

SW5-ED shock wave

VER: V1.0

USER MANUAL



Warning

Dear user:

Thank you for choosing our company carefully designed and manufactured products ,
in order to fully make use of the product, we sincerely suggests follow:

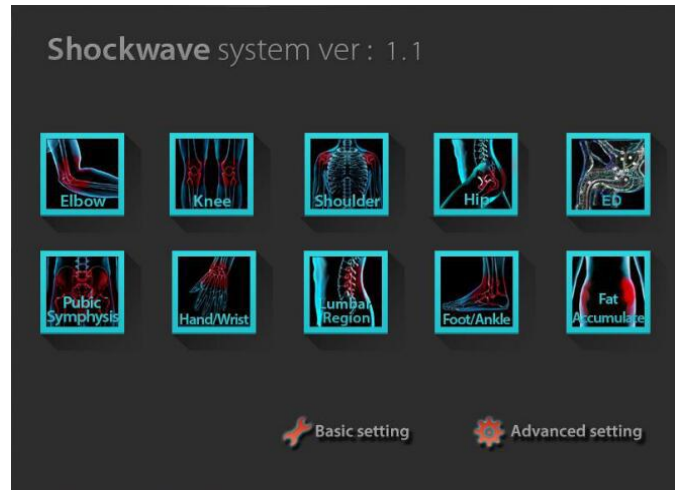
1. Please read the instrution in detail and keep it well for future reading and consulting .
2. Please following the instruction to fit and operate the machine carefully.
3. Please do not remove and change the any accessories of the machine.
4. It forbids others to open and remove the machine except the authorized people company
5. It forbids others to change and maintain the machine except the professional people

Please contact us if there is any trouble during opearation

Parts Instruction



1. Function selecting knob & Confirming button
2. Touch screen
3. Frame place
4. Shockwave work head jack
5. Service brake jack
6. General power switch
7. Power supply line switch



Accessories



Shock wave head



1#-5# handpiece

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



Handpiece for ED treatment

General Introduction

A shock wave is defined as a wave with a rapid increase of increase of pressure within a very short time and then having a gradual decrease of pressure with a small negative pressure phase. Shock wave is aimed at the affected areas that are the source of chronic pain. The influence of the shock waves causes to the dissolution of calcium deposits and leads to better vascularization. The after-effect is relief from the pain.

Shock wave has the following effects:

- >Cellular: Increase in cell membrane transmittance by improving ionic channels activity, stimulation of cell division, stimulation of cellular cytokines production.
- >Reproduction of vessels in the area of tendons and muscles: Improvement of blood circulation, increase in concentration of growth factor beta 1, chemotactic and mitogenic effect on osteoblasts.
- > Effect on nitrogen oxide system: Bone healing and remodelling.
- >Improvement of micro-circulation and metabolism.
- >Dissolution of calcified fibroblasts.
- >Support the production of collagen.
- >Reduction in tissue tension
- >Analgesic effect

Advantage

1. By the targeted application of the shockwaves, stress to the surrounding tissues is quite insignificant.
2. The body is not burdened by pharmaceuticals, except the short-term effect of local anaesthesia, if used.
3. The possibility of preventing the necessity of surgical intervention and its relevant hazards.
4. For some indications, such as Tennis Elbow, there is really no other effective treatment.

Basic Operation

1 Put accessories well and connect them to the host.

(1) Insert the plug of shockwave work head into [4] output jack.

(2) Insert the plug of service brake into [5] output jack.

(3) Choose appropriate handpiece. Hold the work head in one hand and unscrew the handpiece from the work head with the other hand (anticlockwise), screw the new handpiece tightly into the work head (clockwise).

2. Insert the plug of power supply line into [7] socket, turn on general power switch [6], put into the system default password "000000" or insert IC card correctly, the system enter interface as (Fig1) shows.

3 In interface as (Fig1):

(1) Click on "Basic setting" to select language, set time and date.

NOTICE: "Advanced setting" is only for engineering debugging, not for user.

(2) Click on the corresponding picture where you want to treatment of the screen to enter function interface,

4. This system include 10 function operation parts.

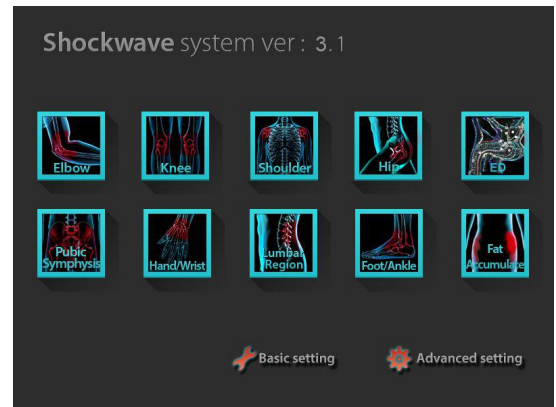
This use's manual use Elbow treatment for example.

In interface as (Fig1), click on "Elbow" to enter interface as (Fig2) shows.

5. In the interface as (Fig2):

(1) "Preselection 2500 Times" stands for when the system works to 2500 times every time, it will pause automatically. Please click on any place of the screen according to the hint.

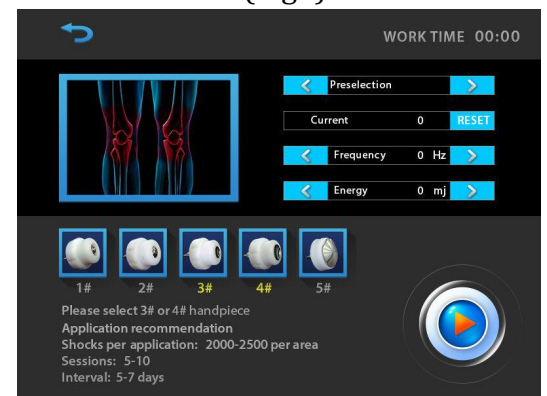
(2) "Current" stands for the working time of the current treatment course. Click on "RESET" to



(Fig1)



(Fig2)



(Fig3)

clear the number of current treatment.

(3) "Frequency 1Hz" stands for the system default work frequency is 1Hz, click on "<" and ">" to regulate.

The range is: 1Hz~16Hz.

(4) "Energy 60mj" stands for the system default work frequency is 60mj, click on "<" and ">" to regulate.

When the frequency is 1Hz to 12Hz, the energy range is : 30mj~185mj.

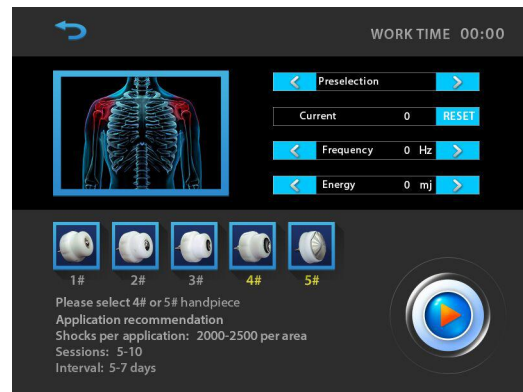
when the frequency is 13Hz or 14Hz, the energy range is : 60mj ~ 120mj.

when the frequency is 15Hz or 16Hz, the energy range is : 60mj ~ 90mj.

(5) Click on ">" key, the system is in standby state shooting. Beautician put the service brake under your feet, Step on to start working, move away for pause. Click on "||", the system pause.

6. This machine can click keys on the touchscreen to set the working parameters, it also can use [2] Function selecting knob & Confirming button to set. Turn the knob when you choose the function, the icon. move to right place, then press knob [2] to confirm.

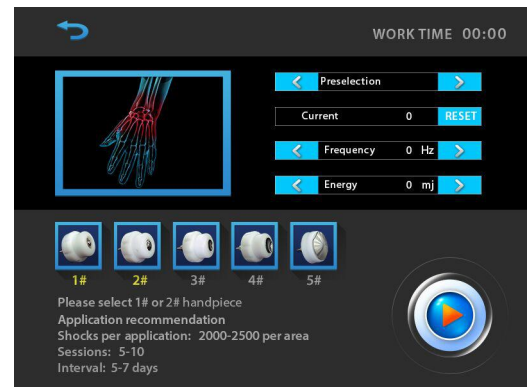
7. This use's manual use touchscreen for example.



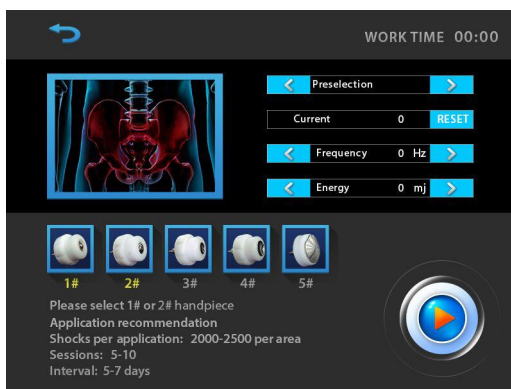
(Fig4)



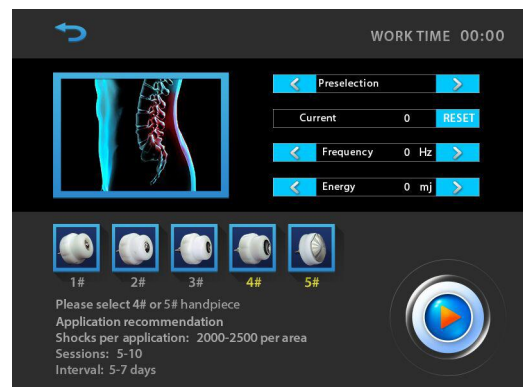
(Fig5)



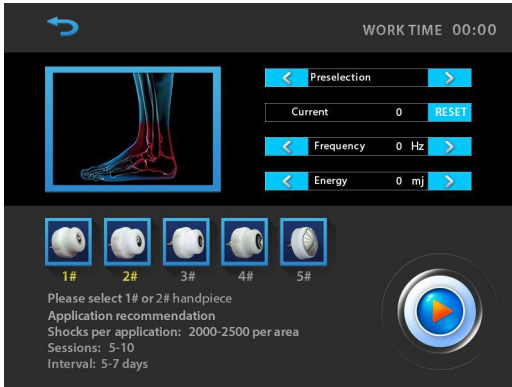
(Fig6)



(Fig7)



(Fig8)



(Fig9)



(Fig10)

Operation

1. Clean the treatment part.
2. . According to the treatment part to select appropriate handpiece.
3. Set suitable frequency (the max range is 1Hz~16Hz) and energy (the max range is 30mj~185mj).
The ED functions frequency is from 1-16Hz, The intensity is from 5-30mj
4. Operating on. Beautician hold the work head in one hand and place the handpiece on area/point of treatment just ok. The weight of the work head means that it is normally not necessary to apply pressure to the treatment area/point.
5. Clean the leftovers with hot towel, use warm towel to clean the work head after treatment.

Cautions:

1. Do not use gel or other lubricants on the treatment parts, preventing the lubricants get into the work head.
2. Despite high internal damping as a result of the weight and design of the work head, continuous vibrations may cause strain to the user's hand.
3. To avoid heat accumulation in the work head, it is essential to ensure that the air vents at the top and particularly on the base of the work head are not blocked by the hand holding it or anything else.
4. Applicator head are expendable parts and must be replaced after a certain period functionality.

Conter indications

- 1.Application to certain tissues: The eyes and the surrounding area, the myocardium, the spinal cord, the gonads, the kidneys and the liver.
- 2.Blood disorders, coagulation problems or the use of anticoagulants.
- 3.Polypus in the area of treatment.
- 4.Thrombosis.
- 5.Tumor diseases.
- 6.Polyneuropathy.
- 7.Growing cartilage in children.
- 8.Therapy using corticoids.
- 9.Inapplicable on areas of the body and organs with possible gas content.
- 10.Inapplicable on areas in proximity to large nerve bundles, blood vessels, the spinal cord and the head.

Possible Side Effects

- 1.Erythema or swelling can temporarily occur in the treated area.
- 2.Loss of bodily sensation or itching can temporarily occur in the treated area.
- 3.Skin damage after previous corticoid therapy.
- 4.Shockwave application can cause undesirable heart activity.

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 "Error" 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 filing 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: AC 220V/50 110V/60Hz

Output Power: 230VA

Packing list

1. Host	1SET
2 Shock wave work head	1PC
3. Serice brake	1PC
4. Handpiacs	1SET(7PCS)
5. Frame place	1PC
6.Power supply line	1PC
7. User manual	1COPY