

Pulse II IPL machine

Model : AS20

User Manual



Notice

Dear Customer :

Thank you for choosing the well-designed and manufactured equipment of our company. In order to make the best use of our products, we sincerely recommend :

- Before using the instrument, please read this manual carefully and keep it in a safe place for future reference.
- Please correctly install, use, and operate according to the requirements in the manual.
- Do not disassemble the unit and modify any parts.
- Except for authorized personnel of this company, it is forbidden for others to open the cover and disassemble the host.
- Non-professionals are strictly forbidden to carry out repairs and alterations.
- If there is a problem during the operation, please contact us.

This product is not a medical device and should not be used as a medical treatment !

Product Introduction

AS10 is a collection of the most popular facial care items in one of the beauty equipment, the application of the core of the beauty field of skin rejuvenation technology, clinical effect is remarkable, has been proven to be safe and effective in different skin types and skin color skin.

At the same time, it adopts the three core technologies of E-LIGHT+SHR+YAG, the most advanced technology in the field of optical cosmetology, to effectively solve the two major problems faced by traditional optical hair removal: slow speed and pain; truly painless and fast. The hair removal brings a revolutionary change in optical hair removal that enables beauty lovers to fully enjoy the relaxing and comfortable hair removal process.

Product advantages

- 1、 The latest mobile phototherapy operating technology, fast and efficient.
- 2、 The latest single pulse technology, no pain, easy and comfortable hair removal.
- 3、 Plug-and-play plug-in connector, water and electricity separation design, safer, easier installation.
- 4、 Water flow, water temperature self-check system, self-correction system to ensure the safe operation of the machine.
- 5、 The unique shape design and color match make the product more beautiful and fashionable.

Technical principles

E-light - uses IPL and RF two-stage radio frequency technology to act on the entire dermis and connective tissue, stimulating different depths of collagen, rearranging and growing to achieve therapeutic effect, two-stage radio frequency release energy at the same time, using the skin to Selective absorption of light energy causes various lesions in the epidermis and dermis to produce photopyrogenic effects. Because its light energy requirements are much lower than the traditional IPL, it is possible to absorb more energy from various pigmented and

vascular lesions in the epidermis and dermis without damaging the epidermis, and to better eliminate these lesions. , to achieve the effect of treatment.

SHR - professional 640nm-950nm hair removal wavelength effective penetration depth can reach the hair papilla, continuous light guarantees that the target tissue will generate enough heat to inactivate the hair follicle and surrounding stem cells, hair follicle shrink hair stop growing; the latest single pulse technology and sapphire contact The operation head allows the operation and cooling to be performed synchronously, which not only eliminates the long-term effect of the hair, but also protects the normal skin tissue from being harmed, so that the customer feels more comfortable during the operation.

YAG technology - the use of laser instantaneously emits high energy to effectively break down the pigment in the diseased tissue, so that the irradiated pigment particles absorb the energy to expand and rupture. A part of the pigment breaks into tiny particles and is excreted, and part of it is swallowed by human macrophages. Through the lymphatic system excretion, thus eliminating pigment. Since the normal tissue does not absorb laser light of a fixed wavelength, the integrity of the cell framework is maintained, and no scar formation condition occurs.

Application

- Hair removal: Permanent hair removal, indecent hair (growth hair) throughout the body, including lighter hair.
- Freckle removal: Remove freckles, chloasma, sunburn spots, age spots, acne marks, facial scars.
- Skin Rejuvenation: Improve pores, rough skin, fine wrinkles, restore skin elasticity.

- Wrinkle: removes genuine, false wrinkles, anti-aging facial and body.
- Treatment of telangiectasia: red blood, facial flushing.
- Remove dark complexion, make the skin white, uniform color.
- Remove red, brown, brown and other color tattoos.
- Remove various tattoos, eyebrows, lips, tattoos, eyeliners and lip lines.

Radon treatment of pigmented skin lesions and mixed pigmentation, such as senile plaques, birthmarks, Ota, black mole and so on.

Technical Parameters


Light	Intense pulsed light	Wavelength	530-1200nm 、 480-1200nm 、 640-1200nm
Spot Size	10*40mm	Energy	1-50J/cm ²
Pulse width	0.1-7.0ms(SHR)	SHR frequency	1-10Hz
Laser Wavelength	1064nm/532nm (YAG)	Laser Type	Q-Swith Nd : YAG
Laser Energy	300-1500J/cm ²	Laser Frequency	1-10Hz
Play Screen	10-inch color touch screen	cooling system	Water-cooled + semiconductor refrigeration + air-cooled
Power	1200W	Voltage	AC220V /110V

Attachment List

Name	Quantity	Note
	1	
IPL Handle	1	Filter (530-1200nm、480-1200nm、 640-1200nm)
Laser Handle	1	
Laser Tips	3	532、1064、1320
Power	1	
Key	2	
Goggles	1	For Patient
Protect Glasses	1	For Operator
Funnel	1	
Fuse	2	For Reserve
Handle Rack	2	
Instructions	1	

Please check the accessories according to the product attachment list immediately after unpacking. If any missing or damaged items are found, please contact us within 24 hours.

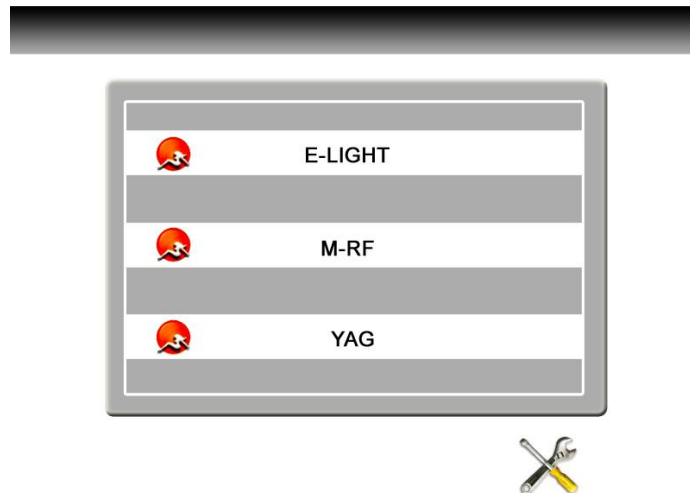
Installation

<p>first step</p> <p>Handpiece installation</p>	<ol style="list-style-type: none"> 1、 Take out the rack screws and install the rack; 2、 Connect the handgrip to the interface of the handpiece, respectively, and snap the buckle in place; then place the handlebar into the corresponding rack. <div data-bbox="525 638 868 808" style="border: 1px solid purple; padding: 5px; margin: 10px 0;"> <p>Ensure the below and above blue buttons pop-up and the snap joint is tight and appropriate when connecting a handpiece, otherwise it will be easy to cause inefficient flow that will burn out hand tool.</p> </div> 	<p>important</p> <p>Links</p>
<p>Second step</p> <p>Water injection</p>	<ol style="list-style-type: none"> 1、 Put the water injection hole and overflow hole sealing cap on the back plate of the host; 2、 The water injection funnel is screwed into the water injection hole, and water is injected into the instrument (pure water or medical distilled water) until water overflows from the overflow hole. 3、 Fill the overflow hole sealing cap with the water injection. The water injection hole does not need to be screwed with the sealing cap. 	<p>important</p> <p>Links</p>
<p>third step</p> <p>Instrument</p>	<ol style="list-style-type: none"> 1、 Check that there is no connection error in the circuit of the water circuit. If there is no water leakage at the connection, 	<p>important</p> <p>Links</p>

adjustment	insert the power cable and turn on the back panel to turn the power switch on and off. 2、 Rotate the emergency stop knob clockwise; turn the key switch clockwise to start the instrument.	
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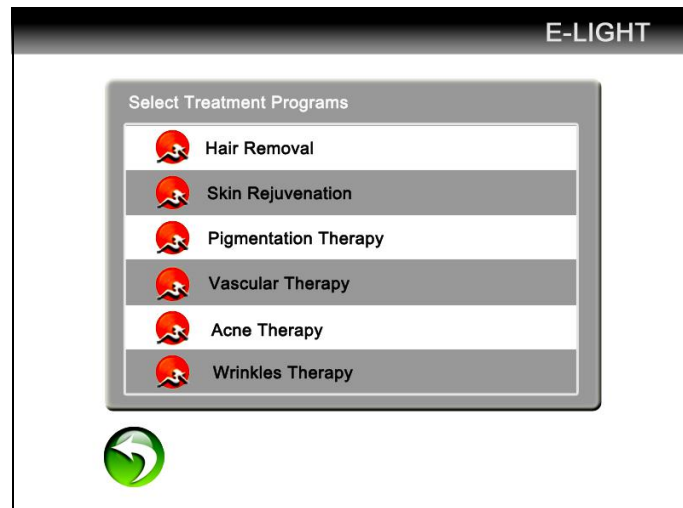
Operation Instructions

- 1、 After the instrument is started, the system automatically detects it. Click the standby screen to enter the function selection interface:

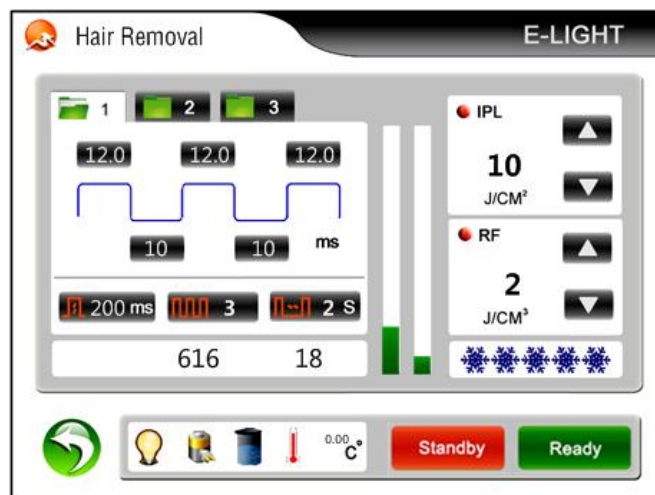


2、 E-LIGHT function instructions

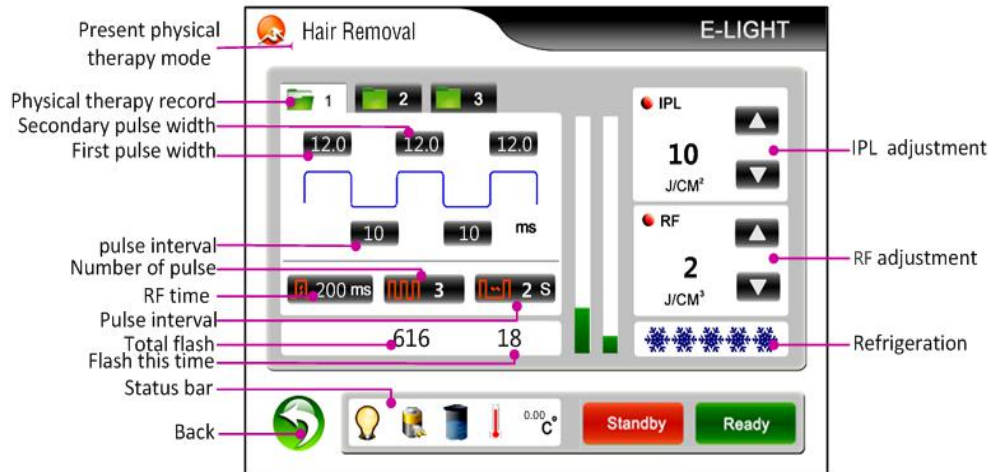
- ① Click "E-LIGHT" function to enter the treatment mode selection interface:



② Click on the hair removal treatment mode to enter the operation interface:



③ E-LIGHT function operation interface description:



Treatment records: Show current treatment records, can record different treatment parameters, in order to treat different customers, click to change the treatment record, there are 3 options.

Number of pulses: Refers to the number of strong pulses emitted by the system each time the trigger discharge occurs. The increase in the number of pulses increases the depth of light acting on the skin, and can be adjusted by directly clicking. The adjustment range is 1-5.

First Pulse Width : Refers to the first intense pulse on the working time of the skin ; Click on the font to turn red , Press below ▲ ▼ to adjust ; Click the font recovery white again to exit the setting before proceeding to the next step.

Sub-Pulse Width : The working time of the sub-pulse on the skin is not displayed when the single-pulse application is applied. Clicking the font becomes red , Press below ▲ ▼ to adjust ; click the font recovery white again to exit the setting before proceeding to the next step.

Pulse interval :Refers to the interval between pulse and pulse, click the font becomes red , press below ▲ ▼ to adjust ; Click the font recovery white again to exit the setting before proceeding to the next operation.

RF working time : Refers to the time when RF energy is applied to the skin, the adjustment range is 50-2500ms; click the font becomes red , press below ▲ ▼ to adjust ; Click the font recovery white again to exit the setting before proceeding to the next operation

Energy Working Interval :Refers to the interval between two light emission, direct adjustment can

be adjusted, the adjustment range is 1-5s.

Total Shots : The total number of times the instrument is emitting light.

Shots: Shows the number of times the instrument glows for this operation.


Status indicator : The lighting status, charging status, water level status, and water temperature status are displayed in order.


Return button : Used to return to treatment mode selection interface.

IPL Energy Adjust :Adjust the IPL energy output of the handpiece. During the adjustment process, the IPL energy display window will display the current output energy value.

RF Energy Adjust : Adjust the RF energy output of the hand tool. During the adjustment process, the RF energy display window will display the current output energy value.

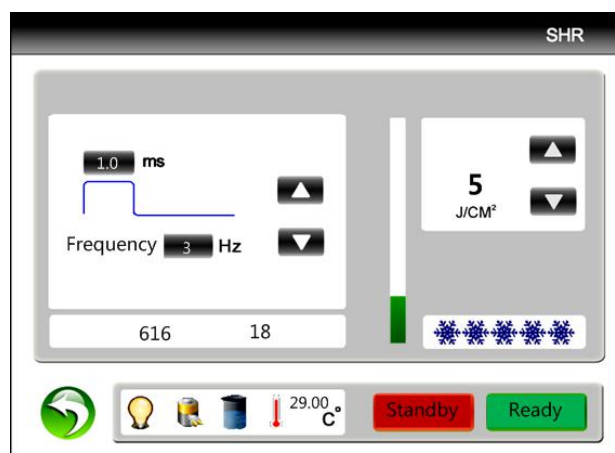
Cooling Adjust :The treatment temperature used to regulate the treatment of hand tools is divided into 10 levels. The more blue snowflakes, the stronger the cooling, and the blue snowflakes disappear.

Ready button : Click  Trigger the handle, the xenon lamp lights, press the handle button to enter the light-emitting operating state.

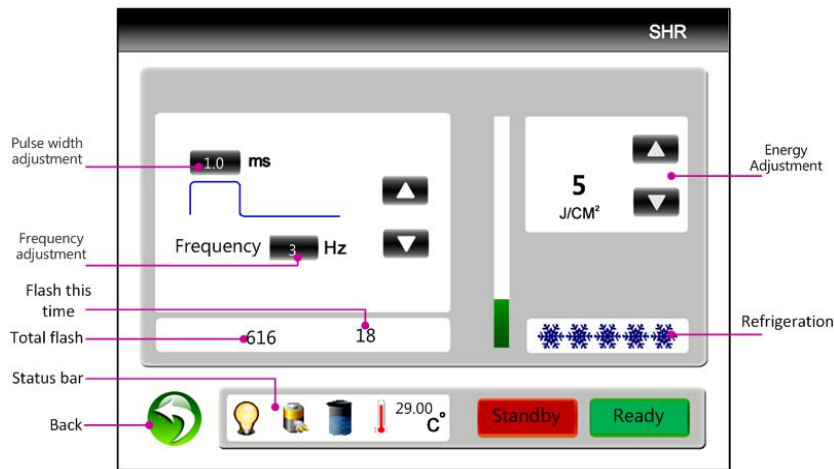
Standby button : Click  Turn off the xenon lamp and exit the operating state.

3、SHR function operation instructions

Click "SHR" to enter the operation interface:



SHR operation interface description:




Total Shots : Shows the total number of light emitted by the instrument.


the number of light this time: shows the number of times the instrument is operating.

Status indication column: Display lighting status, charging status, water level status, and water temperature status in sequence.

Return button: Used to return to treatment mode selection interface.

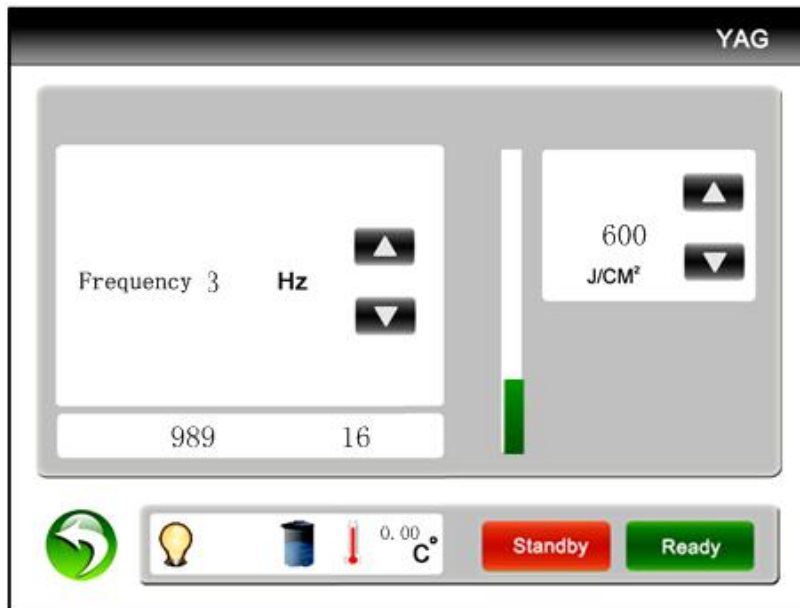
Cooling regulation: used to adjust the treatment temperature of the treatment of hand tools, and it is divided into 10 files. The more blue snowflake is, the stronger the cooling is, and the blue snowflake disappears.

Ready Button : Click  Trigger handpiece ,When the Xenon lamp lights up, press the handle button to enter the lighting operation state.

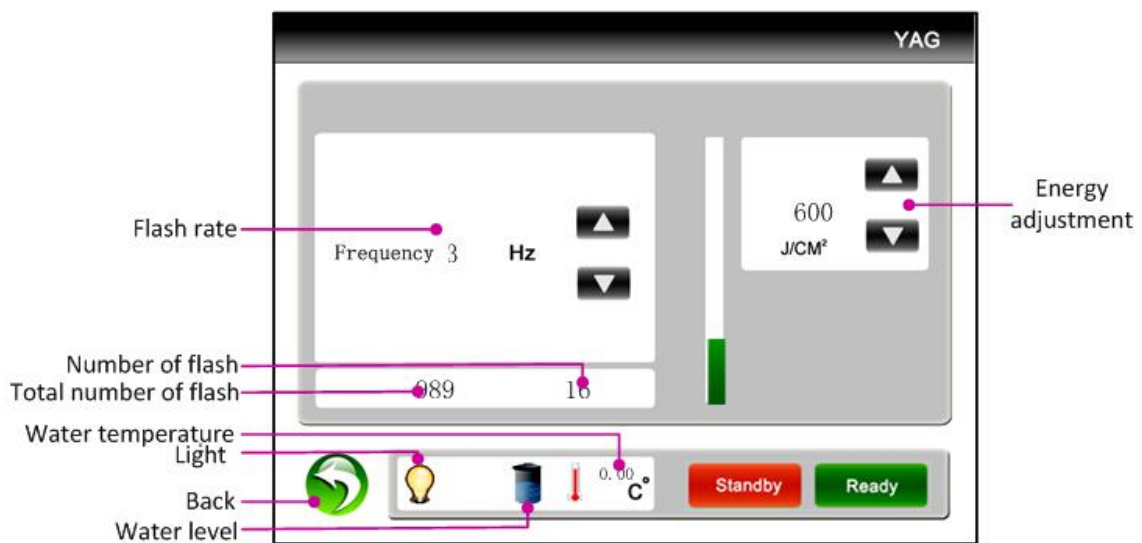
Standby Button : Click  Turn off the xenon lamp and exit the operating state.

4、 YAG function operation instructions

Click "YAG" function to enter the laser function operation interface:



Laser operation interface description:



Operational knowledge

1、Taboo crowd

- Heart disease, hypertension
- Pregnant women, epilepsy patients
- Hypertension, diabetes
- Photosensitivity customers

- Long-term working population in bright light, recently sunburned skin
- Short-term skinning customers
- Customers who are taking antioxidant or hormone drugs

2、 Pre-therapy preparations

- ①、 Preoperative consultation, fill in the file.
- ②、 Preparation: Cooling gel, scraper, protective glasses, instrument warm-up
- ③、 Steps: Cleansing - Cleansing the Face - Scrape Excess Hair - Cool Gel - Spot Test - Perform Treatment - Cold - Moisturize - Apply Repair Products

3、 Physical care precautions

- ①、 Must provide customers with strict and effective eye protection measures (eg, with gauze, protective eyewear)
- ②、 In the physical therapy process, it is recommended that the gel thickness be 2-3mm, and the bald head should be the best for skin fitting. Do not press too hard or hang it empty.
- ③、 During the physical therapy, the skin may feel slightly tingly and feverish, but it is within the tolerance of the customer.
- ④、 The energy parameters can be adjusted by 2-3 or so, depending on the individual's ability to bear and the skin's response. Redness, heat, and tingling after the end of physical therapy are all normal phenomena. They can be faded in 30 minutes by cold compress. After the heat is dissipated, some pigments are broken down into tiny particles and extracted into the skin surface.
- ⑤、 Clients with red blood cells need to first operate between 15-18 J/cm² of red blood cells. After 5 minutes, 25 J/cm² or so can be used again to repair keratin fade red blood cells. After operation, the bloodshot will become slightly clearer than before, and will gradually fade after 10 days.
- ⑥、 The parts with freckles and dark spots will have pigment deepening after a few minutes at the end of the treatment. At this time, the pigments have been extracted from the epidermis, and will fade gradually with the metabolism within three to seven days.
- ⑦、 After treatment, the skin will still feel hot and spicy, the skin is slightly red, usually about half

an hour will recede (individual skin, especially sensitive skin, redness is a normal phenomenon in one or two hours); a few days after physical therapy will be Itchy feeling is a normal skin metabolic reaction and replenishment will ease.

4、 After treatment

- ①、 Heat dissipation can be cold, cold spray, natural heat dissipation.
- ②、 For replenishing water, it is recommended to use a hydrating mask for seven days in a row, prohibit steaming and steaming, and cleanse the face with cold water within ten days.
- ③、 For sun protection, SPF20 or more sunscreen should be used within one month after the operation to avoid direct sunlight on the operating site. It is advisable to use parasols and other sun protection products when going out.
- ④、 Within one week, pungent foods such as spicy food and seafood must not be eaten. Sensitive foods such as celery, parsley, etc. should not be eaten. Foods with high pigment content should be eaten less and alcohol and tobacco must be avoided.
- ⑤、 It is forbidden to use functional cosmetics during treatment, and hormone-type cosmetics are prohibited.
- ⑥、 The interval between two treatments is 28-45 days.

Precautions

1、 Transport safety

The instrument memory precision devices, users try not to move long distances. Before transporting the machine, the water in the instrument must be kept clean, all water holes must be blocked, and the shock-absorbing package provided by the manufacturer must be used during transportation. Otherwise, the optical system may be misaligned and affect the energy output.

2、 Electrical Safety

There is a high voltage in the operation time of the instrument. After the power is turned off, the high voltage device may still have a residual voltage. Open the chassis at random and there is a danger of high voltage electric shock!

3、Operational safety

- ①、 Water must be filled before starting, otherwise it will burn the treatment tool! And use pure water or medical distilled water.
- ②、 Check the circuit and waterway of the instrument immediately after power on, and observe the safety of the circuit and waterway from time to time throughout the operation.
- ③、 Never look directly at the strong light from the front end of the bald grip.
- ④、 In the treatment room, substances that can reflect light, such as watches, mirrors, and jewelry, are prohibited.
- ⑤、 Always keep the light guide system clean and ensure that the cold gel does not contaminate the light guide system.

Quality assurance

The instrument is warranted for 12 months from the date of purchase (with notes), the handle is guaranteed for 3 months, and the failure (non-human phenomena) within the warranty period is free of charge. Any person who exceeds the warranty period may also be responsible for repairs. The cost of spare parts and consumables shall be charged according to the company's regulations (transportation costs shall be borne by the customer). If you need to add or purchase, please contact us.

There is no free repair warranty service for the following personal reasons:

- ① Unauthorized disassembly, modification of the product caused by the failure;
- ② Failure caused by the use of hand tools not distributed by the company;
- ③ The use of carelessness, beats, falls caused by failure;
- ④ Failure due to lack of proper maintenance;
- ⑤ Failure caused by incorrect use of the instructions for use.

warranty card

Product Name		Customer Name	
Product Model		Contact Number	
Purchase Date		Adress	
Repair Date	Cause of Issue	Maintenance content	Repair man