

# SP20

VER:1.0

## USER MANUAL



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## Warning

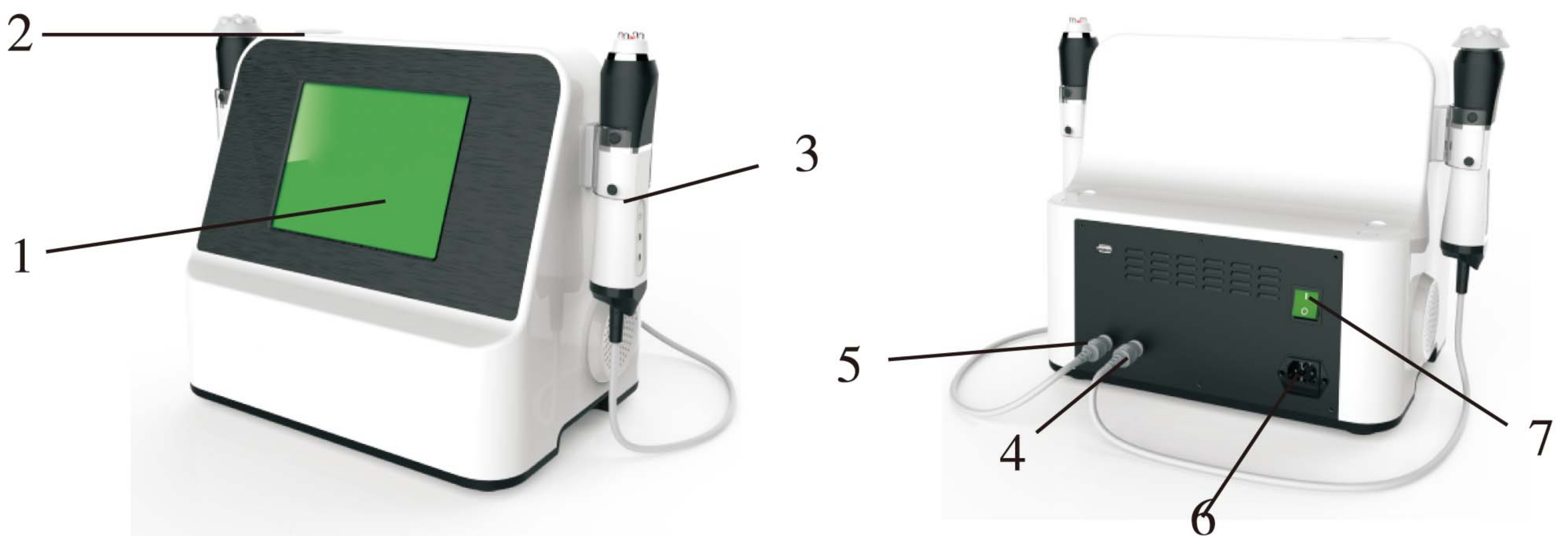
Dear user:

Thanks for using our company's products, in order to fully make use of the products, we sincerely suggests follow:

- ◆◆ Please read the instruction in detail and keep it well for further reading and consulting.
- ◆◆ Please follow the instruction to fit and operate the machine correctly.
- ◆◆ Please do not remove and change any accessories of the machine.
- ◆◆ It forbids others to open and remove the mainframe except the authorized people in the company.
- ◆◆ It forbids others to change and maintain the machine except the professional people.
- ◆◆ Please contact us if there is any trouble during operation.

**This product does not belong to medical,  
please don't use for disease treatment!**

## Parts Introduction



1. Display window
2. Start / pause button
3. Accessories frame
4. BOHR effect C&O handle jack
5. 4D-Circle RV handle jack
6. Power supply line socket
7. General power switch

## Accessories



BOHR effect C&O handle



4D-Circle RV handle

Any part of instrument made of PMMA material (for example: accessories shelf, panel, transparent handles, etc.). Do not use alcohol or corrosive solvent to wipe clean.

# Basal Operation

1. Put accessories well and connect them to the host.

(1) Insert the plug of BOHR effect C&O handle into [4] jack, tighten the nut and put it into frame.

(2) Insert the plug of 4D-Circle RV handle into [5] jack, tighten the nut and put it into frame.

2. Insert the plug of Power supply line into [6]

socket, turn on Power switch [7]. Input system default password: "000000", the system enter into (Fig 1) shows.

3. In the interface as (Fig 1):

(1) Click on "Basic setting" to select language, set date and time. **Attention: The "Advanced setting" is only for manufacturer, Users do not use.**

(2) Click on "item" to enter operating interface.



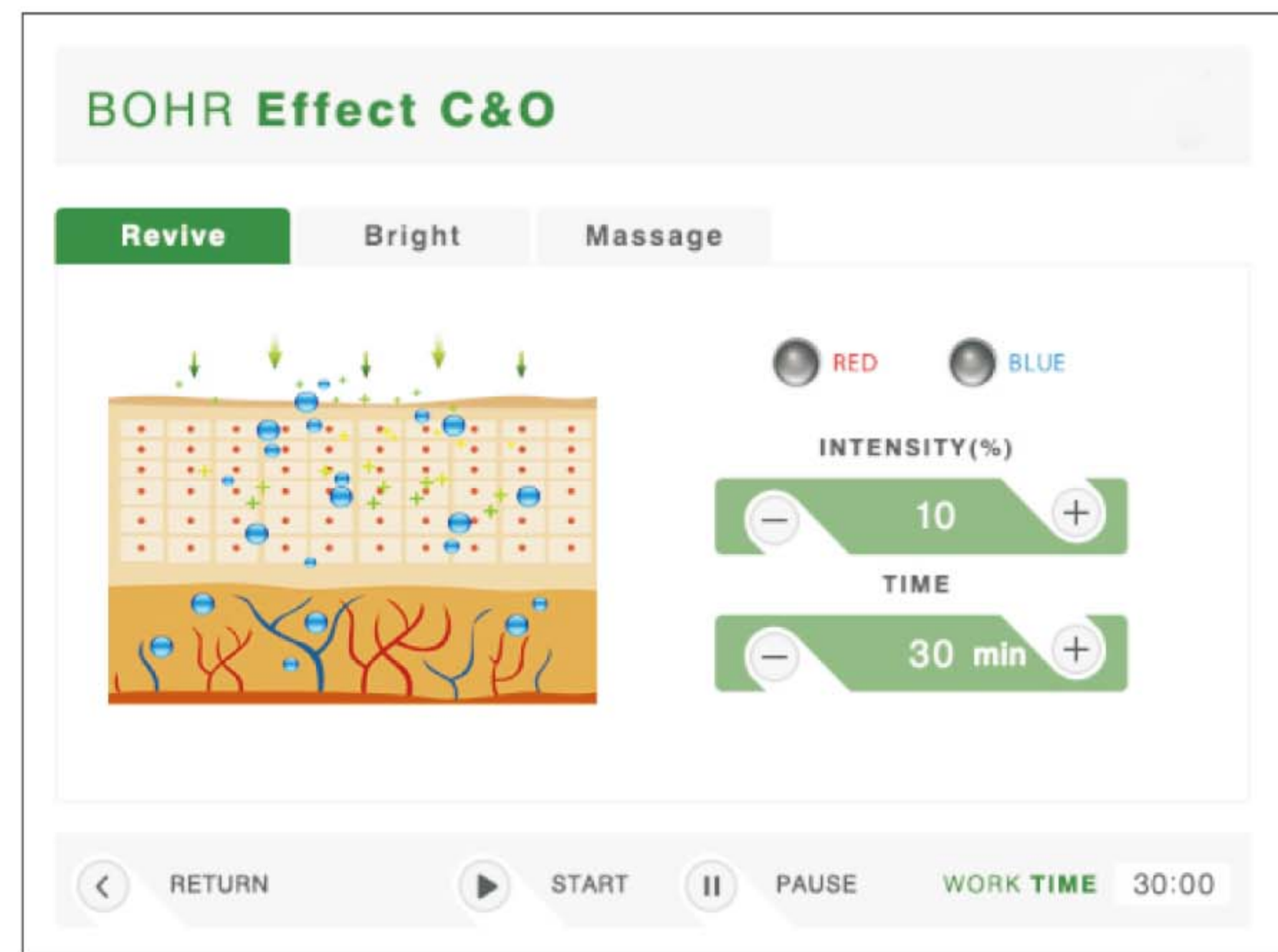
(Fig 1)

# BOHR Effect C&O

1. Click on “BOHR Effect C&O” in (Fig 1) to enter interface as (Fig 2).
2. The system default function is “Revive”, Click on “Bright” and “”Massage” to select other function.
3. Set LED color of handle. Click on “RED” or “Blue”. The indicator on handle will light up. If choose “RED” and “Blue”, the indicator color is purple.
4. Set intensity. The system default intensity is 10%. Click on “-” and “+” to choose. “Revive” adjust range is 10% to 30%. “Bright” adjust range is 10% to 60%. “massage” adjust range is 10% to 100%.
5. Set work time.
6. Conenct Carbon oxygen head on BOHR Effect C&O handle.
7. Apply gels on operating parts. Click on “Start” , The system in pre-start states. If you need to pause, Click on “Pause”.
8. Beautician press “start” key on handle, The beautician holds the handle and moves slowly in circle. you can press “+” and “-” in handle to adjust intensity. The function is the same as interface.
9. The system will pause automatically if setting time is over. press any key to continue.
10. Click on “Return” to back to (Fig 1).

## Cautions

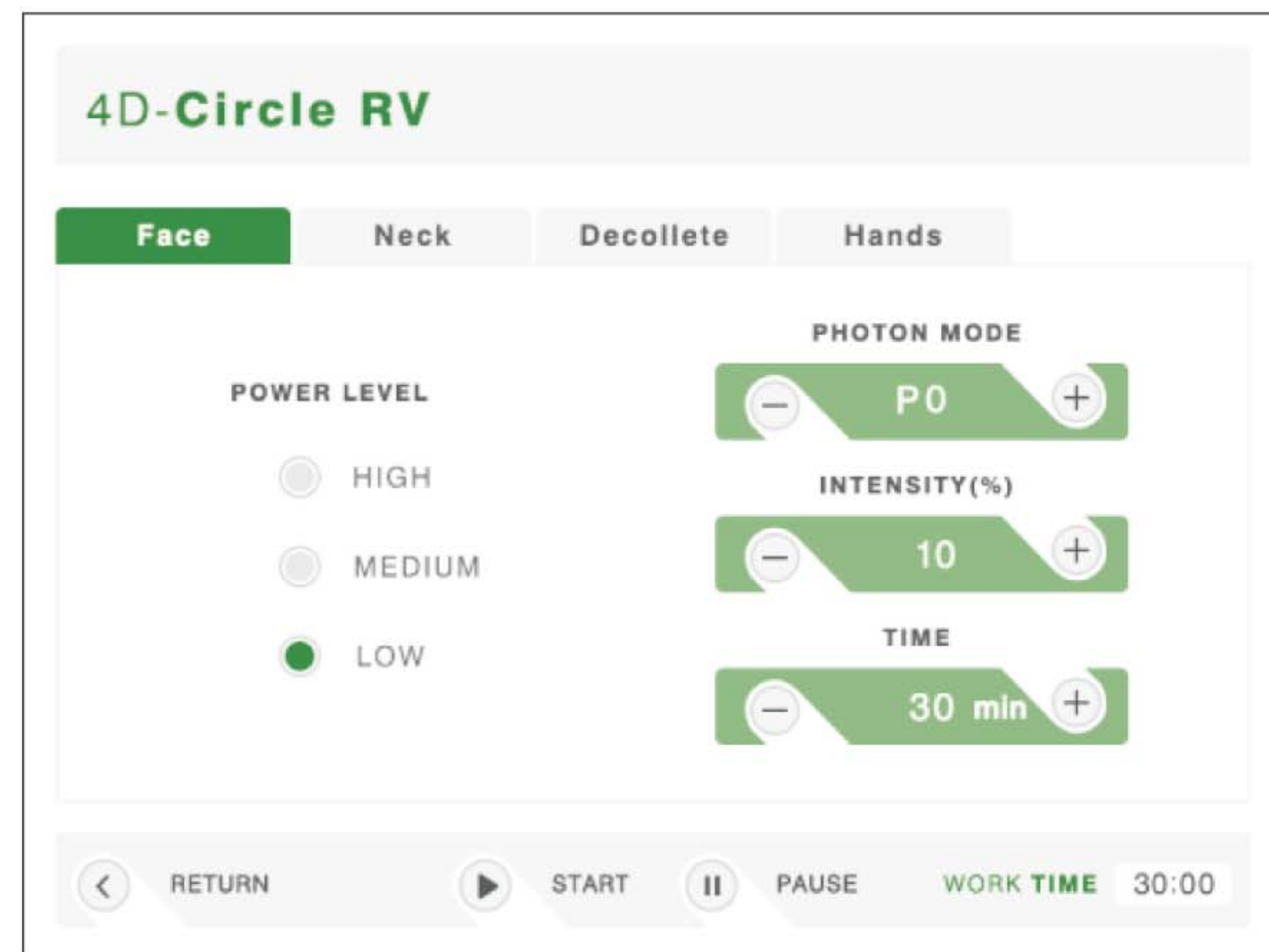
1. Do not use on wound skin.
2. Carbon oxygen heads are consumables, after used, please replace in time.



(Fig 2)

## 4D Circle RV

1. Click on “4D circle RV” in (Fig 1) to enter interface as (Fig 3).
2. The system default operating parts is “Face”. Click on “Neck”, “Decollete”, “Hands” to choose deferent parts.
3. Set Power level. The system default power level is “Low”, Click on “Medium” and “High” to choose deferent level .



(Fig 3)

4. Set photon mode. The system default mode is P0(Off). Click on “-” and “+” of “photon mode” to set P1 is continuous light. P2 to P4 is pulse light.
5. Set intensity. The system default work intensity is 10%. Click on “-” and “+” of “intensity” to regulate. Low level is 10% to 30%. Medium level is 10% to 60%. High level is 10% to 100%
6. Set work time.
7. Apply gels on operating parts. Click on “Start” , The system in pre-start states. If you need to pause, Click on “Pause”.
8. Beautician press “start” key on handle, The beautician holds the handle and moves slowly in circle. Do not stop at the same parts without operating. you can press “+” and “-” in handle to adjust intensity. The function is the same as interface.
9. The system will pause automatically if setting time is over. press any key to continue.
10. Click on “Return” to back to (Fig 1).

### Cautions

1. Beautician should wear insulated gloves during operation.
2. Do not wear any aglet, both for the beautician and the users.
3. The electrode probe must be fully in contact with skin.
4. Do not make the electrode stay on any part without moving. Keep it moving on skin slowly.
5. Skin around eyes and forehead is very thin, the output intensity should be relatively weakened.
6. Do not contact skin with unipolar when using of 4D circle RV work head otherwise it will produce pulse discharge, gel paste etc. Products like gel maybe evaporated into a mist.
7. Do not let the laser light straightly shine upon the eyes in case of eyes hurt.

## Touch Screen Calibration

1. Before turn on the system, please click on the screen, don't move the finger, then turn on the Power Switch.
2. The prompts "Err0" is on the screen, "After releasing the key, we enter into the calibration procedure, Operating under the prompts of the screen". Then release your finger now.
3. Operating under the prompts:
  - (1) Press the cross dot in left-top "+".
  - (2) Press the cross dot in right-top "+".
  - (3) Press the cross dot in right-bottom "+".
  - (4) Click on the point (left top).
  - (5) Click on the point (right bottom).
4. Calibration screen is finished, the system enter "input password" interface.
5. Don't input the password, turn off the Power switch, reboot the system.

## Forbidden Group

1. People with heart disease or high blood pressure, or configured cardiac pacemaker.
2. Patients with acute inflammation, asthma, deep vein thrombosis, thyroncus, cancer.
3. People with hemorrhagic disease, trauma or who is bleeding.
4. Pregnant women
5. Medical Plastic parts, or parts with artificial in filling inside.
6. People with metal inside the body(include metallic tooth)
7. Patient with skin inflammation or with edema.
8. People with an abnormal immune system.
9. Numb or insensitive to heat.

## Technical Parameters

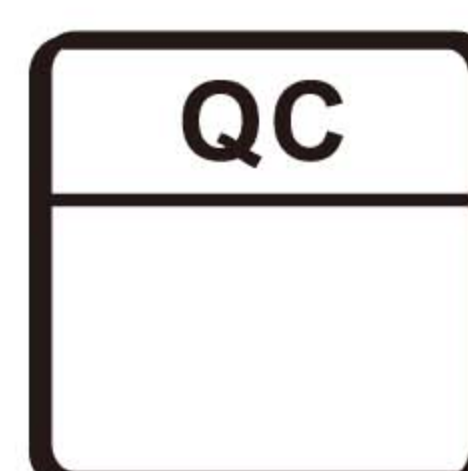
Input Voltage: AC100~240V 50/60Hz

Output Power: 36VA

Fuse: FL5X20\3.15A with buffer (with spare fuse)






# Packing List

1.Host	1SET	<input type="checkbox"/>
2.BOHR effect C&O handle	1PCS	<input type="checkbox"/>
3.4D-Circle RV handle	1PCS	<input type="checkbox"/>
4.User manual	1COPY	<input type="checkbox"/>
5.Power supply line	1PCS	<input type="checkbox"/>
6.Shiny and rehydrate head	1BOX	<input type="checkbox"/>
7.Exfoliation and tightening head	1BOX	<input type="checkbox"/>
8.Skin beauty gel	12PCS	<input type="checkbox"/>
9.Accessories frame	1PCS	<input type="checkbox"/>
10.Black countersunk hexagonal screw(M4X8)	4PCS	<input type="checkbox"/>
11.Hexagonal screw wrench(M2.5)	1PCS	<input type="checkbox"/>





## Symbols and Meanings

Warning Symbol	Meaning
 Danger	If used incorrectly will bring the risk of death or serious injury!
 Warning	If used incorrectly will cause possibility ill of death or serious injury!
 Attention	If used incorrectly will cause personnel injury or damage to the goods!
 Danger	Device exists high pressure risk of high voltage output terminals!
 Warning	If used incorrectly will cause personnel injury!

\*Things damage refers to housing, property, livestock and pet damage.

## Contraindications

1. The following symptoms were forbidden to use

- (1) Patients who used by Heart rate regulator, cardiac pacemaker, ECS;
- (2) The use of artificial bone; Patients with silicosis;
- (3) Drunk or high fever patients;
- (4) Patients with higher sensitivity mental disease and epilepsy patients
- (5) Patients with no independent expression consciousness and can not take care of themselves.
- (6) Patients with metal materials in body (including metal teeth), pregnant women, cachexia, malignant tumor.
- (7) Severe hypertension and severe patients with cardiovascular and cerebrovascular disease.
- (8) Patients with renal failure.
- (9) Patients with severe infection



2. The following please use under the guidance of professionals

- (1) Women during menstruation;
- (2) Children;
- (3) Hemorrhagic disease or trauma, inflammation, skin disease, skin infection;
- (4) Patients with feeling numb, no response to cold and heat;
- (5) The immune system has defects, scar formation history, physical disease;
- (6) The people who has taken face-lifting or her body has artificial thing.



## Maintenance

1. Appliances and medical equipment close to the machine may be resulting in operational failure due to interference.
2. Prohibit use of the equipment in the following environment
  - Hot and humid environment
  - Dusty environment
  - Environmental with much smoke or steam
3. If there comes a failure, please shut down the power immediately, and send it to the distributor or manufacturer for maintenance. Do not repair by yourself.

### 4. Exclusion of liability.

**The Company is not responsible for the following circumstances:**

- (1) If fire, earthquake, war occurred;
- (2) The fault of the user, operator error;
- (3) Damage caused by using other method (not included in the use manual).
- (4) Operate without the manual's guide.
5. Do not make the machine close to the wall, keeping a 30CM space around for cooling.

## Safety and Environmental Considerations

### Toxic and hazardous substances reference list

### Electronic information product pollution control and management measures

#### Table of contents of toxic and hazardous substances or elements

Part Name	Toxic and Hazardous Substance or Element						Remark
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)	
Plastic Board	○	○	○	○	○	○	
Printed Circuit Board	×	○	○	○	○	○	
Power Supply	×	○	○	○	○	○	
Accessory	×	○	○	○	○	○	

#### Declaration:

- The content of the restricted substances in all homogeneous materials of this part is below the limits set by the SJ/T11363-2006 standard.
  - ×
- The content of a homogeneous material in the part of the material is beyond the SJ/T11363-2006 standard requirements. The user's normal use of this product within the time limit of environmental protection, these substances or elements will not occur leakage or sudden change, will not cause the personal, property damage. For such substances or elements, the user shall not dispose of it yourself, please according to government regulations to the relevant departments of the government designated recycling.