

AccuMix Capsule Mixer

PREFACE

Thank you for purchasing the product "AccuMix". To ensure that users clearly understand and can operate this machine safely, our company has prepared this instruction manual. Please read all operating procedures and precautions carefully before use.

IMPORTANT :
This product must be operated by trained personnel and in accordance with the instructions.

INTENDED USE

"AccuMix" is intended for the mixing of dental material capsules. Applies to most capsules products on the market.

DISCLAIMER

- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by improper removal, modification, maintenance, or repair of the product conducted by unauthorized personnel.
- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by the use of this product in conjunction with other regulated products.
- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by improper removal, modification, maintenance, or repair of the product with components not supplied by the manufacturer.
- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by improper operation that is not compliant with the manual instructions.
- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by inappropriate modifications to the power supply, installation environment, or any other safety-regulated operating conditions as specified in this manual.
- The manufacturer shall not assume any responsibility if any malfunction, damage, or accident resulting in bodily injury is caused by natural disasters, environmental causes, or acts of God.

SAFETY PRECAUTIONS

Please follow the instructions in this manual for correct and safe operation of the device. Pay special attention to the following warning signs beside the operation descriptions where applicable.

WARNING :
This message appears where the operation may cause serious damage or defect to other objects if instructions are not followed correctly.

CAUTION :
This message appears where the operation may cause slight damage to other objects or the human body if instructions are not followed correctly.

IMPORTANT :
This message appears where the operation may involve risk of defecting the device itself if not properly conducted.

Explanation of Graphical Symbols :

- ISO 7010 M002 Refer to instruction manual / booklet.
- Indicates the polarity of the DC power input.
- Class II Equipment
- Device has met all essential requirements of European Medical Device Directive (EU) 2017/745.
- Manufacturer
- EU-wide legislation, as implemented in each Member State, requires that waste electrical and electronic products carrying the mark (left) must be disposed of separately from normal household waste. This includes monitors and electrical accessories, such as signal cables or power cords. When you need to dispose of your display products, please follow the guidance of your local authority, or ask the shop where you purchased the product, or if applicable, follow any agreements made between yourself.
- The mark on electrical and electronic products only applies to the current European Union Member States.

- WARNING :**
Do not modify this device without authorization of the manufacturer.
- IMPORTANT :**
Do not use other adapters without authorization from the manufacturer.
- CAUTION :**
Please check the adaptor before use. Adaptor that does not meet the specifications may cause device failure.
- CAUTION :**
Note: For safety reasons, if any abnormal noise or impact sound occurs during operation, please stop immediately.
- CAUTION :**
Do not operate the device without a capsule. It may be damaged.

Product Cleaning :

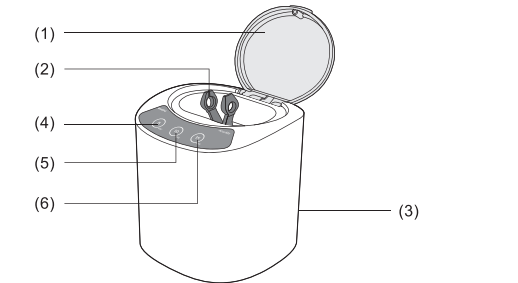
If there is any dirt or stains on the surface of control panel, please use a cloth to wipe clean. If it is hard to clean, please use a neutral cleaning agent. (70% isopropyl alcohol)

IMPORTANT :
Never use a solvent or volatile oil for cleaning. This can lead to fading of the print on the casing.

PARTS & FUNCTIONS

MAIN PART A AccuMix Capsule Mixer:

- (1) Safety Cap
- (2) Mixing Arms
- (3) Power Button
- (4) Mode-1 : 5 seconds
- (5) Mode-2 : 10 seconds
- (6) Mode-3 : 15 seconds



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1225 Stone Drive, San Marcos, California 92078-4059,USA
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Made in Taiwan
Monitex reserves the right to explain discrepancies of the product which may be caused by weather, temperature, materials used, and all other factors. Specifications are subject to revision without prior notice.

Guidance and manufacturer's declaration – electromagnetic immunity			
The model AccuMix is intended for use in the electromagnetic environment specified below. The customer or the user of the model AccuMix should assure that it is used in such an environment.			
Immunity test	IEC 60601test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the model AccuMix, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ 80 MHz to 800 MHz $d = 2.3 \sqrt{P}$ 800 MHz to 2.5 GHz where <i>P</i> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and <i>d</i> is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ¹ should be less than the compliance level in each frequency range. ² Interference may occur in the vicinity of equipment marked with the following symbol:
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 A/m	
Surge IEC 61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % <i>U</i> _T (>95% dip in <i>U</i> _T) for 0.5 cycle 40 % <i>U</i> _T (60 % dip in <i>U</i> _T) for 5 cycles 70 % <i>U</i> _T (30 % dip in <i>U</i> _T) for 25 cycles <5 % <i>U</i> _T (>95% dip in <i>U</i> _T) for 5 sec	<5 % <i>U</i> _T (>95% dip in <i>U</i> _T) for 0.5 cycle 40 % <i>U</i> _T (60 % dip in <i>U</i> _T) for 5 cycles 70 % <i>U</i> _T (30 % dip in <i>U</i> _T) for 25 cycles <5 % <i>U</i> _T (>95% dip in <i>U</i> _T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the model AccuMix requires continued operation during power mains interruptions, it is recommended that the model AccuMix be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE <i>U</i> _T is the a.c. mains voltage prior to application of the test level.			
NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people. ¹ Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the model AccuMix is used exceeds the applicable RF compliance level above, the model AccuMix should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the model AccuMix. ² Over the frequency range 150 kHz to 80 MHz, field strengths should be less than <i>V</i> _m .			

- PARTS B Accessories:**
- (1) Adapter (DC 24V)
 - (2) Cable
- IMPORTANT :**
Do not use an adapter that has not been approved by the manufacturer.
- WARNING :**
Do not modify this product without the manufacturer's approval.

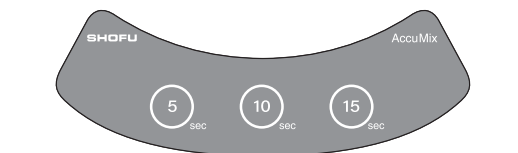
INSTALLATION

Please carefully follow the instructions below to ensure proper function of the device.

Adapter Installation :

Insert the DC adapter plug into the device power socket, then connect the power plug with the adaptor. Please make sure the power plug is connected securely.

PANEL OPERATIONS



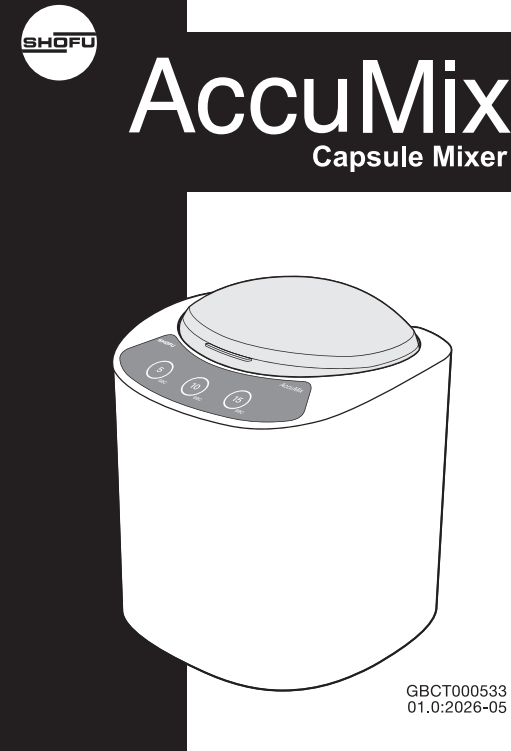
(A) Start and Operate

Sleep mode
Mode1 • Mode2 • Mode3 Blue LED breathing light
Press any button or open the safety cap to return to standby mode.

Standby mode
Mode1 • Mode2 • Mode3 White LED light
Mode-1 5 sec. default, Mode-2 10 sec. default, Mode-3 15 sec. default
When the safety cap is closed, press Mode-1 once for 5 seconds running time.
When the safety cap is closed, press Mode-2 once for 10 seconds running time.
When the safety cap is closed, press Mode-3 once for 15 seconds running time.
When the safety cap is closed and in standby mode for 10 min., the device will enter sleep mode.

In Operation
Operate in Mode-1:
5 seconds indicator light shows a white breathing effect;
10 seconds indicator light turns off; 15 seconds indicator light turns off;
The operation stops once the timer is completed.
Operate in Mode-2:
5 seconds indicator light turns off;
10 seconds indicator light shows a white breathing effect;
15 seconds indicator light turns off;
The operation stops once the timer is completed.
Operate in Mode-3:
5 seconds indicator light turns off;
10 seconds indicator light turns off;
15 seconds indicator shows a white breathing light.
The operation stops once the timing is completed.

During operation, pressing any button once will stop the operation and return the device to standby. Opening the front cover during operation will also stop the operation and return it to standby.



MAINTENANCE CHECK LIST

PASS	/	REPLACE	X	TIGHTEN	T
CHECK	V	REPAIR	Δ	CLEAN	C
DISASSEMBLE	O	TUNE-UP	U	LUBRICATE	L

The first inspection was done on ____/____/____. (dd/mm/yy)
The previous inspection was done on ____/____/____. (dd/mm/yy)
Maintenance check is completed every _____ month(s).