Pneumatic shock wave
USER GUIDE

DualWave Light

Warning

Dear user:

Thanks for using our device, to make sure a correct operation, following points must be noted:

Please read this guide in detail and keep it well for reference.

◆◆Please follow the guide to assemble and operate the machine correctly.

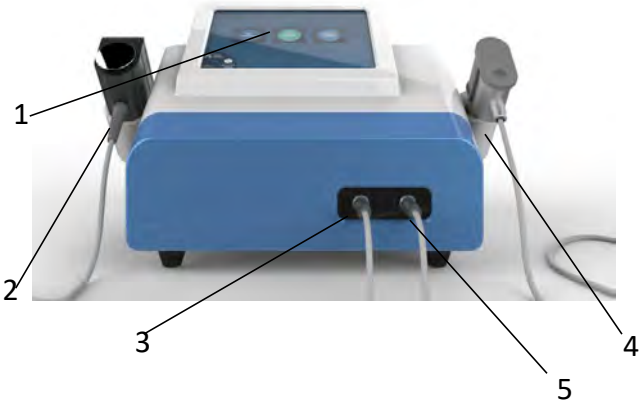
◆◆Please do not remove and change any accessories of the machine.

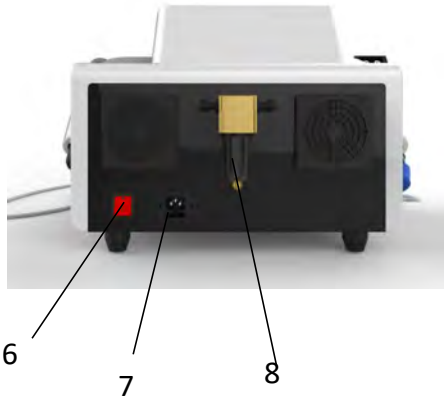
◆◆Open the machine is not allowed except authorized or instructed by manufacturer

◆◆Please contact us if there is any problem during operation.

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

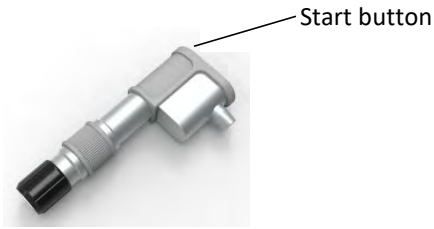
Parts Introduction





1. Screen
2. E-shock hand piece supporter
3. E-shock hand piece connector
4. A-shock hand piece supporter
5. A-shock hand piece connector
6. Power Switch
7. Power socket
8. Filter cup

Pneumatic Handle Accessories



Shockwave work handle

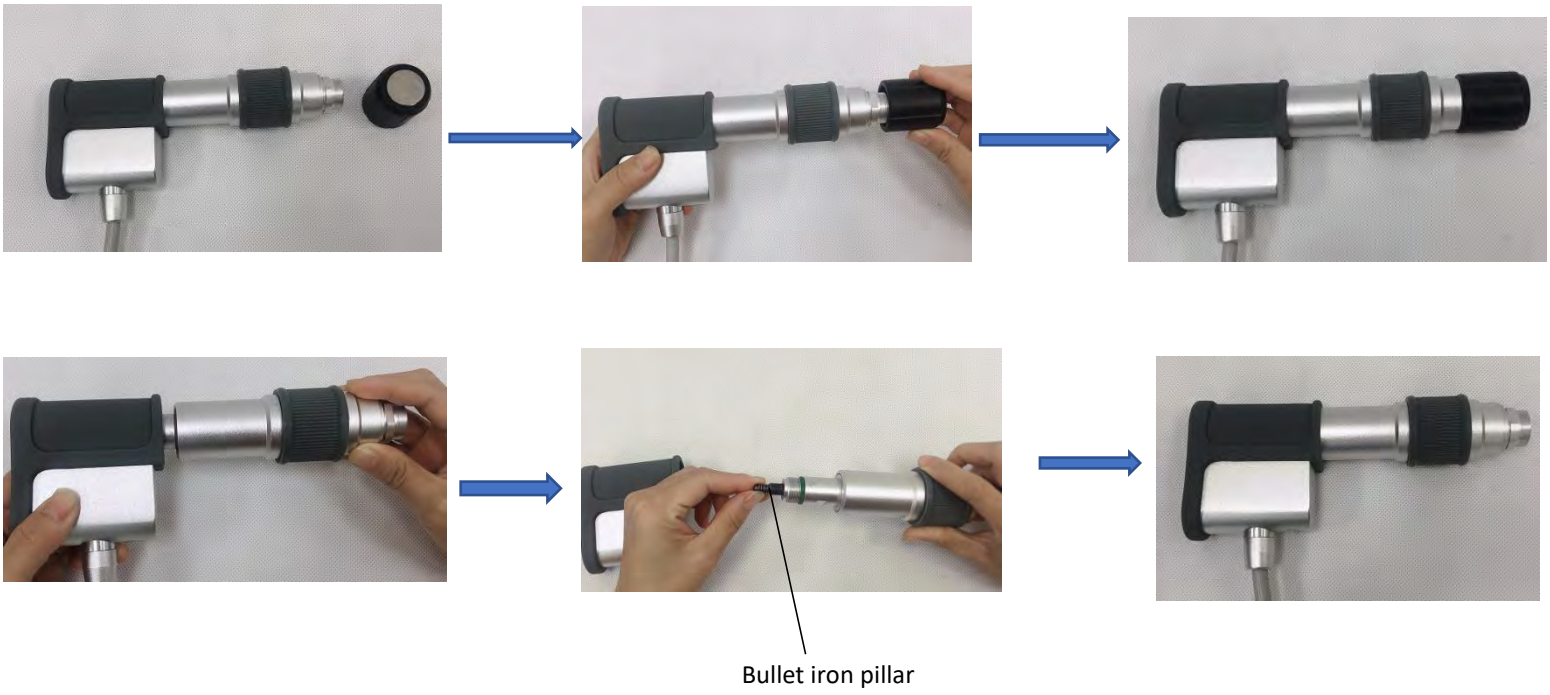
12PCS work head

About Flat Radial Focus form

Flat form: 25MM 20MM 15MM 10MM 6MM
Focus form:25MM 20MM 15MM
Radial form:25MM 20MM 15MM

1.Flat form: Direct impact on the treatment parts.
2.Focus and Radial Form: The focus form is deep self-focusing, and the radial form is the middle layer focusing. The focus form can speed up the wave energy and focused on the treated body part. The radial form can spread the shock wave evenly and the treated area is larger.

Replace Adapter



1.To change bullet, hold the handle in one hand and the other hand use combination wrench to clockwise to tightening. please ensure the head is installed firmly. Otherwise the hand piece is easy to broke.
2.When the impacting number reach to 2 million, need to replace the bullet. Hold the handle in one hand and unscrew the front part of handle anticlockwise. Put into new bullet and install the front part.

Electromagnetic Handle Accessories

Note:

Showing real temperature of inside coil of hand piece, when temperature up to 80 degree, must stop work for 30 minutes.

1# ~ 7# heads (NO. 6 and 7 for ED therapy)

Advantage

1.By the targeted application of the shockwaves, stress to the surrounding tissues is quite insignificant
2.The body not burdened by pharmaceuticals, except the short-term effect of local anesthesia 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.

General Introduction

A shockwave 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. shockwave is aimed at the affected area that are the source of chronic pain, the influence of the shockwaves causes to the dissolution of calcium deposits and leads to better vascularization. The after-effect is relief from the pain.
Shockwave 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 beta1, chemotactic, and mitogenic effect on osteoblasts.
>Effect on nitrogen oxide system: Bone healing and remodeling.
>Improvement of micro-circulation and metabolism.
>Dissolution of calcified fibroblasts.
>supports the production of collagen.
>Reduction in tissue tension
>Analgesic effect.

Shock wave General Introduction

Shockwave, or Acoustic Radial Wave Therapy works by stimulating the fat breakdown, collagen synthesis, and lymphatic drainage. Our shockwave is delivered by placing a probe up against the areas of cellulite, as it passes over the area it emits radial waves through the skin.

The treated cells are then flushed away through the body's natural removal process and continues for up to 3 months.

Shockwave is most often used to counter cellulite wherever it appears on the body – especially on the outer and inner thigh area and buttocks.

How It Works

Powerful sound waves are used to stimulate microcirculation within the fat layer, increasing the metabolic function of the area.

Free fatty acids and glycerol are released from the fat cells and sit in the intercellular space. Natural metabolic systems then remove these waste products from the body.

At the same time the sound waves stimulate connective tissue giving the skin a firmer tone and reducing dimples on the skin's surface.

Basal Operation

1.All accessories well connected

(1) Insert the plug of shockwave work handle into (3) and (5) output jack.

(2) Choose right heads. hold the work handle in one hand and unscrew the head from the work handle (anticlockwise).

screw the new head tightly (clockwise).

2.Insert the plug of power wire into (7) socket turn on power switch (8), and need to input password “888888” (Fig1), the system enter interface as (Fig 2) shows.

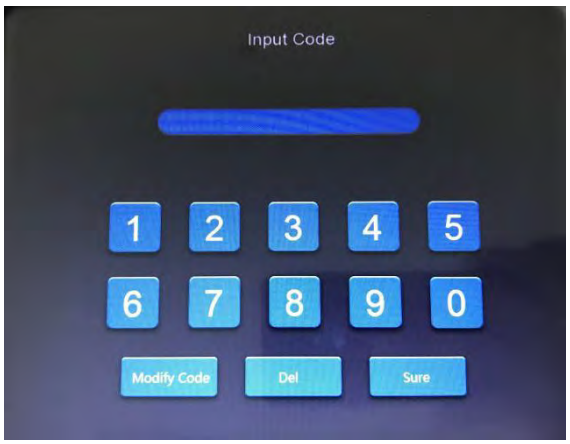


Fig 1

Fig 2

3. In interface as (Fig 2):

(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 icon on the screen which you want to operate on, the system will enter the operation interface automatically.

4.If you enter the ED interface, E-SHOCK interface, A-SHOCK Interface. In interface as (Fig 3) (Fig 4) (Fig 5) shows.

Fig 3

Fig 4

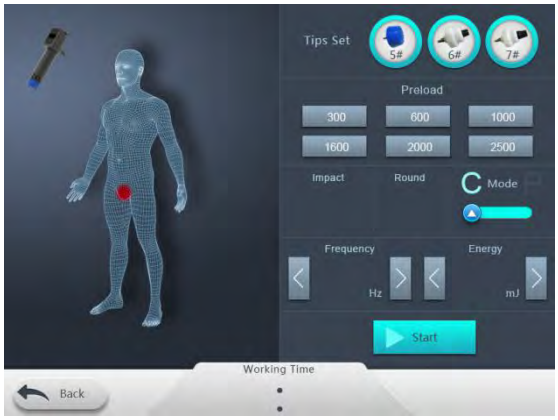


Fig 5

A-shock operation

Fig 6

Click A-shock enter to Fig 6

5.This system include10 different body parts.

You can click each button to enter the function

In the right column, when you click different button

the mannequin figure will show you different body check

chapter Following is the list of different position:

(1) Hand/wrist

(2) Elbow

(3) Pubic symphysis

(4) Knee

(5) Foot/Ankle

(6) Shoulder

(7) Lumbar Region

(8) Hip

(9) Fat accumulates

(10) ED

6. Each operation part is programmed with two automatic modes, C mode and P mode.

C mode is comfortable mode, softer, suitable for customers with weak tolerance;

P mode is professional mode, greater intensity based on clinical recommendations.

Both modes have parameters that have been set, including the default intensity, frequency, and number of impacts.

The automatic mode can also be adjusted freely to adjust to the most suitable parameters with touch screen.

6.Each operation part is programmed with 6 different Preload for you to choose

The system will automatic recommend preload for different body part

Also you can chose what preload you want

7. This User's manual use "Hand/wrist" treatment for example.

In interface as Fig 7

(1). Apply gel to the treated body parts;

(2). Click on "Hand/Wrist" The system recommends D6 and D20(including flat form focus form and radial form. Choose which head depend on patient

(3). Install the recommended tip on the handle;

(4). Chose the mode you need, for example, select "C mode";

(5). Click the "Start" button on the screen;

(6). Close the handle to the body area of the treatment, click the "Start" button on the handle control panel to start working.

(7) "Preload 600" stands for when the system works to 600 impacts every time, it will pause automatically. Please click on any place of the screen to restart.

(8) "Impact" represents the number of shocks;

(9) "Round" represents the number of rounds completed; (600 impacts are one round)

(10) “Frequency 6HZ” stands for the system default work frequency is 6HZ,
click on"<” and “>” to adjust. The range is :1HZ-21HZ

(11). “Energy 2BAR” stands for the system default work frequency is 2BAR,
click on “<”and “>”to adjust. The range is 0.5BAR-6BAR.

(12). During operation, hold the work head in one hand. Target the hand piece on area/point of treatment. while impacting, can move the handle slightly in order to cover the whole area. After the pre-load impact is finished, and restart the next round.

(13). use warm towel to clean the work head after treatment.

Fig 7

Following are two automatic mode parameter tables for different body parts.

Application Treatment Recommendation					
Area	**C Mode**	**P Mode**	**Time**	**Sessions**	**Interval**
Elbow	10HZ/3BAR	12HZ/4BAR	2000-2500	5-10	5-7days
Hand/Wrist	6HZ/2BAR	10HZ/3BAR	2000	5-10	5-7days
Pubic Symphsis	8HZ/3BAR	13HZ/60HZ	2000-2500	5-10	5-7days
Knee	6HZ/2BBAR	10HZ/4BAR	2000	5-10	5-7days
Foot/Ankle	8HZ/3BAR	12HZ/3BAR	1000	5-10	5-7days
Shoulder	12HZ/4BAR	10HZ/5BAR	2000-2500	5-10	5-7days
Lumbar Region	10HZ/4BAR	13HZ/6BAR	2000-2500	5-10	5-7days
Fat accumulate	10HZ/4BAR	13HZ/6BAR	2000-2500	5-10	5-7days
Hip	12HZ/4BAR	18HZ/6BAR	2000-2500	5-10	5-7days
ED	5HZ/0.5BAR	8HZ/1BAR	1500	2-3	twice a week

E-shock operation

Click E-shock enter to Fig 8

This system include10 different body parts.

8.Each operation part is programed with two automatic modes,

C mode and P mode.

C mode is comfortable mode, softer, suitable for customers with weak tolerance;

P mode is professional mode, greater intensity based on clinical recommendations.

Both modes have parameters that have been set, including the default intensity, frequency, and number of impacts.

The automatic mode can also be adjusted freely to adjust to the most suitable parameters with hand piece or touch screen.

Fig 8

(1). This User's manual use "Elbow adipose tissue" treatment for example.

In interface as (Fig 8),

(2). Apply gel to the treated body parts;

(3). Click on "Elbow" to enter the treatment screen;

(4). Install the recommended tip on the handle;

(5). Chose the mode you need, for example, select "P mode";

(6). Click the "Start" button on the screen;

(8). Close the handle to the body area of the treatment, click the "Start" button on the handle control panel to start working.

(9) "Preload 2000" stands for when the system works to 2000 impacts every time, it will pause automatically.

Please click on any place of the screen to restart.

(10) "Impact" represents the number of shocks;

(11) "Round" represents the number of rounds completed; (2000 impacts are one round)

(12) "Frequency 10HZ" stands for the system default work frequency is 10HZ,

click on"<" and ">" to adjust. The range is :1HZ-16HZ

(13). “Energy 50MJ” stands for the system default work frequency is 50MJ,
click on “<”and “>”to adjust. The range is 50MJ-200HJ.
When the frequency is 1Hz to 13HZ, the energy is 50-200MJ;
When the frequency is 14Hz, the energy is 50-150MJ;
When the frequency is 15HZ, the energy is 50-130MJ;
When the frequency is 16HZ, the energy is 50-100MJ.

Following are two automatic mode parameter tables for different body parts.

Application Treatment Recommendation					
Area	C Mode	P Mode	Time	Sessions	Interval
Elbow adipose tissue	13HZ/100MJ	12HZ/100MJ	2500	5-10	5-7days
Arm cellulite	10HZ/100MJ	12HZ/150MJ	2500	5-10	5-7days
Celluite abdominal	12HZ/150MJ	13HZ/180HZ	2500	5-10	5-7days
Celluite lateral thigh	8HZ/130MJ	10HZ/150MJ	2500	5-10	5-7days
Knee adipose tissue	6HZ/130MJ	10HZ/130MJ	2500	5-10	5-7days
Shoulder and neck	12HZ/150MJ	13HZ/180MJ	2500	5-10	5-7days
Waist cellulite	10HZ/130MJ	13HZ/150MJ	2500	5-10	5-7days
Buttock cellulite	10HZ/150MJ	13HZ/180MJ	2500	5-10	5-7days
Celluite inner thigh	12HZ/180MJ	13HZ/200MJ	2500	5-10	5-7days
Leg cellulite	15HZ/130MJ	16HZ/100MJ	2500	5-10	5-7days

ED Control Panel Description

Fig 9

Click the interface (Fig2)
to enter interface as (Fig 9).

△Click “**ED**” to enter interface as (Fig 9)

1.It programed with two automatic modes, C mode and P mode.

The default parameter of **C mode**:

300 impacts per time, Frequency 3HZ, Energy 5MJ.

The default parameter of **P mode:**

600 impacts per time, Frequency 10HZ, Energy 15MJ.

Both of two automatic modes can be adjusted freely with hand piece or touch screen.

2.The frequency of ED treatment is 1-10HZ. The recommended frequency is 3-8HZ.

The energy of ED is 5 10 15 20 25 30MJ, please adjust the energy according to the customer's feeling from low to high during operation

3.Treatment Programs

(1) Target to spongy tissue in 5 different areas

(2) 300 impacts per area, total 1500 impacts in one treatment

(3) Twice a week, treat consistently for 3 weeks, then stop for 3 weeks.
And start next course.

(4) Should be more impacts at the top end of penis, and Less impacts at the bottom of penis.

PS: This program is only for reference. Please follow the doctor's advice.

4. Operation guide

(1) Choose the 6# and 7# exclusive ED treatment work head, Along the 5 areas of the spongy tissue, 300 impacts per area, total 1500 impacts in one round, about 20 minutes.

5# head for prostate

Cautions:

1.You can use a little gel or other lubricants on the treatment parts but do not use too more,
Preventing the lubricants get into the work head.

2.Despite high internal damping as result of the weight and design of the work head, continuous
Vibrations may cause strain to the user's hand

3.The adapter is easy wear please replace after use a period time.

4.The bullet iron pillar inside shock wave handle must replace when the service life is above two million times

Cleaning Methods:

Put some paper at the bottom of the filter cup rise the valve with your fingers let the liquid leak. Or remove it to pour out turn to left to unscrew turn to right to tightening.

Contraindications

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.Blood thinning medications.
4.Polypus in the area of treatment.
5.Pregnancy; Growing cartilage in children.
6.Tumor diseases, Thrombosis.
7.Polyneuropathy, Acute inflammation.
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.

Forbidden Group

1.People with heart disease or high blood pressure or configured cardiac pacemaker.
2.Patients with acute inflammation, asthma deep vein thrombosis 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 (in clue 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:AC220-230V50/60HZ AC110V50/60HZ
Output Power:300VA