

# User Manual

## OT-AC019K



# Preface

Dear users:

We're pleased to present to you the *Electric LCD Portable Laser Freckle Warts Dot Mole Dark Spot Tattoo Removal Pen* that targeted at freckles, age spots, flat moles, small patches of tattoo, etc. We aim at a safe and, at the same time, effective beauty result by using high-end technologies. *Electric LCD Portable Laser Freckle Warts Dot Mole Dark Spot Tattoo Removal Pen* is for professional use, which needs to be handled by professionals with proper training. Any improper use will result in adverse outcomes. Therefore we advise any personnel read this guide thoroughly and follow the instructions strictly before operation.

We believe our quality product will bring in good returns on your end. Also, you can count on our worry-free after-sales service.

Thank you!

# Table of Contents

Preface
Part I
Brief Introduction
Advantages
Principles
Main Effects
Inapplicable Range
Notes after Operation
Method of Use
Part II
1.Detailed Operations
2.Technical Parameters
3. Safety Precautions
4. Dos and Don'ts
5. Troubleshooting & Solutions
6.FAQs
7.Packing List

# Part I

## Brief Introduction

Electric LCD Portable Laser Freckle Warts Dot Mole Dark Spot Tattoo Removal Pen are currently the most popular beauty machines that work on removing dark spots, moles, and tattoos, etc. It addresses skin issues like freckles, age spots, flat moles and small patches of tattoo and so on. Moreover, they are convenient and easy to operate. It solves both skin and body management issues for beauty-lovers. This equipment requires no injection, no medication, no operation, thus having no side-effects. It is used externally during the whole process and has an immediate effect. Electric LCD Portable Laser Freckle Warts Dot Mole Dark Spot Tattoo Removal Pen uses the heat effect of plasma to carbonize the pigments such as age spots, freckles, flat moles and small tattoos on the skin to make them disappear forever.

## Advantages

1. Adopt high-tech of ionized carbonization function, instantly remove black spots and moles, etc.
2. The unique electro ionization technology will not make people feel the existence of electric current or bleed during use.
3. Instantly remove skin neoplasm, strong sterilization, cure without recurrence.
4. Treatment does not damage dermal tissue, leaving no scar pits after healing.
5. While removing spots, carbon scab to protect the wound, quick healing.
6. Easy to operate, easy to remove spots and spot moles.
7. Large volume of battery. It can work for 5 hours and above when fully charged.
8. Nine gears can be switched at will, and the appropriate gears can be adjusted according to the size and depth of the melanin.

## Principles

Working principle of Electric LCD Portable Laser Freckle Warts Dot Mole Dark Spot Tattoo Removal Pen is similar to that of carbon dioxide (CO<sub>2</sub>) laser beauty machine. It uses a new generation of efficient power conversion material and chip control technology where high-frequency plasma discharge energy at low temperature. When making contact with skin spots, a quasi contact between skin and the pen is made, which high temperature plasma as high as 2000 °C can be produced in the instant of a few millimeters. By using plasma heat effect of carbonation, it makes pigmented skin disappear permanently.

Plasma jet flame is completely different from ordinary flame. When it is carbonized to remove undesirable spots, it can rapidly solidify the microvessels so that they do not

bleed. It also has a strong sterilization effect that can clear the skin spot pathogen so that it never relapses without harming the surrounding skin dermal tissue; Also it makes the skin produce oil film, the formation of carbon scab automatically protect the wound from infection, promote the wound to heal quickly. In a week or so natural scab falls off naturally, leaving no scar.

## Main Effects

1. Remove age spots, freckles, café-au-lait spots, etc
2. Remove skin neoplasm, fat granules, warts, etc
3. Remove flat moles, intradermal nevus, black moles, etc
4. Remove tattoos of small size.
5. Improve corns, external hemorrhoids and rosacea on nose.

## Inapplicable Range

1. Those who are prone to leave scars.
2. Those with serious heart disease, severe “3 H” (hypertension, hyperglycemia, hyperlipidemia), or other serious illness.
3. Those with dense and a large patch of spots.
4. Those with single large spots, dermal spots, patchy spots, etc
5. Use with caution for people who are allergic with electric current.

## Notes after Operation

1. The scab will peel off about 4-10 days after the operation, and temporary skin erythema or pigmentation will appear in the treatment area. Pigmentation will gradually subside after one month, and will returned to normal after three months. Avoiding bright light within three months after treatment is the key to prevent the aggravation of pigment.
2. Don't eat spicy food or drink alcohol after treatment.
3. Do not take aspirin to avoid exacerbating post-treatment reactions.
4. Do not touch water or infect the treatment site after treatment, and keep it clean.

## Method of Use

**Mole Removal:** When removing moles, pay special attention to tell the mole position. Some mole grows on the skin surface layer, whole root growth can reach deep into subcutaneous tissue. So when using the end of the needle, do not puncture the surface of moles at a time. It's best to burn in the form of small squares. After treating

relatively deep positioned moles, apply healing nourishing cream that contains living cells 2-3 days prior to healing to avoid inflammation, which can prevent skin concave hole. Do not apply the nourishing cream if inflammation occurs.

**Spot Removal:** brace the spot position with electric needle back and forth slightly, and you can see very clearly that melanin turns charred and peels off after sweeping of the electric. For small and surface positioned spots, one treatment will do the job. For bigger and deeper positioned pigments, it's better to divide to 2 or 3 treatments.

**Tattoo Removal:** The method of removing tattoos are basically the same as the removal spots. The only difference is that the latter takes slightly longer, and must be used continuous. For large treatment areas (over 3 cm), should be divided into several treatments. Never do it with just one treatment, otherwise, it might lead to bacterial inflammation and other serious consequence. Therefore beauticians and customers should be especially careful. Serious inflammation should be treated as soon as possible if it occurs.

## Part II

### 1. Detailed Operation





Big needle



Small needle

### Big needle

- 1) How to install: twist big needle into the probe of device
- 2) Suitable for spots, tattoo, eyebrows removal

### Small needle

- 1) How to install: twist small needle into the probe of device
- 2) Suitable for mole, Wart, removal

9 levels in total are included:

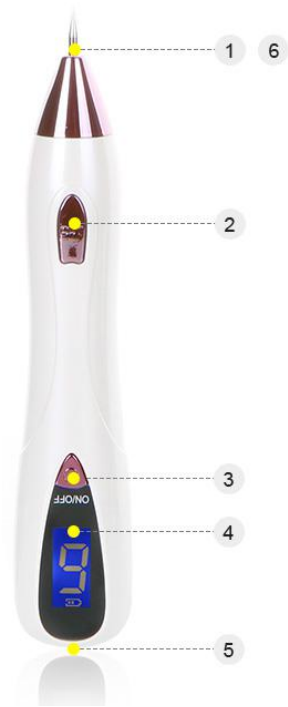
Pigmented Spot Removal: 1-2, Big Needle

Mole Removal: 2-3, Big Needle

Flat Mole, Corn, Wart, Intra-dermal Nevus Removal: 5-6, Small Needle

Tattoo Removal: 7-9, Small Needle

- 1 Freckle removing
- 2 Work keys OUT
- 3 Boot button
- 4 Function display
- 5 USB charging
- 6 Illuminating spotlight





Lighting Spotlight: Double-click(ON/OFF) button to open the head spotlight, and then double-click(ON/OFF) button to turn off the lights



## 2. Technical Parameters

Material: ABS Plastic, Steel Needle

Color: Gold/Pink/Silver

Output Voltage: 5V

Weight: about 250g

## 3. Safety Precautions

1. Those who are prone to leave scars.
2. Those with serious heart disease, severe "3 H" (hypertension, hyperglycemia, hyperlipidemia), or other serious illness.
3. Those with dense and a large patch of spots.
4. Those with large single spots, dermal spots, patchy spots, etc
5. Use with caution for people who are allergic with electric current.
6. Use with caution for those who are during pregnancy, menstruation, and lactation.

## 4. Dos and Dont's

1. In order to ensure the therapeutic effect of the instrument and its normal service

life, please use the specified accessories provided or suggested by the original manufacturer.

2. The device should not be placed in wet environment or near water, nor should they be directly exposed to sunlight.
3. Do not place the device near a strong heat source, because this may affect the life and normal use of the device.
4. Patients who are suffering from illness should consult with a doctor and gain permission from the doctor before using.
5. Use device or train device operators in strict accordance with instructions in the user manual.
6. When using this instrument for the first time, it is recommended to use the fresh pig skin to test the instrument, and only use it when you are fully familiar with the performance and operating procedures of the instrument.
7. Since this instrument can produce high temperature effect in an instant, please keep it properly when not in use to avoid children's access and people who do not know how to use it to avoid danger.
8. It is better not to wash the treatment area too much within 30 days after using the instrument (simple nursing care is enough), and not to scrub it forcibly.
9. Do not use hands to scratch the scabbed area when it gets itchy; wait for 20~30 days or so, it will fall off by itself.
10. For pain sensitive users, use alcohol pad to remove oil from the skin before removing it.
11. Do not stay in one place for a long time during operation; sweep gently so as to not burn the dermis.
12. For deep positioned dark spots, tilt the tip of the pen and operate in a lower level.
13. For those with dense, large patch dark spots, single large spots, dermal spots, patchy spots, it is advised not to use this instrument.
14. The machine enters auto-off mode after 10 min of non-activity.
15. Clean the instrument with normal saline after operation to ensure its cleanliness and hygiene and prolong its service life.

## 5. Troubleshooting & Solutions

### **1. The instrument cannot be started, but the key light on the back of the instrument does not work?**

- A. Make sure the power cord is connected to a valid power socket.
- B. Whether the fuse tube on the back of the instrument is loose or burnt out.

### **2. No reaction when the instrument is turned on?**

- A. Check whether the cable is connected to the main machine.
- B. Check whether the needle is properly installed.
- C. If the above methods cannot be addressed, please contact the instrument dealer for assistance.

## 6.FAQs

### 1. Q: Will it leave scar?

A: The high-frequency electric current and the low power voltage stabilizing transformer will transform the current into laser when acting on the skin, and the laser energy will drive into the melanin to explode and disperse, which will have no influence on the surrounding skin, and will not leave scar under normal circumstances.

### 2. Q: How long do I have to wait to put on makeups after spots removal treatment?

A: Treated area will be more sensitive and fragile after spot removal treatment, so you can not put on makeup immediately, and in the recovery period, do not use a variety of chemical exfoliating cosmetics. After about 6-10 days you can start your basic makeup routine. The specific time is to be determined according to the individual skin quality and recovery. You must consult the professional personnel for selection of cosmetics. Do not use cosmetics that contain chemical composition to avoid affecting the results.

## 7. Packing List

1 x Laser Pen

2 x Big Needle

1 x USB Cable

10 x Small Needles

1 x Instruction

## 8. Operational Diagrams

Parameters	Product	Techniques	Diagrams
<b>Mole Removal: 50 min</b>			
Level: 2-3	Towel+	1. Clean treatment area	No diagrams

	Disposable Medical Gloves+ Anesthetics+ Normal Saline+ Repair Serum+ Needles+ OT-AC019K	with wet towel and apply anesthetics. 2. Cover it with plastic wrap to enhance the effect. Wait for 30 min. 3. Remove the anesthetics and clean with normal saline. 4. Put on disposable medical gloves. 5. Select the needle of your choice and install. 6. Turn on the device. Adjust energy and level. 7. Stand the needle vertically above the mole. Move in small cubes until it's completely removed. (DO NOT poke through the surface of the mole.) 8. Move on to the next one until all are removed. 9. Apply repair serum on treated area.	
<p><b>Suggested Treatment:</b>          Complete removal of mole normally takes one treatment. Chorioplague and active moles take around 3-4 treatments. After one treatment, pigments are visibly faded and are gradually disappearing after two treatments. Pigments will be completely removed after 3-4 treatments.</p>			
<p><b>Spot Removal: 50 min</b></p>			
Level: 1-2	Disposable Medical Gloves+ Anesthetics+ Normal Saline+ Repair Serum+ Needles+ OT-AC019K	1. Remove makeups and wash face clean, 2 min. 2. Apply anesthetics on pigmented spots. 3. Cover it with plastic wrap to enhance the effect. Wait for 30 min. 4. Remove the anesthetics and clean with normal saline. 5. Put on disposable	No diagrams

		<p>medical gloves.</p> <p>6. Select the needle of your choice and install.</p> <p>7. Turn on the device. Adjust energy and level.</p> <p>8. Gently slide back and forth on the pigmented spot with the needle until the color changes.</p> <p>9. Move on to the next one until all are removed.</p> <p>10. Apply repair serum on treated area.</p>	
--	--	--	--

**Suggested Treatment:**

Light, small pigmented spots can be removed with one session. Large, dark pigmented spots take 2-4 sessions to be completely removed. Results vary on an individual basis.

**Note: Tattoo removal shares the same operational techniques with spot removal.**