



Electric Dental Handpiece Cleaning and Maintenance Machine Instruction Manual

Tealth Foshan Medical Equipment Co.,Ltd

Instructions for Use

Name: Electric Dental Handpiece Cleaning and Maintenance Machine

Model:C100,C200

The machine has been strictly tested before leaving the factory and meets the design requirements. However, in order to ensure the normal, safe and reliable operation of the machine and avoid affecting your work, please read the instruction manual in detail before using the machine.

1.Intended Use:

The Electric Dental Handpiece Cleaning and Maintenance Machine is specially designed for clinics.hospital departments,laboratories, etc. to clean and lubricate dental handpiece (High speed handpiece, low speed hangpiece, etc.) simply and safely.

This product has the following functions :

- Can clean , lubricate maintenance and blow away excess liquid for two handpiece at same time.
 - Suitable for caring and maintaining high and low speed handpiece of all types of brands.
 - The sealing door design can effectively reduce the oil mist at minimum to ensure the cleaning of working environment.
 - Intelligent working mode, no needs to set the lubricating time for every use.
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2. Packing list

- 1) Cleaning & Maintenance machine 1set
- 2) Instruction Manual 1pcs
- 3) Sewerage Pipe 1pcs
- 4) Funnel 1pcs
- 5) Spare fuse 1pcs
- 6) O-rings for low speed handpiece 4pcs
- 7) Connector for high speed handpiece 1pcs
- 8) Power line 1pcs

3. Specification

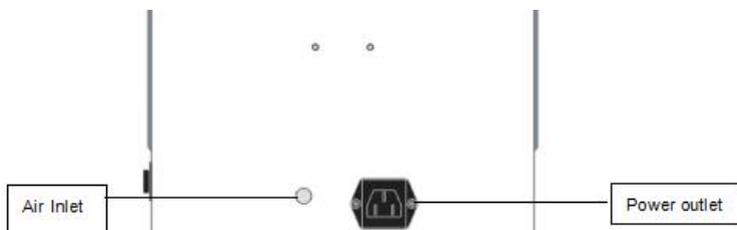
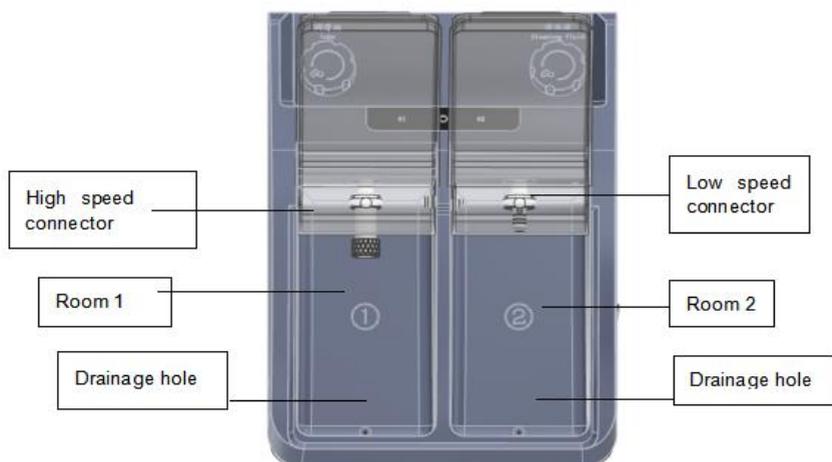
Rated voltage:	AC220V,50HZ
Power rating:	Rated power: 35W
Air source pressure:	3 kg/ cm ² ~6 kg/ cm ²
Working pressure:	2.2 kg/ cm ² ~2.5 kg/ cm ²
Capacity of lubricant and cleaner liquid bottles:	308ml
Parameter of motor:	A. Rated voltage: 12V DC
	B. Rated power: 6W
	C. Speed: 3,000 rpm
operating ambient temperature:	5□~40 □
Net weight:	7.0KG
Size:	260X200X318(mm)
Size of outer packaging:	415X325X270(mm)
Self-life	5 years

4.Product Structure



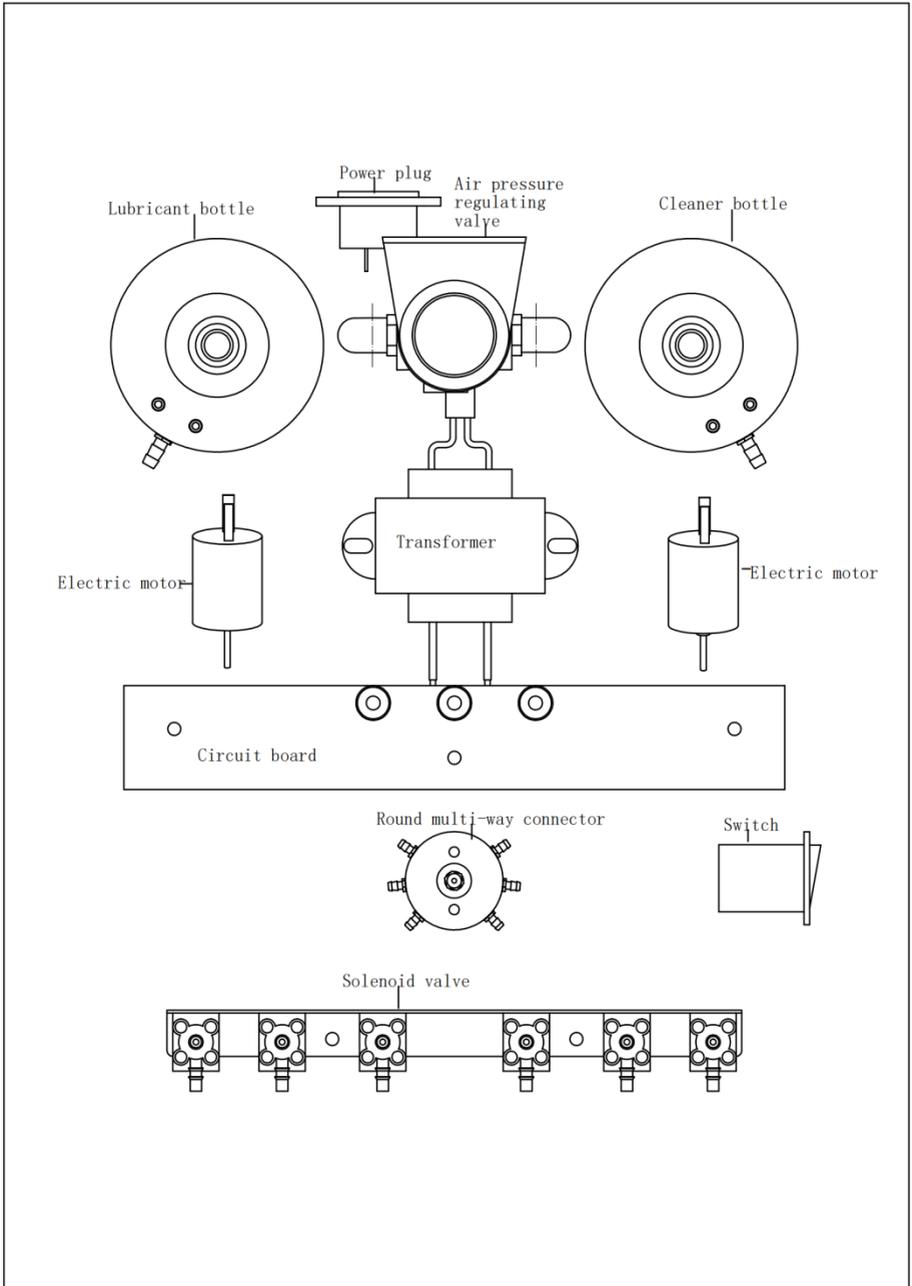
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Rear view

Schematic of internal structure:



5. Instructions for use

Kindly remind:

(1) Check before power up

A: Whether there is enough Lubricant in the tank;

B: whether the lid of the tank is tight;

C: Whether the air source is connected;

D: Whether the power supply is connected;

E : Check the air pressure range (3 kg / cm²~6 kg / cm²)

(2) Turn on the power supply, clean and lubricate the handpiece you needed according to the instruction of interface.

(3) Instruction of interface:



A. ON/ OFF Button

Press the button “”: After plugging in the power plug, the on/off button is on red light, and the buzzer sounds for once; Touch the on/off button once and the button is on green light, and the buzzer sounds for twice, and the machine is on working mode (described in detail later).

Touch the button one more time, and the machine switch back to standby, the buzzer sounds for twice.

B. #1 or #2 Channel Selection Button

Only on the standby state, touch #1 or #2 button is valid, if touching the button on the boot state it is invalid;

Channel selection function: when in the standby (OFF), touch #1 or #2 button to select

whether to choose the corresponding channel for cleaning and lubricating the handpiece. When the buzzer sounded once after touching the button, if the button is in red, that means not choosing this channel; But if it is green, that means choosing this channel and will clean and lubricate the handpiece in this room.

C.ON/OFF boot state

When touching the ON/OFF button, the machine is in the boot state.

It enters into the automatically working model which will Choosing cleaning and lubricating the #1 and #2 channel for the handpiece at the same time.

Automatically working model steps :

- 1) Pressurized
- 2) Output cleaner to #1 handpiece
- 3) Output cleaner to #2 handpiece
- 4) Blow off cleaning solution
- 5) Output lubricant to #1 handpiece 6) Output lubricant to #2 handpiece
- 7) Blow off lubricant
- 8) Finished . Enters into standby mode automatically.

Choosing #1 (or #2) channel for cleaning and lubricating handpiece.

Automatically operation steps:

- 1) Pressurization
- 2) Output cleaner to #1 (or #2) handpiece
- 3) Blow off cleaner
- 4) Output lubricant to #1 (or #2).
- 5) Blow out lubricant
- 6) Finished . Enters into standby mode automatically.

D.The observation windows on the side can observe the current lubricant/cleaner volume. Please fill the tank with cleaner/lubricant when the volume of them is below the green line, but please do not exceed the red line.

E. The knob at the back of the interface is the lid of the cleaner and lubricant tank bottle, when the machine is working, the knob must be twisted tightly; (Figure 1)



Figure 1

6. Safety Instruction

(1)Warning symbol

A.  Earthing Mark

B. Explanation of symbols on Outer packaging

 Indicates that the correct position of the transportation package is vertical;

 The transportation package contains fragile goods, so it should be handled with care.



The package is afraid of rain.

(2) Plugging in and out of the power plug with wet hand is prohibited. Please unplug the power when in no use .

(3) Please place the machine horizontally in a dry, clean and ventilated place indoors when using, avoiding any dust.

(4) Storage condition and methods: The packed machine should be stored in a well ventilated and clean room with temperature ranging from -10°C to 40°C , relative humidity not exceeding 75%, no corrosive gases.

(5) Handling precautions :

A. The correct position of the transportation package is vertical, do not carry or store it upside down.

B. The transportation package contains fragile items, please be careful when handling.

C. Stacking quantity should not exceed 5 piece in the transporting or storing process.

(6) If the user's power supply voltage is lower than the standard voltage value of 20% of the range, please stop do not force to use it, should add power regulator or voltage regulator to make the voltage reach the standard voltage value, otherwise it can't work normally and will cause damage to the machine.

(7) Working temperature : 5°C - 40°C

(8) The machine should be unplugged when cleaning, do not sprinkle water on the machine ; The machine should be cleaned with a soft dry cloth.

(9) Do not disassemble the circuit board inside the machine.

7.Maintenance

(1) Surface cleaning

① Turn off the power switch

② Remove the power cord

Wipe the surface using a cloth moistened with water, warm water or soapy water (neutral detergent), then again wipe using another cloth moistened with disinfectant alcohol.

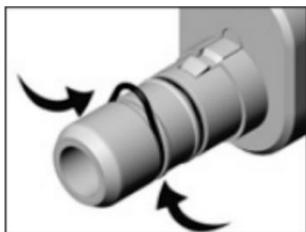


- Never use solvent such as benzene or thinner for cleaning.
- Do not leave an alcohol-immersed cloth in contact with the machine for a long period. Bleaching, deformation or failure of the machine may occur.

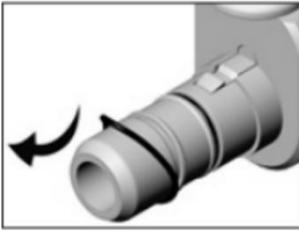
(2) Replacing the O-ring:

When the O-ring is damaged or leaked, it should be replaced immediately.

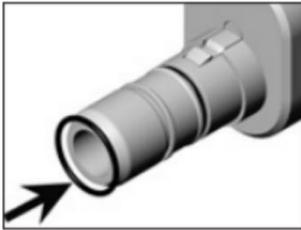
Do not use sharp tools!



① Clamp the O-ring tightly between the thumb and form a loop.



② Remove the O-ring



③ Slide and insert a new O-ring.

8. Common Failures and Trouble shooting Methods

Item	Failure phenomenon	Fault analysis	Solution
1	The machine is not working,LED display	Not plugged in or in a socket nowwithout power	Check whether there is connected or no power
		The fuse is disconnected	Change into a new fuse after confirming no leakage
2	No response to the touch button	The circuit board is damaged	Replace the circuit board
		Lid of tank is not tightened	Tighten the lid
		Air pressure source is disconnected	Connect to air pressure

3	The machine operates, but no fluid	The infusion tube was converted	Adjust the infusion tube position
		No lubricant and cleaner in the tank	Add corresponding liquid
		The nozzle of the lubricant bottle is blocked	Unclog the nozzle
4	The machine is running, but the output liquid is not uniform	Clogged handpiece	Multiple cleaning and lubricating, or repair the handpiece
		Output Settings wrong	Adjust the output setting
5	Air leakage	The pipe interface is not connected well	Reconnect it
		The pipe rupture	Replace the pipeline
6	The air pressure is too low or too high	Pressure reducing valve adjustment error	Adjust the pressure relief valve
7	The motor doesn't work	Motor damaged	Replace the motor
		The handpiece not working	Change handpiece

9. Labels, Packing Logo Design:

Symbol	Introductions	Symbol	Introductions
	CE Symbol		Medical device
	Manufacturer Name Address		European Authorized

			Representative
	Manufacture Date		Used-by Date
	Batch Code		Consult instructions for use
	Warnings and Precautions		Non-sterile
	Unique Device Identification		Serial number
	Keep dry		Keep away from Sunlight
	Country of Manufacture		Model Number
	Importer		Distributor