

INTELECT PULS 1064

User Manual



Attention

Respected user:

Thank you for choosing the instruments which carefully designed and manufactured by our company.

In order to better utilize the product, we sincerely recommend:

- ◆◆ Please read this manual carefully before using the instrument.
- ◆◆ Please install, use and operate correctly according to the requirements in the manual.
- ◆◆ Do not disassemble or modify any parts of this machine.
- ◆◆ Except for authorized personnel of the company, it is strictly forbidden to open the cover and disassemble the host.
- ◆◆ Non-professionals are strictly forbidden to carry out repairs and renovations.
- ◆◆ If there is any malfunction during the operation, please contact us.

Due to continuous improvement, update, and replacement of the product, the products received may not be exactly same as the illustration in the manual. We sincerely apologize.

Notice: Please read this manual carefully before operating this machine

Maintenance Notes:

Do not install or remove handles from the outlet while the machine is powered on. Please refer to the "Instrument Maintenance and Care" section before use.

Instrument Maintenance and Care:

- Warning: Before conducting maintenance on this instrument, ensure to power it off and disconnect the power cord. Performing maintenance while powered can be harmful to both the power source and the equipment.
- The optical fiber is fragile. Do not bend it beyond the minimum bending radius during installation. Avoid placing pressure on the optical fiber, stepping on it, or pulling it forcefully. Handle the optical fiber with care during installation.
- It is strictly prohibited to dismantle the instrument. Please contact us if any issues arise.
- For the purchase or replacement of spare parts and to ensure the normal operation of the instrument, please contact the company directly.

Attention:

Customers are only required to perform daily cleaning and maintenance of the instrument or basic troubleshooting under the guidance of our company's engineering personnel. All other maintenance tasks should be carried out by the company's technical staff.

Maintenance:

After the treatment, we need to clean the bullet and the treatment head. If we use the shockwave handle frequently, it is better to clean them every day.

Shockwave + Laser Therapy Machine

【1】 Product Appearance (For reference only, subject to the actual product)



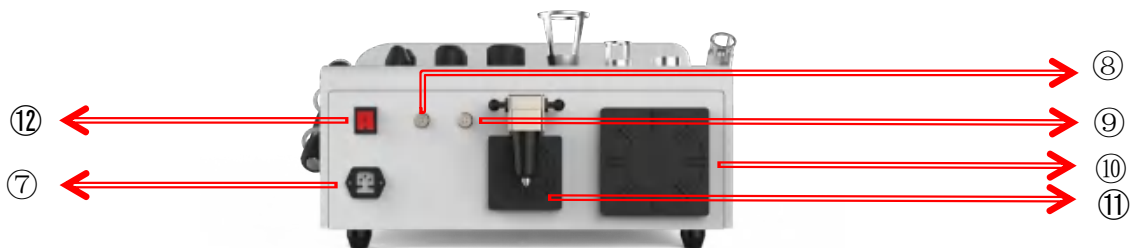
【2】 Part lists

Machine*1	Shockwave handle*1	Shockwave treatment heads*13	Shockwave bullets*2
Laser handle*1	Laser treatment heads*3	bullet casing*2	Power line*1

【3】 Technical Parameters

Shockwave energy	0.5-10Bar	Wavelength	1064 nm
Shockwave frequency	1-21Hz	Laser power	1-12 W
Shockwave shots	3 million shots	Laser frequency	0.2-20000 Hz
Shock wave working heads (for Pain Management)	6 PCS (D35, D25, D20, D15, D10, D6)	Laser pulse width	10us-3s
Shock wave working heads (for Spine)	3 PCS (C20, C28, C35)	Laser working heads	3 PCS (LASER SPOT-D10, LASER SPOT-D30, LASER SPOT-D60)
Shock wave working heads (for Fascia)	4 PCS (F-ACTOR1, F-ACTOR2, F-ACTOR3, F-ACTOR4)	Touch screen size:	12.1 inches
Gross weight	33KG		

【4】 Structure of the machine and how to install it

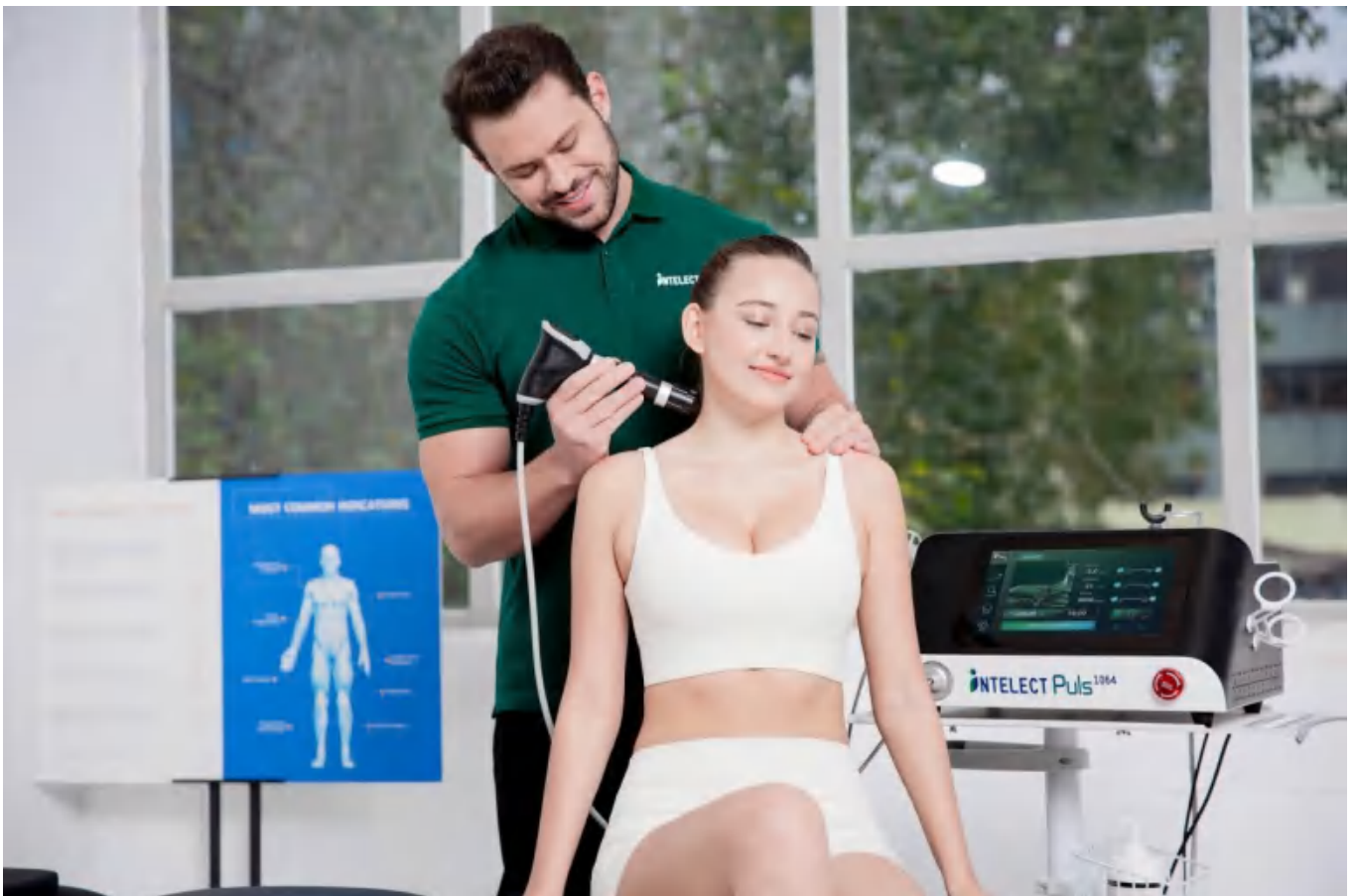


Structure:

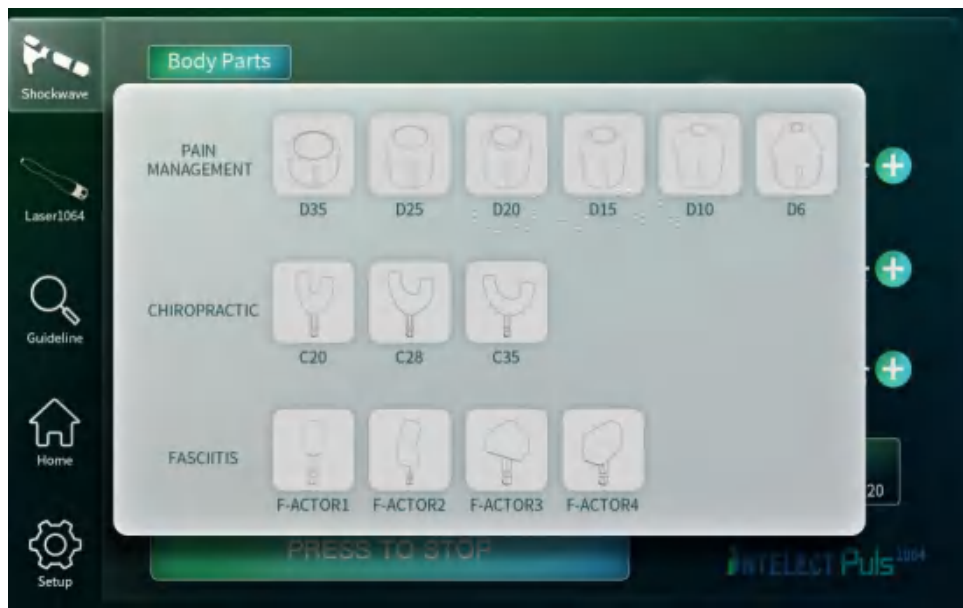
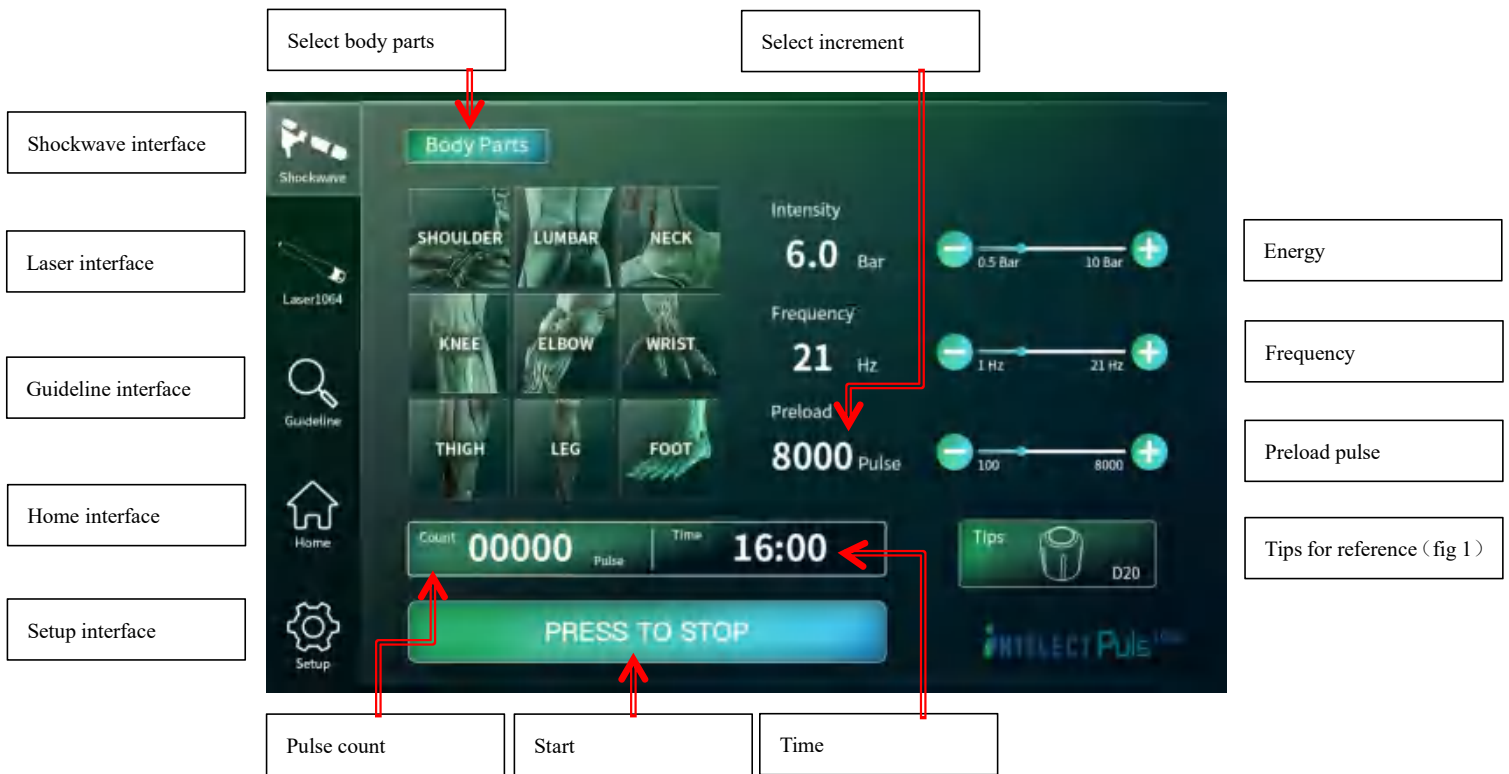
- | | |
|--------------------|-------------------------------|
| ① Laser handle | ⑦ Power socket |
| ② Touch screen | ⑧ Shockwave Attachment socket |
| ③ Shockwave handle | ⑨ Laser Attachment socket |
| ④ Workheads Holder | ⑩ Cooling fan |
| ⑤ Handle Holder | ⑪ Filter cup |
| ⑥ Power Switch | ⑫ Power switch |

【5】 Installation

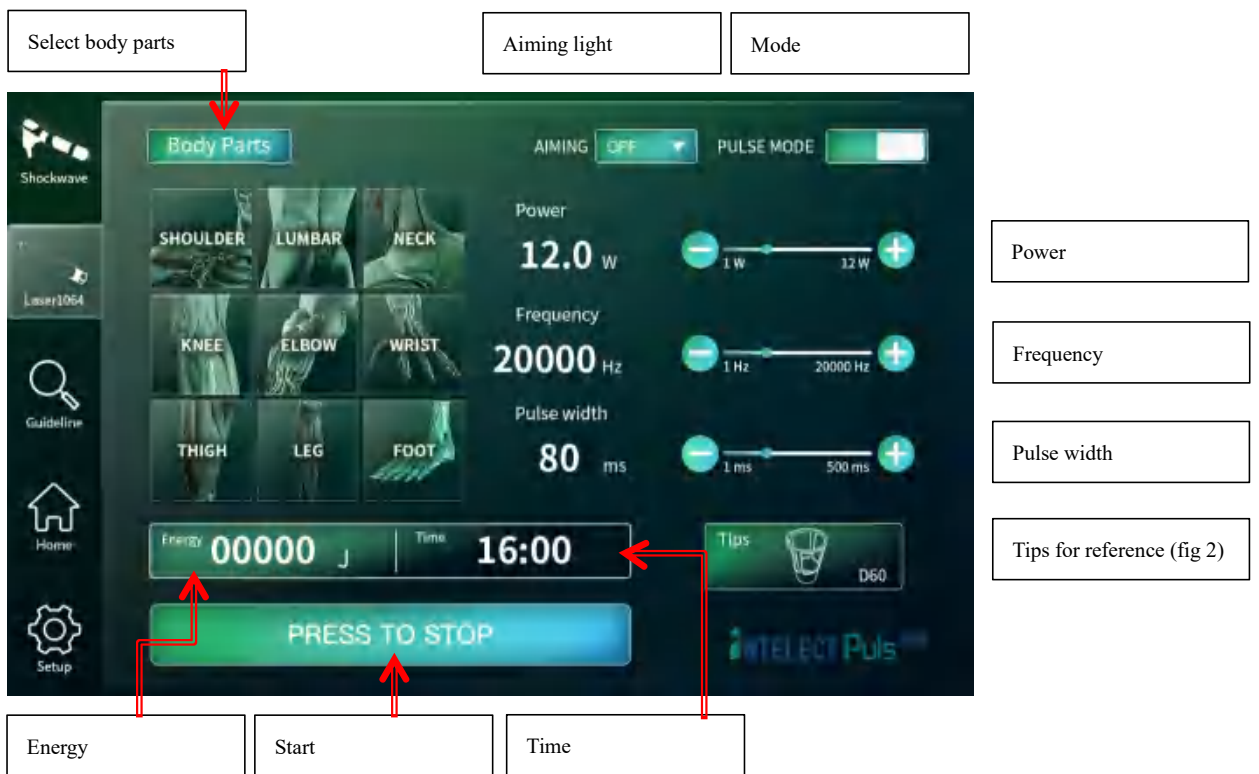
- (1) Make sure the power is off. (Do not install or remove handles from the outlet while the machine is powered on.)
 - (2) Connect the shockwave and laser handpiece to the attachment socket (⑧/⑨).
 - (3) Enter the password “888888”
 - (4) Select the corresponding function on the screen (②), choose the area, and use preset parameters or adjust the parameters manually.
- (3) You can replace different working heads of the shockwave or laser handpiece.
- For laser working heads, plug and unplug to replace.
 - For shockwave working heads, rotate and twist to replace.



【6】 Touch screen



(fig 1)



(fig 2)

Shoulder

Knee

Wrist

Foot

ED



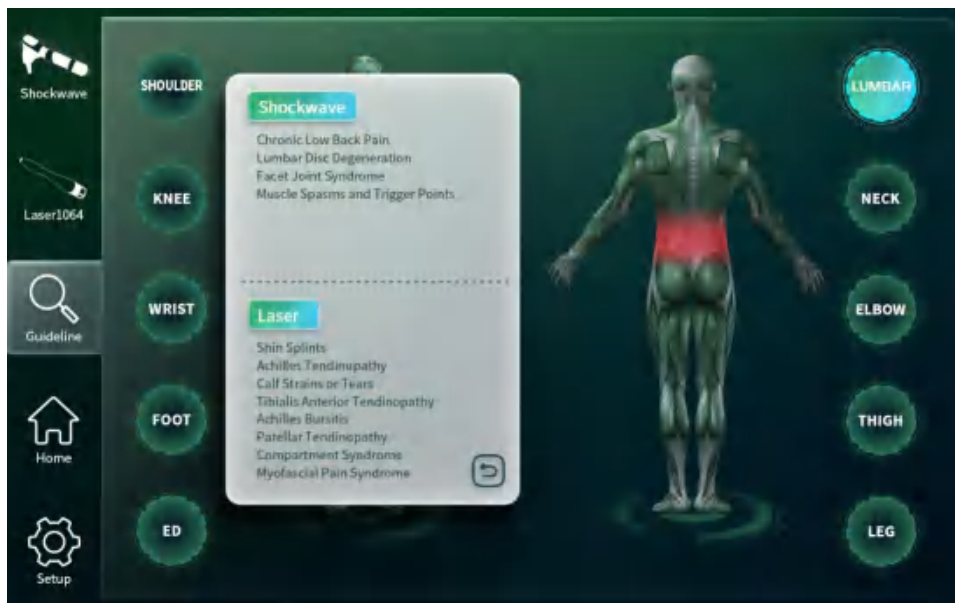
Lumbar (fig 3)

Neck

Elbow

Thigh

Leg



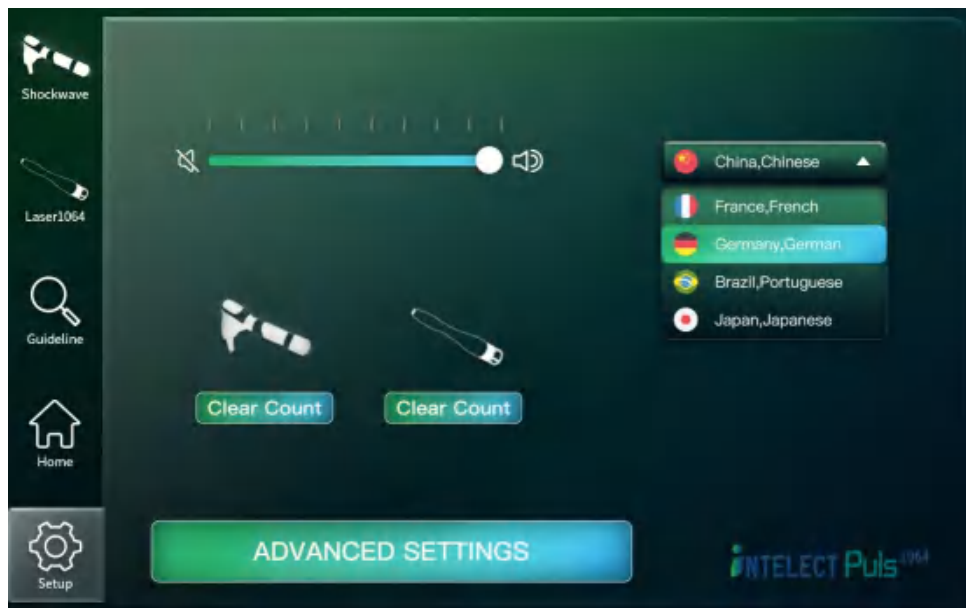
(fig 3)



(fig 4-Home interface)

Volume

Clear count



Language

【7】 Shockwave therapy

1. Treatment theory

Physiotherapy:

Shockwave therapy is a multidisciplinary device used in orthopaedics, physiotherapy, sports medicine, urology and veterinary medicine. Its main assets are fast pain relief and mobility restoration. Together with being a non-surgical therapy with no need for painkillers makes it an ideal therapy to speed up recovery and cure various indications causing acute or chronic pain.

ED treatment:

Most men suffering from erectile dysfunction have vascular problems affecting the vessels that supply blood to the cavernous bodies of the penis, resulting in a decreased ability to develop and maintain an erection.

Shockwave Therapy for ED of this type can be a highly effective treatment. The shockwaves are focused onto the area to be treated creating new blood vessels in penile tissue, enabling patients to achieve and maintain firm spontaneous erections.

Celluite Reduction:

Before

Enlarged fat cells push the skin up and compress the circulatory system, reducing inflow of nutrients and outflow of waste products. Diminished exchanges in circulation lead to a gradual stiffening of the connective tissue, pulling down on the skin. The push/pull effect creates the appearance of cellulite.

During

The mechanical action of shockwave disrupts the connective tissue to firm and smooth the skin. It causes neo-vascularization, improves circulatory exchanges (the root cause of the problem), leading to thicker, more elastic skin through collagen production.

After

The elasticity of the connective tissue is restored and the skin is smoother. The skin is thicker and more elastic with noticeable improvement to the skin texture.

2. **Indications**

- Sports injuries
- Tennis elbow
- Tendonitis
- Plantar fasciitis
- Frozen shoulder
- Achilles tendonitis
- Ankle, knee, shoulder, wrist injuries
- Erectile dysfunction
- Fat reduction

3. **Recommended treatment protocols for shockwave therapy**

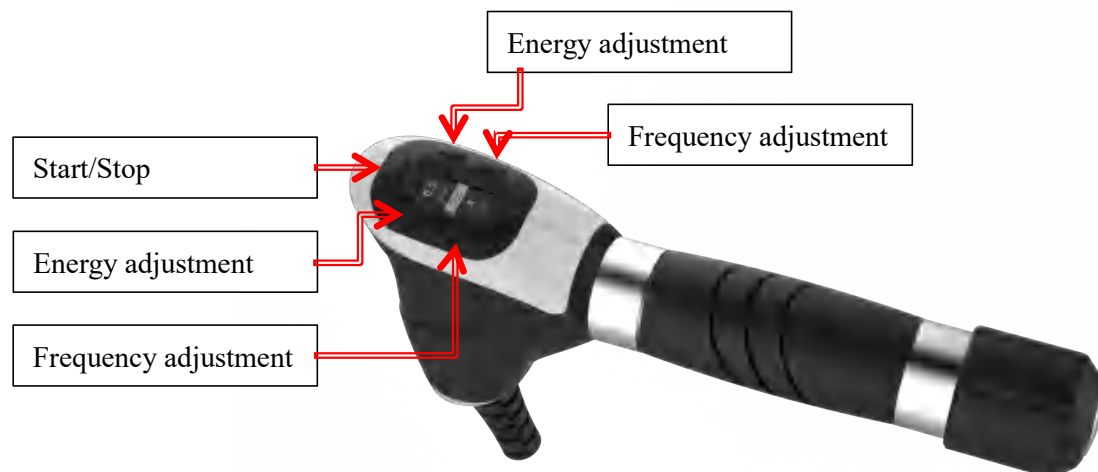
Area	Frequency/Energy	Shots	Sessions	Interval
Shoulder	10 Hz/7 Bar	2500	4-9	5-10days
Lumbar	10 Hz/7 Bar	2500	5-10	5-10days
Neck	7 Hz/6 Bar	1500	3-6	5-10days
Knee	10 Hz/5 Bar	2000	5-10	5-10days
Elbow	9 Hz/6 Bar	2000	3-6	5-10days
Wrist	8 Hz/5 Bar	1500	5-10	5-10days
Thigh	9 Hz/7 Bar	2500	5-10	5-10days
Leg	9 Hz/6 Bar	2500	5-10	5-10days
Foot	9 Hz/5 Bar	2000	5-10	4-8days



4. Recommended steps

Take “shoulder treatment” as an example:

- (1) Enter the body part selection page. Choose the “Shoulder” (Energy, frequency and preload shoots have been preset). We can also adjust the parameters based on the specific needs. Use the suitable treatment head based on the size of the treatment area.
- (2) Apply the gel to the back
- (3) Click on “Start” in the interface
- (4) Push the treatment head against the back
- (5) Press the “Start” button on the shockwave handle
- (6) Move the handle slightly
- (7) After the preload shocks finish, the handle will stop automatically
- (8) After the treatment, clean the treatment heads, bullet and inner structure of the handle



5. Contraindication

- Vascular diseases present in or near the treatment area
- Local infections in the treatment area
- Around malignant or benign tumours
- Directly on cartilage surfaces or near the small facet joints of the spinal column
- Directly over implanted electronic devices such as pacemakers, analgesic pumps, etc.
- In areas, in which mechanical energy in the form of vibrations may lead to tissue damage such as metal implants after a fracture



【8】 Laser therapy

1. **Treatment theory**

The high-power laser has various applications in the field of physical therapy, including:

Pain Management:

By targeting specific areas of discomfort, the laser can help alleviate pain associated with conditions such as arthritis, muscle strains, and joint injuries.

Tissue Repair:

The laser's energy can stimulate cellular regeneration and promote tissue healing, aiding in the recovery process for injuries or wounds.

Inflammation Reduction:

The laser's anti-inflammatory properties can help reduce swelling and inflammation, providing relief for conditions such as tendonitis and bursitis.

Improved Circulation:

Laser therapy can enhance blood flow and circulation to injured or damaged tissues, facilitating the delivery of oxygen and nutrients for faster healing.

Muscle Relaxation:

The laser's ability to penetrate deep into muscle tissue can help relax tight muscles, reducing tension and improving flexibility.

2. **Treatment steps:**

- (1) Remove perfume, makeup residue and sunscreen from the skin.
- (2) The operator needs to wear laser protective glasses during treatment. The patient can wear goggles or protective glasses or close their eyes, do not look directly at the laser.

(3) Set the parameters: Use physiotherapy plug. Without the focus ring. Suggested values for treatment parameters: The power is usually 15W or above, pulse width 30ms-50ms, frequency 5~6Hz. After about 6 seconds of fever, the energy is gradually increased, and the fever is not hot.

(4) Put the hand tool perpendicular to the skin, about 1cm away from the skin, and operate. Each area is about 900 shots each time, and the treatment is performed every other day. Pay close attention to the skin color changes of the treated area. If the skin becomes excessively red, reduce the output power in time, reduce the output power in time.

3. **Precautions:**

- **Laser Safety:** The damage caused by laser to the eyes is irreversible. Both the operator and any nearby individuals are required to wear laser protective glasses.
- **Not suitable for certain individuals:** This includes pregnant women, children, and anyone undergoing cancer treatment.
- **Prevention of adverse effects:** Prolonged exposure to laser irradiation or excessive heating leading to burns, tissue necrosis, and skin redness or burns around the nail should be avoided. Cooling measures should be taken when necessary.

Absolute contraindications: Pregnancy; thrombosis; coagulation disorders (hemophilia); tumor diseases; acute inflammation; presence of pus in the target area.

4. Recommended treatment protocols for laser therapy

Area	Energy	Mode	Frequency	Pulse Width
Shoulder	10	Continuous mode	/	/
Back	11	Pulse mode	18000 Hz	1 s
Neck	8	Pulse mode	20 Hz	1 s
Knee	9	Pulse mode	50 Hz	1 s
Elbow	8	Pulse mode	30 Hz	50 ms
Wrist	8	Pulse mode	50 Hz	1 s
Thigh	11	Continuous mode	/	/
Lower Leg	10	Pulse mode	15000 Hz	80 ms
Foot/Ankle	9	Pulse mode	80 Hz	1 s

