage — after maintenance, cleaning, or calibration.

THERMAL OVERLOAD PROTECTION

The appliance's motor is protected against overheating resulting from overload by a thermal overload protection which, when tripped, cuts off the power supply to the motor.

Should the protection trip as a result of anomalous operation, such as the grinding burrs jamming, the appliance must be turned off using the on-off switch, **UNPLUGGED FROM THE MAINS, AND SKILLED TECHNICAL PERSONNEL CONTACTED. NEVER PERFORM ANY WORK ON THE APPLIANCE WHILE IT IS ATTACHED TO THE MAINS, TO AVOID THE RISK THAT MOTOR TURNS ON SUDDENLY.**



If the appliance overheats as a result of the motor stopping, allow the appliance to cool down before performing any repair work.

MOTOR SAFETY MICRO SWITCH

There is a system that protects against accidental contact with the rotating parts of the grinder consisting of a micro-switch. Situated under the body of the grinder, the micro-switch will cut electricity to the motor if the coffee hopper is not properly positioned in place.



The push button that controls this device is operated by the back screw that holds the coffee hopper. If the hopper is removed or not properly in place, the micro-switch prevents the grinder from working.

WARNINGS REGARDING SAFETY

This electrical appliance must be used in conformity with the rules in force governing safe operation.

When operating the appliance, beware of the moving mechanical parts' in the area of the grinding burrs and of the ground coffee outlet.

Before removing the hopper from the grinding system, disconnect the power supply.

Avoid removing foreign bodies from the grinding system or hopper without first unplugging the appliance from the mains.

The users is not authorised to remove screws or any parts screwed onto the coffee grinder.

In the event the appliance is not working properly or is faulty, contact skilled technical personnel, and do not attempt to make repairs yourself.

Before performing any work on the appliance, including cleaning and/or maintenance, disconnect it from the power supply by unplugging. Turning off the grinder using its master switch does not assure the same conditions of safety.



The operator must be aware of the sharpness of the grinding burrs and care is needed when handling cutting grinding burrs during cleaning.

Take care, as the grinding blades may continue rotating for a short while even after the appliance is switched off.

When the appliance is not in use, the appliance's power supply must be disconnected using its main switch.

Do not let liquids of any kind come into contact with the internal or external parts of the appliance.

Never put ground coffee in the hopper. Intended only for coffee beans.

The manufacturer cannot be held responsible for bodily injury or damage to property if these regulations are not complied with.

the power supply by unplugging. Turning off the grinder using its master switch does not assure the same

CLEANING THE GRINDER

Important Safety Notice: Before cleaning, it is mandatory to disconnect the appliance from its power source by unplugging it.

When cleaning, only use clean cloths or brushes. Do not use any harsh or abrasive cleaning materials.



CLEANING THE COFFEE BEANS HOPPER

To clean the coffee bean hopper, follow these steps:

1. Remove the hopper from the grinder.
2. Wash the hopper using neutral soap and water.
3. Rinse the hopper thoroughly with lukewarm water.
4. Dry the hopper thoroughly before reassembling.

NOTE: It is recommended to clean the hopper periodically to maintain its hygiene and performance

CLEANING THE GRINDING SYSTEM

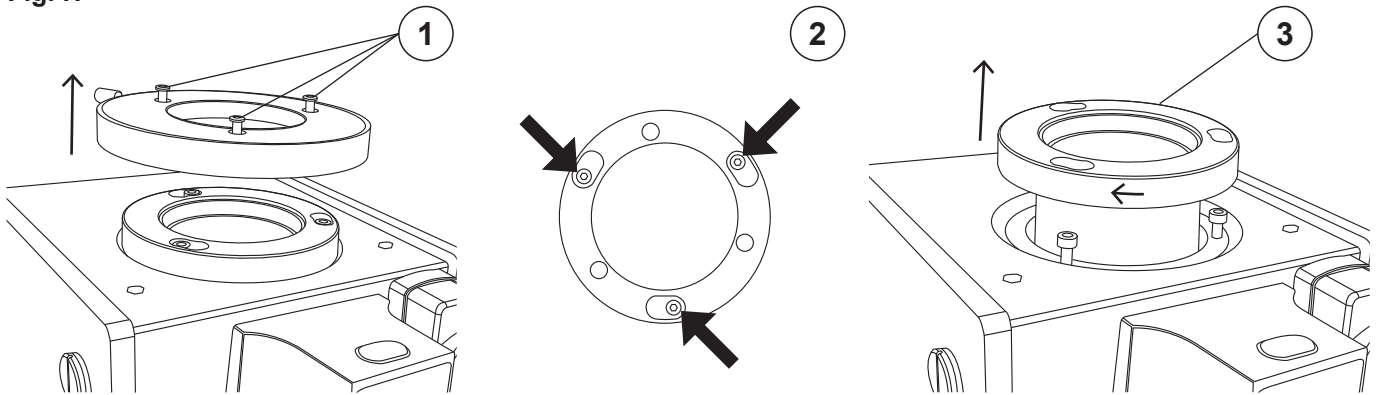
After removing the coffee hopper:

Step 1: Use the provided Allen key to remove the three screws (Fig. H1) that hold the adjustable grinding scale, lift and remove.

Step 2: Slightly loosen the screws that hold the top burr (Fig. H2)

Step 3: Twist and lift the top burr holder (Fig. H3) to remove.

Fig. H



Having removed the upper grinding burr holder, clean the grinding burrs and the entire grinding chamber thoroughly using a **clean brush and cloth**.

When finished the cleaning, reassemble following the steps from 3 to 1.

CLEANING THE GROUNDS CHUTE

Daily Cleaning (End of Service):

1. Set the selector to **CLEAN** mode.
2. The grounds chute door will automatically open.
3. While the chute remains installed, insert the provided brush **from underneath** (where coffee is dispensed).
4. Move the brush **up and down** inside the chute to remove any remaining grounds.
5. Once cleaning is complete, remove the brush and set the selector back to **Manual** or **Auto** mode.
6. The grinder is now ready for normal operation.

Thorough Cleaning (Every 50kg or Weekly):

1. Turn off the grinder using the **main power switch**.
2. Push up on the display to disengage the upper chute assembly (Fig. I).
3. Disengage the **two silicone retaining straps** (flexible bands attached to the grinder at one end and connected to the chute base at the other).
4. Carefully extract the entire grounds chute unit (Fig. J).
5. Unplug the **chute motor connector**.
6. After removing the chute, take off the **chute top cap** to access the **silicon anti-clumping system**.
 - Use the provided brush to clean **inside the chute** (Fig. J).
 - To clean the **anti-clumping part** (made of silicon), **remove it**, rinse it under **warm water**, and **let it dry completely** before reinstalling (Fig. K).
7. Once complete, reassemble the chute, reconnect the motor, and reset the chute into position.

IMPORTANT SAFETY NOTE: Avoid spilling any water or liquid near the chute base area, where two **electric motors** and **connectors** are located.



Fig. I

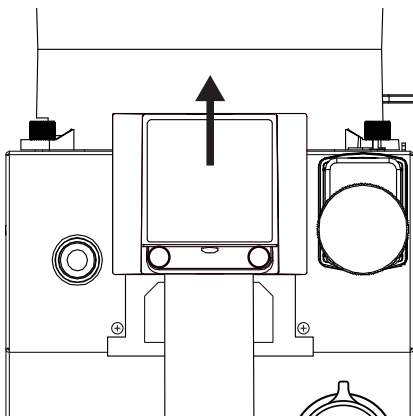


Fig. J

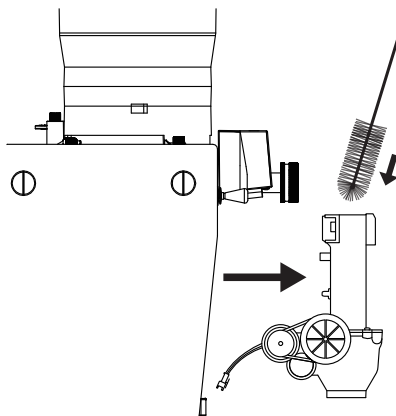
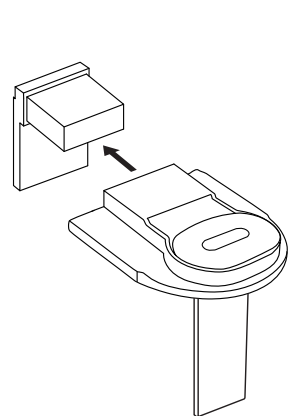


Fig. K



Before requesting the technical assistance of the service centre, carry out the following checks:

PROBLEM	POSSIBLE CAUSE	SOLUTION
Grinder does not start after pressing START STOP button	- Grinder not plugged in properly. - Bean hopper not attached correctly - Grinder has overheated.	- Ensure plug is plugged into power outlet. - Lock bean hopper into position ensuring that Safety Screw is screwed in. - Remove power plug from power outlet. Leave for 20 minutes to cool down before using again.
Digital Display not turning on	- Grinder not switched on - Grinder not plugged in correctly - Hopper Safety Switch screw not screwed in all the way	- Check that machine is correctly plugged in - Ensure that the Coffee Hopper Screw is fastened all the way
Not enough/too much ground coffee in portafilter	- Dosage not correctly set up - Incorrect portafilter basket size	- Adjust the grinding grind size or grinding time - Ensure portafilter basket size is appropriate for your espresso recipe
Adjustment of grind (coarser/ finer) not taking effect	- Grinder still contains coffee with pre-adjusted setting - Adjustment on Position Counter not sufficient enough	Ensure that any previously ground coffee has been purged from the system (usually takes 1 - 2 grind cycles).

NOTE: If it is not possible to solve the problem as suggested, or if problems other than those described above occur, please contact an authorised technical service centre.



SLINGSHOT TECHNOLOGY CORPORATION LTD reserves the right to apply technical changes to the equipment should they become necessary, without advance notice.

In case of loss or damage of this Original Instruction Manual, user can download a PDF copy of the original instruction from www.slingshot.coffee

EC Declaration of Conformity

The manufacturer:
Slingshot Technology Corporation Ltd
7/F Meyer Industrial Building , 2 Chong Yip Street, Kowloon , Hong Kong

declares that the product described is in conformity with the following European Directives: 2006/42/EC
and The EMC Directive:2014/30/EU

For verification of compliance with said directive, the following harmonized standards have been applied:

EN ISO 12100:2010

Product Name: Sisma On Demand Grinder
Product Model: Sisma S64, Sisma S75, Sisma C68
Trade Mark: SLINGSHOT

AUTHORISED PERSON TO COMPILE THE TECHNICAL FILE

Mr. Luca Giorgella
2/19 Rudloc Rd, Morley WA 6062
+61 1300 066 992

We guarantee that we will provide the authorised representative information before we export the machine to
E.U.Responsible for making this declaration is the manufacturer.

A handwritten signature in black ink, appearing to read 'Luca Giorgella', with a stylized, flowing script.

Luca Giorgella
Director R&D



INTERNATIONAL

Slingshot Technology Corporation Ltd
7/F Meyer Industrial Building
2 Chong Yip Street, Kowloon. HK
+852 23438211

AUSTRALIA & NZ

Slingshot Technology Pty Ltd
2/19 Rudloc Rd
Morley WA 6062
+61 1300 066 992