



Tranquilo



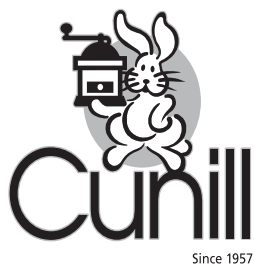
Marfil



Tranquilo-2



Movie-Silencer



Marfil-Inox



Uganda-Silencer



Brasil



Brasil-Inox



User's Manual



37 Specifications Plate



Fabrica de molinos de café

WE HEREBY DECLARE, under our own responsibility and save higher authorized criteria, that the machines detailed below meet the basic safety and health requirements of the EC directive in terms of design, construction and the version commissioned by ourselves.

Machine Denomination: Coffee Grinder

Classic Machine Type: Models TRANQUILO (w/automatic),TRANQUILO-2 (w/handle), BRASIL (w/handle), TAURO (w/handle), FULLMETAL (handle), SPACE (w/handle-automatic), MARFIL (w/handle-automatic), MICHIGAN bags.

Silencer Machine Type: Models UGANDA(w/handle),MOVIE (w/handle-automatic).

Electronic Machine Type: Models SALSA , RUMBA.

Manufacturing Serial Number: Indicated on the specifications plate (see section 37) attached to the machine accompanying this USER's MANUAL.

Directives Applied: EC machines directive 89/392 - 91/368

Specific application Standardised Regulations: EN 292-1 & 2, Machine Safety. EN 60.204-1, Machine Electrical Equipment.

Manufacturer's Signature:

For MOLCUNILL.S.L

Joel Cunill

General Manager

37 Placa de características

You will find the specifications plate attached to the coffee grinder which we enclose to it THIS MANUAL.

The contents are:



MOLCUNILL . S.L		Telf. (972) 168282 - Fax. (972) 853104	
Crt. Sta. Coloma, s/n -Apto -18 -17410 - Mallorquines (Girona) - ESPAÑA			
Modelo / Model:..... []		Modelo / Model:..... []	
230V / 50Hz / /W 110V / 60Hz / /W		230V / 50Hz / /W 110V / 60Hz / /W	
.....A /Rpm	A /Rpm	
T.Máximo:30 Minutos.(Marcha) T.Descanso:10 minutos.(Paro) IP - 21		T.Máximo:30 Minutos.(Marcha) T.Descanso:10 Minutos.(Paro) IP - 21	
CE 89 / 392 / CEE			
Fecha fabricación: 2009 [] 2010 [] 2011 [] 2012 [] 2013 []			

Table of contents

Manufacturer and Product Identification: Pág. 1-2
For your safety: Pág. 3
Description and Technical Specifications: Pág. 3-4-5-6-8
Identification of External Components: Pág. 7-9
Machine Air Noise: Pág. 10
Unpacking: Pág. 10
Electrical wiring: Pág. 12
Before using the Coffee Grinder: Pág. 12
Grinding Coffee Beans: Pág. 13
Obtaining a Measure of Ground Coffee: Pág. 13
Operating of the models MICHIGAN/HAWAI:Pág. 14
Operating of the models TANG/SAL/RUM:Pág. 15
Adjusting Coffee Grinding Level: Pág. 15
Adjusting Ground Coffee Amount: Pág. 16
Maximum Operating Time: Pág. 16
Cleaning: Pág. 17
Maintenance: Pág. 18
Troubleshooting: Pág. 19
Long-Term Storage: Pág. 19
Usage Precautions: Pág. 19
Safety: Págs. 20
Residual Risks: Pág. 21
Specifications Plate: Pág. 22
EC Conformity Declaration: Pág.23

01 CUNILL Coffee Grinders

User's Manual Use, Maintenance and Safety Instructions.

This User's Manual has been written to comply with EC regulations,(EN 2929-2, 5; and Appendix of the Machinery Directive - ECC Oficial Journal).

MOLCUNILL, manufacturer of CUNILL coffee grinders, reserves the right to modify the specifications detailed in this manual without prior notice, with the only intent to upgrade and enhance its products

02 Manufacturer's Identification

Manufacturer: MOLCUNILL, S.L
Brand Name: CUNILL
Country of origin: ESPAÑA
Postal Address:
Carretera de Santa Coloma, s/n
Apartado de Correos nº 18.
17410 SILS - MALLORQUINES (GIRONA)
SPAIN

Tel. (National): 972.168282
Fax (National): 972.853104
Tel. (Intn'l.): 34.72.168282
Fax (Intn'l): 34.72.853104
www.cunill.com - e mail:cunill@cunill.com



MANUFACTURERS OF COFFEE GRINDERS
SINCE 1957



When a number appears in the text in brackets (e.g. (9)), it refers to a part of the grinder which is detailed in section 08 (Identification of external compo-

03 Identification of the Model

The usage and maintenance instructions detailed in this manual are applicable to all CUNILL brand-name coffee grinders which make up our present product range, with the following commercial names:

“CLASSIC”
TRANQUILO, TRANQUILO-2, BRASIL, TAURO, F.METAL, SPACE, MARFIL, MICHIGAN.

“SILENCER”
UGANDA, NOBEL, ETIOPIA, BIMOTOR, MOVIE, HAWAI.

“ELECTRONIC”
RUMBA, SALSA

In their respective versions “w/handle” and “automatic”.

Our ESPECIAL BAR product, which is also part of our production, is simply a motorless ground coffee feed dispenser. Therefore, its usage and maintenance specifications are the same as for our other manufactured products, expect for those referring to the motor.

Our products MICHIGAN, HAWAI-2 depends on specific operating features that are different from the others. These are also described in this manual.

Our series of products called TOP-LINE, EXCLUSIVE, modify ONLY THE OUTER FINISH of the grinders. Usage, service and maintenance instructions ARE THE SAME FOR ALL MODELS.

04 Welcome to the World of CUNILL

We want to thank you for your trust in CUNILL coffee grinders, manufactured by MOLCUNILL. The coffee grinder which you have just bought is manufactured to strict quality control standards, and has been designed applying ergonomical principles, so that you will have no problems whatsoever using it and so that it will provide comfortable and safe operation.

In this manual you will find all the information necessary for installing, using, maintaining and cleaning your coffee grinder. Follow all of these instructions carefully to ensure a long, trouble free life for your coffee grinder.

If any problem arises or you have doubts as to the contents of this manual, please do not hesitate to consult our Technical Service, which from this moment on is at your entire service.

Xavier Cunill
Product Manager



34 Safety Device Preventing Contact with Grinding Teeth

There is a safety guard located in the lower portion of the coffee bean hopper (2) to prevent contact with the grinding teeth.



This device lets the coffee beans drop into the grinder housing, but prevents fingers from getting caught due to the small size of the hole.

36 Residual Risks

IT IS VERY IMPORTANT FOR YOUR SAFETY to make sure before turning the coffee grinder on that the hopper (2) is well-attached to the adjustment platen (4) by means of the lock screws (3). If not, when the coffee grinder is turned on, the grinding teeth start to spin and can be easily touched with the fingers.



35 Protector térmico del motor

A thermal protector prevents overheating of the electric motor coils, cutting off power when the temperature rises above the maximum admissible level due to a malfunction like continued blockage of the motor.

Therefore, UNDER NO CIRCUMSTANCES SHOULD THE COFFEE GRINDER BE TURNED ON WITHOUT THE HOPPER (2) IN PLACE AND SECURED TO THE ADJUSTMENT PLATEN (4) BY MEANS OF THE LOCKSCREWS (3).



3.3 User-Adopted Safety Measures

Although CUNILL coffee grinders are equipped with all the safety devices and measures necessary for completely safe use, in order to prevent possible harm it is very important that the user follow the safety measures indicated below:

- a) Never handle or operate the coffee grinder while barefoot.
- b) Never handle or operate the coffee grinder with wet or damp hands or feet.
- c) Avoid wetting the outer surface of the coffee grinder. If it does get wet during operation, or even when not operating, unplug it immediately and dry it thoroughly.
- d) Avoid the penetration of solid objects in the interior of the coffee grinder. If any solid or liquid accidentally falls into the machine during operation or when stopped, unplug the coffee grinder immediately and have it checked by CUNILL's Technical Service.
- e) In general, never turn on the coffee grinder with any moving parts not correctly in place.
- f) Always put the hopper lid (1) in place (on top of the hopper (2) after filling the hopper with coffee beans and before turning on the coffee grinder.
- g) Never run the coffee grinder without the hopper (2) correctly in place and attached by lockscrews (3).



h) Never run the coffee grinder without the feeder lid (7) correctly in place.

i) In general, coffee grinders should not be run continuously for longer than 30 minutes at a time (check the specifications plate attached to your coffee grinder).

j) While filling the hopper (2), make sure no objects (necktie, scarf, hair, jewellery...) accidentally fall into the hopper or the adjustment platen (4).

k) Always follow the instructions in this manual for all processes involving operation, cleaning and maintenance.

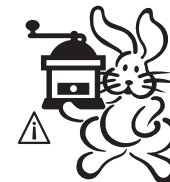
l) To unplug the power cord from the mains outlet, grasp the plug itself; never pull on the cord.

m) Like with any other machine, make sure the machine is not operated by anyone who has not read this manual carefully and thoroughly, or who is not prepared to make appropriate use of the device, such as children.

05 For you Safety and Good Operation of the coffee grinder

CUNILL coffee grinders are designed to provide safe, durable and reliable operation if used correctly. Therefore, it is VERY IMPORTANT to read this instruction manual carefully before using the coffee grinder for the first time. Follow each and every item in the order in which they appear, and pay even more attention to warnings regarding installation, use, maintenance and cleaning especially those sections marked with the symbol:

as they refer to operations which may be HAZARDOUS TO THE USER if not performed correctly.



If you fail to follow the instructions, incorrect use may cause bodily harm or material damage.

The manufacturer may not be held liable for any transformation, regulation, alteration and/or modification to coffee grinders not made by qualified personnel. These may lead to material damages or bodily harm.

Although the manual which you are reading right now is written in your country's language, we also have this manual in all official EC languages. If you wish to obtain one of these, or a translation into any other languages, please contact our Commercial Department, which will gladly provide it to you. (You will find our address and telephone number in this manual).

Store this manual in a safe place for future reference.

06 General Description

All of the machines presented in this manual are coffee grinders powered by electric motor and destined for commercial use.

07 Technical Specifications

TRANQUILO-TRANQUILO-2 Model

H: 380mm L: 280mm W: 140mm Wei: 10Kg
Number of motors: 1
Voltage: 230v-110v-Frequency: 50Hz-60Hz
Phases: 1(single)-Amperage: 1,15 A-2,53A
Power: 0,10/270
Condenser: 10nf-450v - 40nf-400v
Speed: 1300-1650 Protection degree: IP21
Maximum continuous Service Time: 30 min.
Motor Equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm.
Duration of Grinding Wheels: 500kg Cof.B.
Hopper Capacity: 1/2Kg.
Dispenser Capacity: direct to the coffee-holder of the Coffee Machine
Dispenser adjustment: M/ Elect.Board(Tra).
Dispenser Adjustment: 5Gr - 12Gr.(Disp.)
Minimum Time in Repose: 10 min.



07 Technical Specifications

BRASIL Model

H: 450mm L:355mm W: 210mm Wei:11Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage:1,40A-3,2A
Power:0,12/275
Condenser : 9nf-450v - 35nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time:30min.
Motor Equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 1Kg.
Dispenser Capacity: 300 Gr.
Dispenser adjustment: 5Gr - 12Gr.
Minimum Time in Repose: 10 min.

TAURO Model

H: 560mm L:290mm W: 180mm Wei:13Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage:1,40A-3,2A
Power:0,12/275
Condenser: 9nf-450v - 35nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time: 30min
Motor Equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 1Kg.
Dispenser Capacity: 600 Gr.
Dispenser adjustment: 5Gr - 12Gr.
Minimum Time in Repose: 10 min.

07 Technical Specifications

FULL METAL Model

H: 630mm L:380mm W: 140mm Wei:15Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage: 1,80A-3,7A
Power:0,18/352
Condenser: 10nf-450v - 40nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time: 30 min.
Motor Equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 1Kg.
Dispenser Capacity: 600 Gr.
Dispenser adjustment: 5Gr - 12Gr.
Optional: Automatic On/Off function.
Minimum Time in Repose: 10 min.

SPACE Model

H: 610mm L:310mm W: 180mm Wei:15Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage:1,80A-3,7A
Power:0,18/352
Condenser: 10nf-450v - 40nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time: 30 min.
Motor Equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 2 Kg.
Dispenser Capacity: 600 Gr.
Dispenser adjustment: 5Gr - 12Gr.
Optional: Automatic On/Off Function.
Minimum Time in Repose: 10 min.

29 Troubleshooting: Coffee Grinder Doesn't Start

Consult the manufacturer's Technical Service if the problem persists after making the following checks:

- Make sure the mains power is live (i.e., check for possible mains power failure)
- Make sure the electrical data on the specifications plate (see section 37 of this manual) match the mains power source.
- TURN OFF THE COFFEE GRINDER, unplug it and check the power cord, plug and On/Off switch (11).

30 Troubleshooting: Grinding Wheels don't turn

This problem is usually due to the presence of foreign objects in the coffee beans to be ground.

Consult the manufacturer's Technical service if the problem persist after making the following checks:

- Turn off the coffee grinder immediately using the on/Off switch (11) and unplug the machine from the mains outlet.
- If you notice that the coffee grinder has overheated due to clogage of the grinding teeth, wait until it has cooled off completely.
- Follow the grinder cleaning instructions (section 22) to remove the foreign object.

31 Long-Term Storage

If the coffee grinder will not be used for a prolonged period of time, unplug it from the mains outlet.

If you decide to put the coffee grinder entirely out of commission, CHECK WITH YOUR COUNTRY'S AUTHORITIES ABOUT POSSIBLE RECYCLING of the machine.

Please be environment-friendly - do not dispose of the coffee grinder any which way.

32 Usage Precautions

These coffee grinders are designed to be used only for grinding roasted coffee beans and dispensing the ground coffee obtained from the grinding process. For safety reasons, it should never be used for any other purposes.

Particularly, DON'T use the coffee grinder to grind and/or dispense foodstuffs (such as cereals, vegetables, fruit, nuts, sugar, etc.) or non-food products other than roasted coffee beans.

The manufacturer may not be held liable for injuries or other bodily harm to persons or animals or material damages in case of improper use of the coffee grinder.

25 Maintenance Precautions

Regular maintenance checks are required to ensure optimum and reliable operation of the coffee grinder.

It is VERY IMPORTANT FOR YOUR SAFETY to follow the guidelines below:

a) If you observe any abnormal operation, turn off the coffee grinder, unplug it immediately from the mains outlet, and contact CUNILL'S Technical Service.

NEVER ATTEMPT TO FIX THE COFFEE GRINDER YOURSELF.



b) Any possible repairs must be made by CUNILL's Technical Service or by authorized dealer personnel.

c) Do not try to modify the coffee grinder in any way.

d) Use only ORIGINAL SPARE PARTS provided by the manufacturer in all repairwork. (For greater convenience, there is even a "First-Aid Kit" for urgent repairs or quick replacement of parts subjected to greatest wear).

SPARE PARTS



ORI- GINAL-
CUNILL

e) All maintenance work should be done with the coffee grinder off and unplugged from the mains.



26 Grinder Maintenance

It is important to check the condition of the grinding teeth regularly. Wear of these pieces leads to lower ground coffee quality, more electrical consumption and hotter running of the electric motor.

To avoid these affects, the grinding teeth should be replaced when the coffee grinder has been used to grind the amount of coffee beans (in Kilos) specified in the technical data for each model (section 8).

Replacement of the grinding teeth should be performed by CUNILL'S Technical Service or by authorized dealer personnel.

27 Electrical Maintenance

Check the state of the power cord, plug and On/Off switch (11) regularly. Should you observe any damage or wear, DO NOT TURN ON THE COFFEE GRINDER. Keep it unplugged and immediately contact CUNILL'S Technical Service. DO NOT TRY TO REPAIR IT YOURSELF.



28 General Maintenance

Make regular checks of the coffee grinder's different parts - coffee bean hopper (2), ground coffee feeder (8), exterior of machine, etc.

Should you observe any damage or wear, DO NOT TURN ON THE COFFEE GRINDER. Keep it unplugged and immediately contact CUNILL'S Technical Service.

07 Technical Specifications

MARFIL Model

H:610mm L:355mm W:210mm Wei:15Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage:1,80A-3,7A
Power:0,18/352
Condenser: 12nf-450v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time:30min.
Motor equipped with Thermal Protector
Tempered Steel Grinding Wheels, 60mm.
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 2 Kg.
Dispenser Capacity: 600 Gr.
Dispenser adjustment: 5Gr - 12Gr.
Optional: Automatic On/Off function
Minimum Time in Repose: 10 min.

MICHIGAN Model

H: 700mm L:355mm W: 210mm Wei:18Kg
Number of motors: 1
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases: 1(single)-Amperage:3,1A6,82A
Power: 0,50/680
Condenser: 20nf-450v -80nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time:30min.
Motor equipped with Thermal Protector
Tempered Steel Grinding Wheels, 65mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 2 Kg.
Dispenser Capacity: Bags
Dispenser adjustment: NO
Special Bags
Minimum Time in Repose: 10 min.

07 Technical Specifications



RUMBA Model

H: 370mm L: 270mm W: 185mm Wei: 10Kg
Number motors: 1
Voltage: 230v -110v -Frequency: 50Hz-60Hz
Phases: 1(mono) - Amperage:1,15A - 2,53A
Power: 0,10/270
Condenser: 10nf-450v - 40nf-400v
Speed: 1300-1650-G/P: IP21.
Maximum Continuous Service Time: 30 min.
Tempered Steel Grinding Wheels, 60mm.
Duration of Grinding Wheels:500kg Cof.B
Hopper Capacity: 1/2Kg.
Dispenser: Elektronik.
Minimum Time in Repose: 10 min.



07 Technical Specifications

UGANDA - "Silencer" Model
 H:520mm L:355mm W:210mm Wei:13Kg
 Number of motors: 1
 Voltage:230v-110v-Frequency:50Hz-60Hz
 Phases:1(single)-Amperage:1,55A-3,41A
 Power:0,16/325
 Condenser: 10nf-450v - 40nf-400v
 Speed:1300-1650 Protection degree:IP21
 Maximum Continuous Service Time:30min.
 Motor equipped with Thermal Protector
 Tempered Steel Grinding Wheels, 60mm
 Duration of Grinding Wheels:500kg Cof.B.
 Hopper Capacity: 1 Kg.
 Dispenser Capacity: 300 Gr.
 Dispenser adjustment: 5Gr - 12Gr.
 Optional: Automatic On/Off function.
 Minimum Time in Repose: 10 min.



07 Technical Specifications



Mod. SALSA

H: 560mm L: 290mm W: 180mm Wei: 25Kg
 N° motor: 1+1 ventilator
 Voltage: 230v -110v -Frequency: 50Hz-60Hz
 Phases: 1(mono) - Amperage4,4A - 9,2A
 Power: 0,60/920
 Condenser: 25nf-450v - 100nf-400v
 Speed: 1300-1650-G/P: IP21.
 Maximum Continuous Service Time:30min.
 Motor equipped with Thermal Protector
 Tempered Steel Grinding Wheels, 60mm
 Duration of Grinding Wheels:500kg Cof.B.
 Hopper Capacity: 1 Kg.
 Dispenser adjustment : 5Gr-12Gr.
 Dosif.: Elektronik
 Minimum Time in Repose: 10 min.

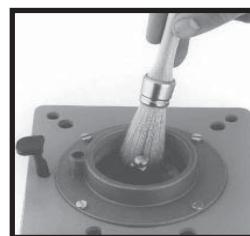
22 Cleaning the Grinding Teeth

Frequency: Every 25 days.
 Use a round brush with semi-rigid bristles.
 The brush should be long enough to reach all parts. Try to use a brush exclusively for cleaning the coffee grinder and store it in a clean, dry space.



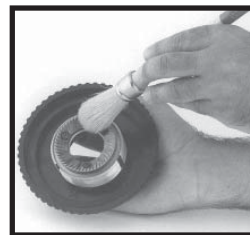
a) Unplug the grinder.

b) Loosen the lockscrews (3) and remove the hopper (2).



c) Press the adjustment trigger (6) and keep it pressed to free the adjustment platen (4) and turn the platen TOWARDS THE LEFT, in the direction of the "G" arrow, until you remove the platen.

d) Clean the grinding teeth and all other elements in the housing using the brush, completely dry and without using any type of liquid.



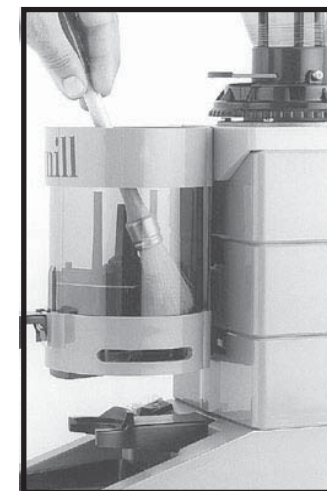
e) Replace the adjustment platen (4) and turn it TOWARDS THE RIGHT, in the direction of the "F" arrow, until reaching the grinding position you want. (See section 17 for coffee grinding thickness adjustment).

23 Cleaning the Feeder

Frequency: Every 25 days.
 Use the same brush for cleaning the grinding teeth.

a) Unplug the grinder.

b) Move the feeder handle (15) back and forth as many times as needed to empty the feeder (8).



c) Remove the feeder lid (7).

d) Use the brush, completely dry and without using any type of liquid, to clean the inner surface of the feeder (8) Move the feeder handle (15) back and forth to clean thoroughly.

e) Replace the feeder lid (7).

24 Cleaning the outer Body of the Coffe Grinder

If the outside of the coffee grinder becomes dirty, clean it with a soft cloth dampened in water. Remember to turn off the grinder using the On/Off switch (11) and unplug it before cleaning.

Cleaning of the interior of the interior of the coffee grinder should be performed ONLY BY CUNILL TECHNICAL SERVICE STAFF.



18 Adjusting Ground Coffee Amount Dispensed by the Coffee Grinder

You can adjust the ground coffee feeder (8) to obtain a SMALL MEASURE (minimum 5g.) up to a LARGE MEASURE (maximum 12 g.) as follows:



To obtain a SMALLER Measure:

- Unplug the grinder.
- Remove the ground coffee feeder lid (7).
- Turn the ground coffee screw (9) TO THE RIGHT.

d) Replace the ground coffee feeder lid (7).
To obtain a LARGER Measure:

- Turn off the coffee grinder using the On/Off switch (11).
- Remove the ground coffee screw (9) TO THE LEFT.
- Replace the ground coffee feeder lid (7).

19 Maximum Operating Time

The coffee grinder SHOULD NOT BE OPERATED CONTINUOUSLY FOR MORE THAN 30 MINUTES.

If you observe any abnormal operation, turn off the coffee grinder, unplug it immediately from the mains outlet, and contact CUNILL'S Technical Service your dealer.



20 Cleaning Precautions

It is very important to regularly clean the coffee grinder's different parts.

To avoid any incidents, you should clean the machine with the indicated frequency following these SAFETY GUIDELINES:

- Before cleaning any part of the coffee grinder (even the outer shell) make sure you turn it off using the on/off switch (11) and unplug the coffee grinder from the mains outlet.
- Never clean the coffee grinder using running water or submerging it in water.
- Never use abrasive cleaners or chemical solvents.

21 Cleaning the Hopper

Frequency: Every 25 days.



- Unplug the grinder.
- Loosen the lock screws (3) which fasten the hopper to the adjustment platen (4) and remove the hopper (2).
- Clean the hopper using a highly diluted solution of dishwasher liquid in water. Always wash the hopper by hand, never place in the dishwasher.
- Make sure the hopper is completely dry before re-attaching it and locking the screws (3).

07 Technical Specifications

HAWAI - 2 - "Cooled" Model

H:600mm L:250mm W:210mm Wei:20Kg
Number of motors: 1+ 2 motor-fans
Voltage:230v-110v-Frequency:50Hz-60Hz
Phases:1(single)-Amperage:5,75A-12,65A
Power: 0,75/980
Condenser: 90MF-230V -400nf-125v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time:30min.
Motor equipped with Thermal Protector
Tempered Steel Grinding Wheels, 65mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 1/2 Kg.
Dispenser Capacity: Bags
Dispenser adjustment: NO
Special Bags
Minimum Time in Repose: 10 min.

MOVIE - Silencer

MOVIE - BIMOTOR-"Cooled" Model

H:660mm L:460mm W:265mm Wei:18Kg
Number of motors: 1(op)+1 motor-fans
Voltage:230v-110v-Frequency:50Hz-60Hz
Power:1(single)-Amperage: 2,1A - 4,62A
Potencia:0,30/360
Condenser: 14MF-450V - 55nf-400v
Speed:1300-1650 Protection degree:IP21
Maximum Continuous Service Time:30min.
Motor equipped with Thermal Protector
Tempered Steel Grinding Wheels, 65mm
Duration of Grinding Wheels:500kg Cof.B.
Hopper Capacity: 2Kg.
Dispenser Capacity: 5gr-12gr
On-Off: Automatic(Movie)
On-Off:Automatic every 8 coffees-Bi.motor
Minimum Time in Repose: 10 min.



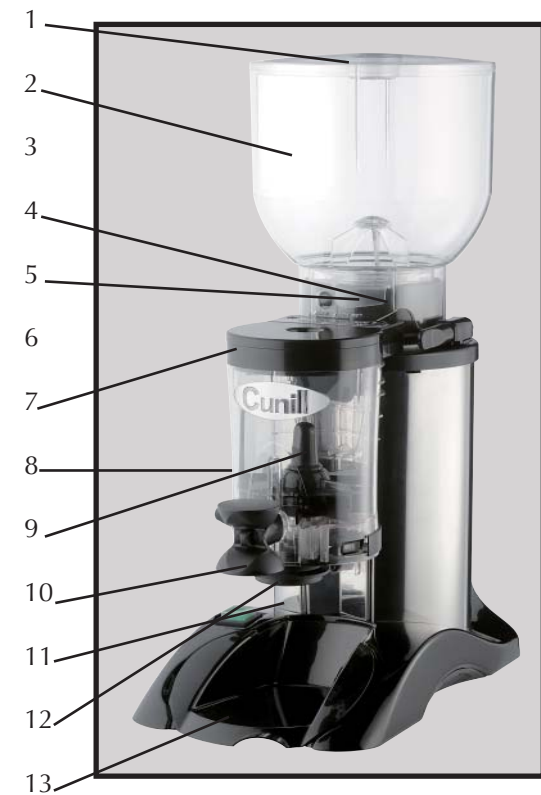
Michigan-bolas



Movie - Silencioso



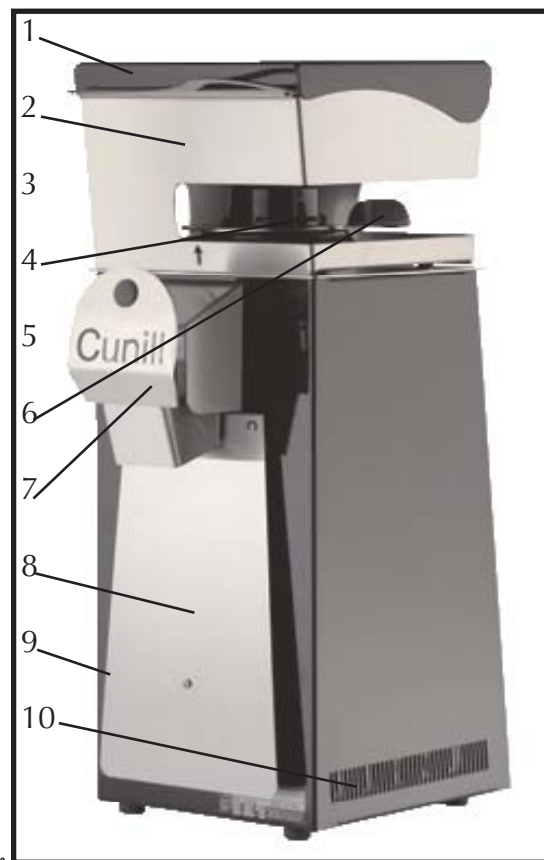
08 Identification (Classic) of the Components.



- 1.-Coffee bean hopper lid.
- 2.-coffee bean hopper
- 3.-Hopper-grinder adjustment platen lock screws.
- 4.-Grinder Adjustment platen
- 5.-Trap of (open/close) bean hopper.
- 6.-Grinder adjustment trigger
- 7.-Ground coffee feeder lid.
- 8.-Ground coffee feeder.
- 9.-Ground coffee adjustment screw.
- 10.-ground coffee press.
- 11.-On / Off switch.
- 12.-Direct intake (seal-saver).
- 13.-Coffee collection Tray.
- 14.-Feeder Handle.

08 Identification (Especial) of the Components

- 1.-Hopper lid.
- 2.-Hopper.
- 3.-Fixing screws (hopper + adjust. disk).
- 4.-Split pin (opening/closing) of the hopper.
- 5.-Adjustment pawl.
- 6.-Selection-lever of adjustment.
- 7.-Holding lever for the bags
- 8.-Vibrating inox plate.
- 9.-On / Off switch.
- 10.-Air exits.



16 Operating the Michigan and the Hawai-2 Models

The models Michigan and Hawai-2 are the only ones of our product range which does not dispense ground coffee in measures, but rather in "bulk", therefore, its specific features only affect coffee dispensing.



a) In the model Hawai-2 is possible to regulate the type of ground coffee through the selection-lever of adjustment (6) putting on the type of ground coffee desired, through the frontal upper arrow (coarse, medium, fine, espresso and Turkish).

b) Place the bag where you want to store the ground coffee under the holding-lever (7), the bag will be supported by the vibratory (8) plate through the one is possible a perfect settling of the ground coffee in the bag.

c) Turn on and of the grinder using the On/ Off switch (9) .

17 Adjusting Coffee Grinding Level

You can adjust the degree of grinding (more finely/coarsely/ground) by adjusting the grinder by means of the grinder adjustment platen (4) as follows:

To obtain a more finely ground coffee:

- a) Unplug the grinder.
- b) Keep the adjust-ment trigger pressed to free the adjustment platen (4) and turn the platen TO THE RIGHT as indicated by the "F" arrow on the platen.
- c) Release the adjustment trigger (6) and make sure the adjustment platen (4) cannot turn.



To obtain MORE COARSELY GROUND COFFEE:



- a) Unplug the grinde.
 - b) Keep the adjustment trigger (6) pressed to free the adjustment platen (4) and turn the platen TO THE LEFT as indicated by the "G" arrow on the platen.
 - c) Release the adjustment trigger (6) and make sure the adjustment platen (4) cannot turn.
- ATTENTION: If the adjustment platen (4) is completely removed from its emplacement, the grinding wheels are fully exposed, with the consequent hazard if the coffee grinder is turned on. Never operate the coffee grinder without all its moving parts correctly in place.

14 Grinding coffee beans

Turn on the coffee grinder using the On/Off switch (11). The beans will pass through the grinder and the ground coffee will fit the ground coffee feeder.

When the ground coffee feeder (8) is full, stop the coffee grinder using the On/Off switch (11).

ONLY FOR MODELS WITH AUTOMATIC STOP FEATURE: After starting the coffee grinder using the On/Off switch (11), the machine stops automatically when the ground coffee feeder (8) drops to a certain level, the coffee grinder starts up automatically, refills the feeder (8) and shuts down automatically once the feeder is full.

ONLY IN THE BI-MOTOR MODELS: Operate also automatically but in them the machine starts up automatically when you have taken out from the doser (8) the amount of 8 coffees, in this moment it will start up automatically again.

15 Obtaining a Measure of Ground Coffee

a) Place the coffee-holder of the coffee machine on the Seal-saver (12), located right below the feeder's ground coffee outlet (14).



b) Pull the feeder handle (14) towards you to obtain a single measure. Release the handle for it to return to its position.

c) Place the coffee-holder of the coffee machine under the ground coffee press (10) and press upwards to pack the ground coffee.

If you want to keep the feeder (8) full at all times (although this is not necessary), turn on the grinder every time you remove a measure and turn it off when the feeder (8) is full. (Remember that this operation is automatic in models with the automatic stop feature).



09 Machine Air Noise

The air noise value of CUNILL coffee grinders was estimated based on measuring noise levels in identical machines during the grinding process.

The continuous weighted "A" equivalent acoustic pressure level at the worksite for different coffee grinders is as follows:

MODEL - "Classic"	dB-(A)
-Tranquilo	77
-Tranquilo-2	77
-Brasil	77
-Tauro	77
-Full-metal	79
-Space.....	79
-Marfil.....	79
-Michigan	80

MODEL-"Silencer"	dB-(A)
-Jamaica	63
-Uganda	63
-Movie.....	63
-Nobel	63
-Hawai.....	65

MODEL-"Electronic"	dB-(A)
-Rumba.....	63
-Salsa.....	63

10 Unpacking

Before fully unpacking your coffee grinder, make sure that the model and colour indications marked on the box match the model that you have selected. If not, please contact your dealer.

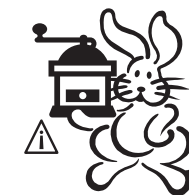


Carefully remove the contents from the box and make sure the coffee grinder has not been damaged during transportation. If you observe any damage, please inform your dealer without delay.

If you suspect that the coffee grinder or any of its parts are damaged or deteriorated, DO NOT USE THE DEVICE.

Contact CUNILL's Technical Service immediately or get in touch with MOLCUNILL authorized technical staff.

Before using the machine, remove all wrapping and make sure it is completely clean. Take special pains to make sure that plastic bags and metal staples are kept out of the reach of children to prevent possible accidents.



Please, be environment - friendly. Do not dispose of the packing materials any which way. These can be recycled - both the plastic bag used to wrap the coffee grinder and the cardboard box itself are made with recyclable materials. Please check the related legislation in your country.

1 Placement of Coffee Grinder

The placement of the coffee grinder is a decisive factor, both for the perfect performance of the machine and for the user's health. Its placement in an inadequate site for use can result in adverse physiological effects, for instance, uncomfortable posture or unnecessary excess effort. For this reason, please bear in mind the following precautions before deciding a site for the coffee grinder:

a) Place it on a flat, stable surface, at a height which allows easy and safe operation.

b) Place it at an appropriate distance from a grounded mains outlet which will allow you to effortlessly plug it in and unplug it (approx. 110 cm.).

Never pull the power cord to unplug the grinder; always grip the plug.

c) Keep the following minimum clearances to ensure perfect operation of the coffee grinder, as well as for easy and safe use and cleaning:

WIDTH: There should be a minimum clearance of 20 cm. on both sides of the coffee grinder.

DEPTH: There should be a minimum clearance of 20 cm. in front of and behind the coffee grinder.

HEIGHT: There should be a minimum clearance of 30 cm. on top of the coffee grinder.

d).-For your convenience, place the coffee grinder near the coffee espresso machine. This will avoid unnecessary trips back & forth.

e) Do not place the coffee grinder near running water or places where foreign objects can penetrate the interior of the machine.

f) Do not leave the coffee grinder near heat sources like radiators or air ducts, or where it can be subjected to direct sunlight, excess dust, rain, mechanical vibrations, or impacts.

g) To avoid internal overheating, place the coffee grinder in a properly ventilated area.



12 Electrical Wiring

The electrical installation of your coffee grinder should be left to qualified personnel, always adhering to the following safety indications:

a). Make sure the electrical data on the coffee grinder's Specifications Plate (see section 37 of this manual) match your mains power.



b) The coffee grinder must be connected to a grounded mains outlet meeting your country's regulations. Non-fulfilment of this requirement may constitute a serious hazard to your health. The manufacturer may not be held liable for any injuries or harm caused by a non-grounded mains power outlet.



c) The power source must be protected by means of a magneto-thermal switch suited to the power required by the coffee grinder, as indicated on the grinder's Specifications Plate (see section 37 of this manual).

d) There should be a differential relay suited to the characteristics of the mains wiring.

e) Make sure the mains wiring is suited to the device's power consumption.

f) Do not use cable extensions, adaptors or multiple-switch boards or plugs to connect the coffee grinder to the mains outlet.



13 Before Using the Coffee Grinder

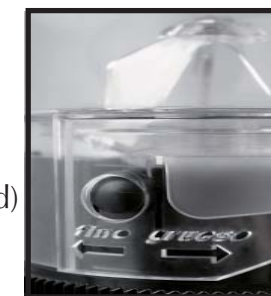
Before using the coffee grinder for the first time, follow the instructions below to load coffee beans:

a) Make sure the coffee bean hopper (2) is correctly placed and attached by the lock screw (3) to the grinder adjustment platen (4).



b) Close the trap (5) preventing the beans from entering the grinder chamber.

c) Lift the hopper lid (1), fill the hopper with coffee beans (2) and close the lid.



d) Slide the trap (5) to its outer position letting the beans drop into the grinder chamber.

The manufacturer may not be held liable for injuries or harm to persons and/or animals, or material damages resulting from the incorrect installation of the coffee grinder or failure to comply with any of the above indications.