



SILHOUET-TONE®

ST 350



INSTRUCTION
manual

EVOLUTION ST350 is a registered trademark of Silhouet-Tone Corporation

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The masculine generic is used without discrimination and only for the purpose of lightening the text.

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SILHOUET-TONE RESERVES THE RIGHT TO CHANGE THE SPECIFICATIONS OF THE EVOLUTION ST350 DEVICE WITHOUT NOTICE.

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Thank you for your confidence in Silhouet-Tone Corporation's products and congratulations on your decision to purchase the EVOLUTION ST350.

The purpose of this manual is to familiarize the user with the characteristics, operation and maintenance of the device.



The EVOLUTION ST350 permanent electric hair removal system is equipped with a communication interface allowing the integration of future updates. This ensures that your electrolysis unit remains at the cutting edge of technology.

01. Important protective measures

Read all instructions before using the unit.

1. This appliance should only be used for purposes that are approved and described in this manual. Use only accessories recommended by the manufacturer.
2. Before each use of the unit, check all cables and accessories for damage, excessive wear or crimping that could affect the performance or safety of the system. Never use the system with visible damage.
3. Never treat a sensitive or inappropriate area.
4. Do not use this unit if the power cord has been damaged, if it is not working or is working incorrectly. Return the device to the service center for verification and/ or repair.
5. Keep the power cable away from heat sources.
6. The power cord should be placed so that it is not trampled or compressed by objects placed on or next to it. Pay particular attention to the location of cords, plugs, receptacles and outlet of the appliance.
- 7. WARNING** : To avoid the risk of electric shock, this appliance must be connected only to a grounded outlet.
- 8. WARNING** : Avoid spilling liquids on the unit.
9. Never immerse accessories in any type of liquid.
10. Never pull the power cord to disconnect the unit. Always do this by pulling firmly on the cable plug. Always leave enough space between the unit and the power supply to easily access the plug.
11. This device must be used in a professional manner by duly trained and qualified personnel with knowledge of skin physiology. If you have any questions regarding the operation of this unit, please contact Silhouet-Tone Corporation or your local distributor.

Grounding Instructions:

12. The unit should only be connected to a grounded outlet. In the case of a short circuit, the grounding plug can reduce the risk of electric shock by providing a path of leakage to the current.
13. The power cable is equipped with a three-pin plug. The third pin is the ground plug. This plug can only be inserted into a grounded outlet (three holes).
- 14.  DANGER** : IMPROPER USE OF GROUND MAY CAUSE ELECTRIC SHOCK.
15. Do not use adapters with this unit. Do not change the outlet if it does not match the outlet.
16. Have an electrician install a suitable electrical outlet.
17. Do not overload wall outlets or extension cords to prevent the risk of fire or electric shock.
18. All repair work must be performed by Silhouet-Tone Corporation or an authorized representative.
- 19.  CAUTION** : Do not attempt to repair this unit yourself. Opening the device may expose you to high voltages or other hazards and will void your warranty. Always use parts and accessories certified by Silhouet-Tone Corporation.
20. To ensure continuous fire protection, always replace the fuse with a manufacturer approved type and amperage.
21. Slots and openings in the housing are provided for ventilation. They are there to ensure proper operation and prevent overheating. These openings must not be blocked or covered. This appliance must not be placed in an integrated installation unless adequate ventilation is provided.

22. Always maintain good contact between the return electrode and the customer/patient's skin.
23. Always maintain good contact between the filament holder and the customer/patient's skin.
24. Never immerse the filament holder in any type of solution.
25. It is imperative that the needle be changed, if the filament holder has escaped you.
26. It is imperative to carefully inspect the filament holder for damage in the event of a fall.
27. Never connect a foreign accessory to the device other than the filament holder, return electrode and appropriate pedal.
28. Never connect the filament holder, return electrode or footswitch to a foreign unit.

Keep these instructions.

02. Contraindications

BEFORE THE START OF TREATMENT, COMPLETE THE CLIENT/PATIENT FORM AND THE CONSENT OR AGREEMENT FORM

GENERAL CONTRAINDICATIONS:

- Epilepsy with convulsions
- Pregnancy and breastfeeding
- Cancer, chemotherapy treatment and remission (after 1 year without treatment and without medication, on medical authorization)
- Infectious diseases (HIV, Hepatitis, Tuberculosis)
- Hemophilia
- On Accutane
- Puberty (wait 1 year after the first period and ask for parental permission below 18 years)
- Multiple sclerosis
- Insulin-dependent or severe diabetes (Type 1)
- Cochlear Implants
- Pacemaker
- History of keloid scars
- Fever on the day of the session

LOCALES CONTRAINDICATIONS:

- Skin cancer
- Phlebitis, thrombosis
- Infection, inflammation, local dermatitis and burning
- Nevus (on medical authorization)
- Venous problem
- Ear canal
- Inner nostrils
- On erythema (inflammation, sunburn)
- Herpes simplex (labial and genital herpes)
- Neuralgia and local pain
- Sensory impairment
- Active skin lesion (eczema, dermatitis, psoriasis)
- Any medical condition that may delay the healing process

GENERAL CONTRAINDICATIONS FOR GALVANIC CURRENT

- Paralysis
- Pregnancy and breastfeeding
- Multiple sclerosis
- Pacemaker
- Epilepsy
- Cancer

LOCAL CONTRAINDICATIONS FOR GALVANIC CURRENT:

- Area with metal implant
- Orthodontic treatment (appliance, prosthesis)
- Disorder of the thyroid gland
- Local paralysis



IMPORTANT : In case of doubt, always refer the client/patient to a doctor or ask for a written authorization from a doctor.

This system does not claim to have any medical claims.

This procedure is not used in any way to cure or treat a medical condition.

The system is designed to be used by beauticians, nurses, medical assistants, doctors or qualified health professionals, for a purely aesthetic purpose.

Silhouet-Tone Corporation is not responsible for any damage or accidents caused by improper use of the system.

If you have any questions, please contact Silhouet-Tone Corporation or your local distributor.

03. Device characteristics

EVOLUTION ST350 offers a wide range of programs to perform permanent electrical hair removal.

All the parameters proposed by the system can be modified and customized according to the treatment to be performed at any time of the treatment.

It includes a touchscreen tablet on which appear the following criteria: areas, hair sizes, treatment modes, shapes and all the parameters useful and essential for the practice of permanent electrical hair removal.

a. VECTORIAL MODULATIONS MC
(Exclusive Technology to Silhouet-Tone Corporation)

Many years of research have enabled Silhouet-Tone Corporation and its team of engineers to design and develop the current Vectorial Modulations MC, the most advanced distribution system on the market. Vectorial Modulations MC modulate the current in intensity and duration while the needle is inserted into the follicle. This major breakthrough marks a turning point in the permanent hair removal industry and provides a solution to three important concerns:

Pain: ensures pain reduction to the lowest possible level.

Effectiveness: maximizes treatment outcomes.

Satisfaction: achieves permanent results faster.

Current Vectorial Modulations MC is more accurate and stable than any other existing technology.

Traditionally, High-Frequency Current alternately uses ON/OFF options alternately to alleviate pain. However, this method is accompanied by a feeling of discomfort and greatly reduces the amount of energy administered in the hair follicle. We take innovation even further and design Vectorial Modulations MC. This technology allows the emission of complex waves, guaranteeing an unprecedented feeling of ultimate comfort.

The modulated current, divided into segments of two milliseconds on average, eliminates the discomfort caused by the pulsation of the current or by repetitive application. The energy administered at the base of the follicle remains constant, optimizing the destruction of germinative cells in depth and laterally.

Benefits:

- Ensures faster permanent results,
- Effective for all types of hair (very fine, fine, medium, large, very large, extra large, curved, curly, complex, etc.),
- Does not damage surrounding tissue.

b. 6.78 MHz HIGH-FREQUENCY (radiofrequency family)

Silhouet-Tone Corporation has been developing electric hair removal devices since 1972.

Fifteen generations of devices have succeeded each other.

The principle of the high frequency current (part of the electromagnetic spectrum between 3 Mhz and 30 Mhz) is based on the creation of heat in the hair follicle.

It is through to this heat that the tissues and cells responsible for hair growth are destroyed.

This heat is developed through a process connected to the 6.78MHz frequency.

Indeed, these rapid oscillations from positive to negative, 6 780 000 times in a second, create attraction and repulsion of the molecules surrounding the needle. These movements cause friction and vibration in the follicle. The result is heat that destroys the cells and tissues responsible for hair growth.

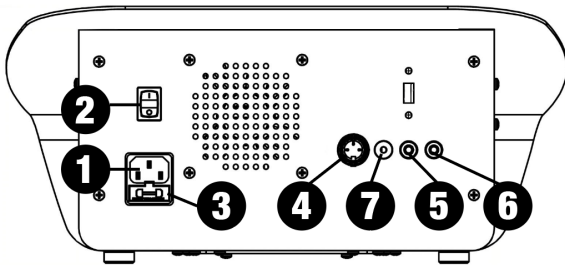
The speed of 6.78 MHz leads to heat creation much faster. Thus, the technological evolution of electrolysis devices today allows to work with shorter application times than in the past, making treatments much faster and more comfortable.

04. Connecting accessories



CAUTION: Risk of electrical shock, do not remove back cover. Refer servicing to qualified service personnel.

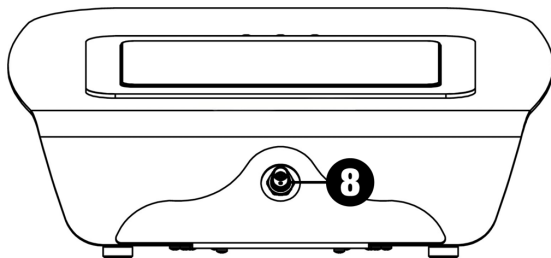
Back side:



1. Power outlet.
2. ON / OFF switch.
3. Fuse box.
4. Pedal outlet (big black outlet).

5. Soothing roller electrode (red)
6. Contact electrode outlet (small black outlet).
7. Satellite 2 LEDs red & green (silver outlet).
8. Probe Holder Connection

Front side:



8. Connexion des accessoires :



NOTE: Make sure that the ON / OFF switch is in the OFF position before connecting any accessory.

Back panel:

- Power cable to be connected into # 1 Power outlet.
- **Pedal** to be connected into # 4 Pedal outlet (black big outlet) on the rear unit's side.
- **Red extension cable** to be connected into # 5 Roller electrode outlet (red outlet) on the rear unit's side while other end inserted into the Soothing roller outlet.
- **Black extension cable** to be connected into # 6 Contact electrode outlet (black small outlet) on the rear unit's side, while other end is inserted into the Electrode outlet.
- **Satellite** to be plugged into # 7 Satellite outlet (silver outlet) on the rear unit's side.

Front panel:

- **Cable for Probe holder:** thicker end to be connected into # 8 Probe Holder Connection on the front unit's side (insert and rotate to insure holding protection).

Now you can Turn **ON** the unit.

Turning the unit ON

1. To turn the unit on, use the power switch located at the back of the unit to the «ON» position (1).
2. Than menu screen will appear :



3. The unit will take few minutes to load all programs.
4. It is ready to use when the screen displays "**Depilation**" and "**Soothing phase**"




5. To access to the Instruction Manual press “**Instruction**”  button at the bottom of the front screen.


To change the language press the “**TOOL**”  icon at the bottom of the screen and select desired language (“**French**” or “**English**”). The language will be kept in memory for following uses.



Use the “**Return**”  icon to return to the previous screen.

05. Unit settings

 **IMPORTANT:** EVOLUTION ST350 system uses a touchscreen interface. It is highly recommended that you carefully read and understand the instructions manual to properly use your electrolysis system by touching "Instructions" button in the bottom of the screen.

-  **CAUTIONS:** The touch screen interface is very sensitive, therefore:
- ALWAYS use the screen pen provided with the unit to touch the screen. There is no need to press hard for a response.
 - NEVER use sharp objects as these may damage the screen.
 - NEVER put the probe holder or the tip of the needle in contact with the screen surface. The probe carries high voltage and will damage the screen.

Turning the unit ON:

 **CAUTIONS:** Never proceed to use the unit if the display screen is inoperative.

1. To turn the unit on, use the power switch located at the back of the unit. Switch to the «ON» position.
Then Silhouet-tone logo will appear.
2. The computer will take approximately 15-30 seconds to load all programs.
3. The unit is ready to use when the screen displays "**Depilation**" and "**Soothing phase**".
4. Function selection: touch desired key to access the main "**Treatment Menu**".

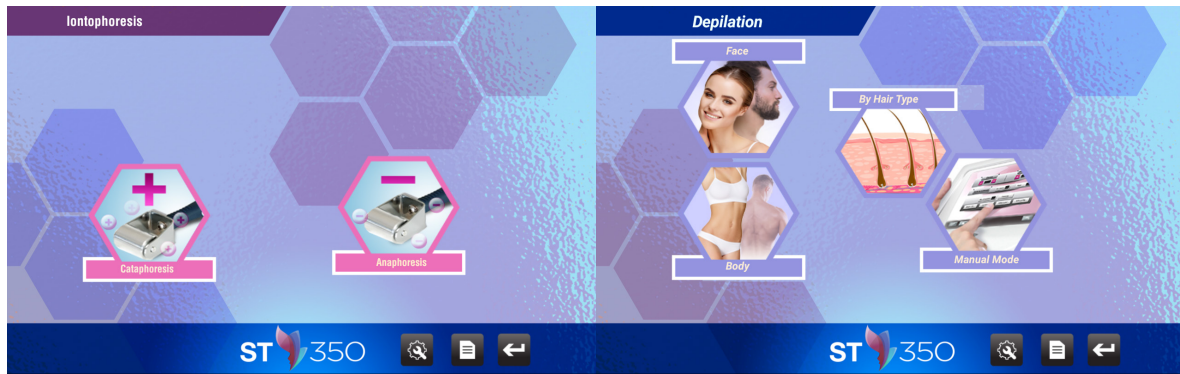
Treatment selection

 **WARNING:** Never touch the screen with the probe.

- Use this screen to select treatments

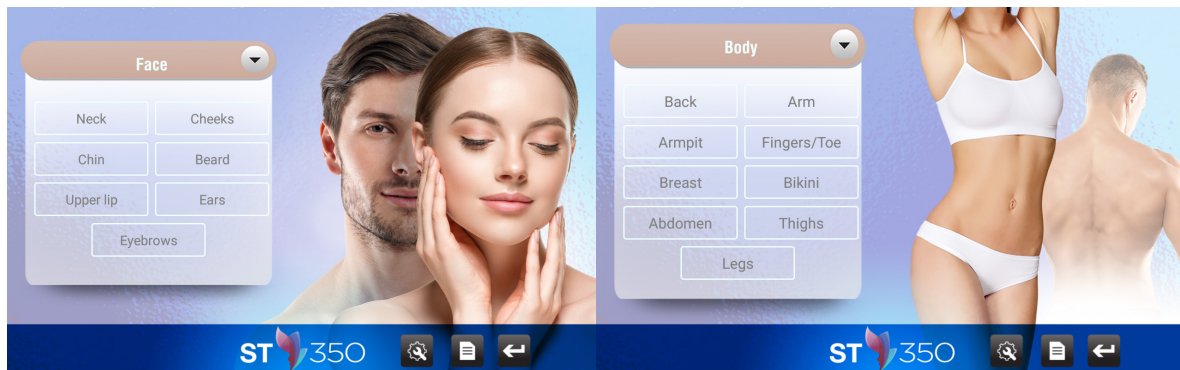


Treatment screens description

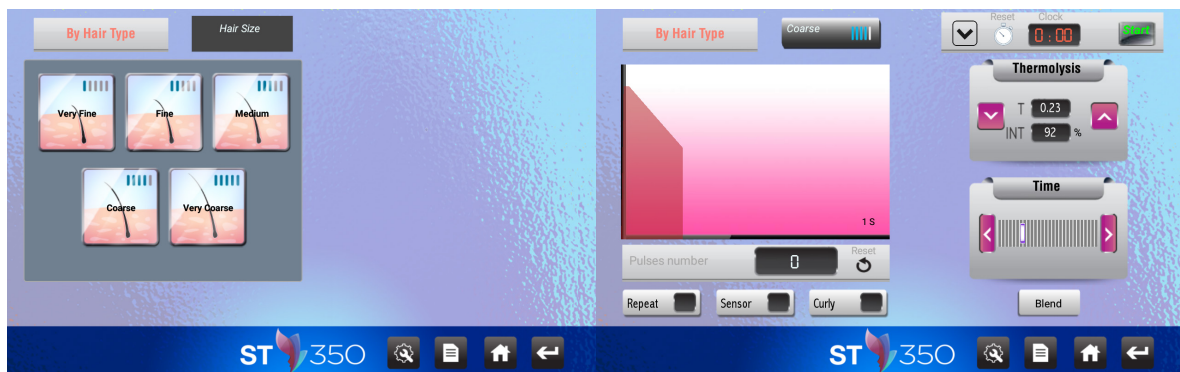


4 SELECTION BUTTONS ARE AVAILABLE IN « **DEPILATION** » PROGRAM “**FACE**”, “**BODY**” OR “**BY HAIR TYPE**” AND “**MANUAL MODE**”:

“**Face**” or “**Body**” icon will bring up all face or body areas to be treated. Select treatment zone by pressing the desired area.



The “**By Hair type**” icon selects generic intensity settings based on hair size.



2 Selection buttons are available in “**Soothing phase**” program (**Ana / Cata**): Refer to section Soothing Phase.



The “**TOOL**” key on the bottom left of the screen, is a configuration key that enables system’s setting parameters, such as modifying screen brightness, beep sound insertion delay and language.



The “**Back**” key (arrow pointing to the left) will bring up the previous screen.



The “**Book**” key located in the lower part of the screen allows you to access the complete instruction manual during your treatment if necessary

PERFORMING A TREATMENT

Select “**Depilation**”

- “**Depilation**”: select the treatment area: “**Face**” or “**Body**”. If you wish, you can access generic programs “**By Hair Type**”. Note that these last programs are less comfortable than “**Face**” or “**Body**” programs or “**Manual Mode**”. Then select the surface to treat. To start the treatment, refer to section Depilation.
- For more details on “**Iontophorese**”, refer to corresponding section.
- You are now ready to work.

TURNING THE UNIT OFF

- Use the power button located at the back.

Reset the unit between two clients:

You will find the «**RESET**» window at the top right of the processing screen

By selecting it, time automatically resets to zero.



06. Treatment screen



WARNING: Never touch the screen with the probe.

Note: before any treatment verify if all jewellery are removed.

DEPILATION PROGRAMS

Area to select: Face / Body Programs

The user can select the specific **“Face”** or **“Body”** area to be treated by simply pressing the desired area. Each area to be treated has specific waveforms and modulation programs designed for its own sensitivity and degree of difficulty. A fine hair on the chin does not respond the same way as a fine hair on the upper lip. These programs insure maximum comfort for the client. When selecting a new treatment area, the unit will display the **“hair type”** icons. Choose the type of hair by pressing on the corresponding picture: **“Very Fine”**, **“Fine”**, **“Medium”**, **“Coarse”**, **“Very coarse”**.

The example below shows following selection sequence:

- Depilation / Face / Chin / Very coarse / Blend;



To select a different hair type while staying in the same area, simply press the hair icon.

When treatment parameters are displayed on the screen, you're ready to start the treatment.

Blend mode (high-frequency energy combined with direct and direct current) is available for all hair removal middle, coarse and very coarse options in preprogrammed mode.

You can select it by activating the «**Blend**» key and deactivate it to return to «**Thermolysis**» mode by activating the «**Thermolysis**» key.



We advise you to harmoniously adjust (increase and decrease) the pre-recorded parameters (High-Frequency and direct current) in the «**Blend**» mode.

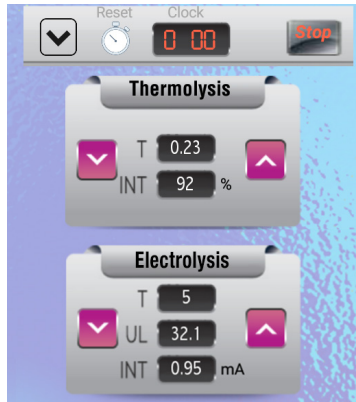
We let you select this mode according to your own professionalism and judgment, knowing that it is more intended to treat coarse, deformed, persistent hair deeply implanted in small areas.

On the treatment screen, the graph systematically represents the shape of the wave produced by the device. It is specific to each zone, each technique and each size of hair.

IN BLEND MODE

- The pink arrows «**Up / Down**» in Electrolysis are used to increase or decrease at the same time the UL and the intensity. Changing treatment parameters will affect potency.
- **Time is not editable in Blend mode for High Frequency current (Thermolysis window). It was calculated judiciously in order to produce the desired reaction of heating water molecules to facilitate the caustic soda production**
- The pink arrows «**Up / Down**» in Thermolysis are used to increase or decrease the intensity in %. Changing treatment parameters will affect potency.

- **Time is not editable in Blend mode for galvanic current. It was calculated judiciously in order to produce the desired reaction of caustic soda production.**



T => time / seconds: indicates the duration of the Thermolysis / Electrolysis wave

INT in **%** => indicates the intensity of the HF energy wave.

UL => total energy of the electrolysis wave during the time period T / unit of caustic soda (CD).

INT in **mA** => indicates the value of the galvanic current wave.

IN THERMOLYSE MODE

- The pink "**Up / Down**" arrows in the Thermolysis window are used to increase or decrease the intensity in%. Changing processing parameters will affect the power
- The time is modifiable and allows to refine the settings to gain efficiency and adjust the parameters as closely as possible for a personalized treatment.



T => time / seconds: indicates the duration of the Thermolysis / Electrolysis wave

INT in **%** => indicates the intensity of the HF energy wave.

PROCESSING TIME

You have the possibility:

1. Either to work in real time mode (that is to say by predefining the prerequisite treatment time for the session, the area and the type of hair).

The selection of this mode is then made on the control screen (key).

2. Either work in continuous time mode (can be used as a stopwatch - count from zero upwards) to keep track of the time spent with the client, that is to say, you let time run out. Run out and stop when you want).

The setting of this mode is then made on the treatment screen.

At the top right, press «**start**» to start the stopwatch, «**stop**» to pause and «**reset**» to reset.



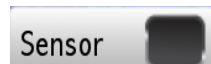
A- OTHER TREATMENT PARAMETERS:



“**Repeat**” key can be used to repeat the modulation wave up to 3 times without re-inserting the needle or having to activate the pedal. Pressing this key will increment the repeat count to 1.

Pressing once again will reset it back to zero. Zero means that the modulation wave will discharge once.

A “**Repeat 1**” will discharge once and then repeat.



“**Sensor**” key is used to select the “**Insertion Delay**” “**On**”/ “**Off**”. The blue color confirms that the “Insertion delay” function is “**On**”. When the sensor key is activated, (blue color) the current will automatically flow upon detecting insertion. When Sensor is “**Off**” (black color), the current must be activated with the pedal.



“**Curly**” key is used to provide extra bursts of energy when working with difficult or distorted hair follicles. Blue color confirms that function is ON, black color means that function is OFF.

Blend

“**Blend**” key will only appear systematically. Activating this key will switch modality from “**Thermolysis**” to “**Blend**”. When blend is selected, an extra “**Electrolysis**” dial will appear which can be used to modify galvanic parameters. Pressing the “**Thermo**” key will switch back to Thermolysis mode.



The hair selection bar displays the selected hair. The blue lines represent a graphic of the power output. To select a different hair size while working in the same area, simply press this bar key, the hair selection icons will appear.



“**Home**” icon at the bottom of the Depilation treatment, is a shortcut which allows going back to the start menu in order to access to the next treatment, Soothing phase.

By pressing this icon, you reset the time to 0 without having to go back into the key.
By pressing this icon you stop or restart the treatment time.



B – Selection by hair size;

Same settings as in preprogrammed parameters, only the treatment zone does not appear.

C – Manual Mode;

You have the possibility of working by choice of hair removal technique (without hair gauge or treatment area) and you let the parameters change according to your free interpretation:

1. In Thermolysis only mode, the parameters are zero. Select the “**Therm**” key.
2. In Electrolysis only mode, the parameters indicate by default a time for the wave to pass.
Select the “**Elec**” key.
3. In Blend mode, a basic parameter is proposed to you in order to start the treatment freely. Select the “**Blend**” button.

D – How to adjust your device settings?

THE HAIR RESISTS

Several steps to take successively (not all, but follow the recommended order)

Use of the basic criteria configured in the device

Increase in intensity between 2 and 4 points

Increased HF current passage time

Change in hair size (switch needle if necessary)

Needle size change (larger size)

Select curly mode (according to area)

Double the pulse (repetition) > programming device or pedal (adjusting the technique of applying the needle in the follicle),

Blend mode selection and needle adjustment accordingly (depending on hair size > from medium).

THE HAIR STICKS TO THE NEEDLE

Do the opposite of the description above > the intensity is far too strong.



CAUTION: the definitive electric hair removal device EVOLUTION ST350 is dependent operator and training dependent.

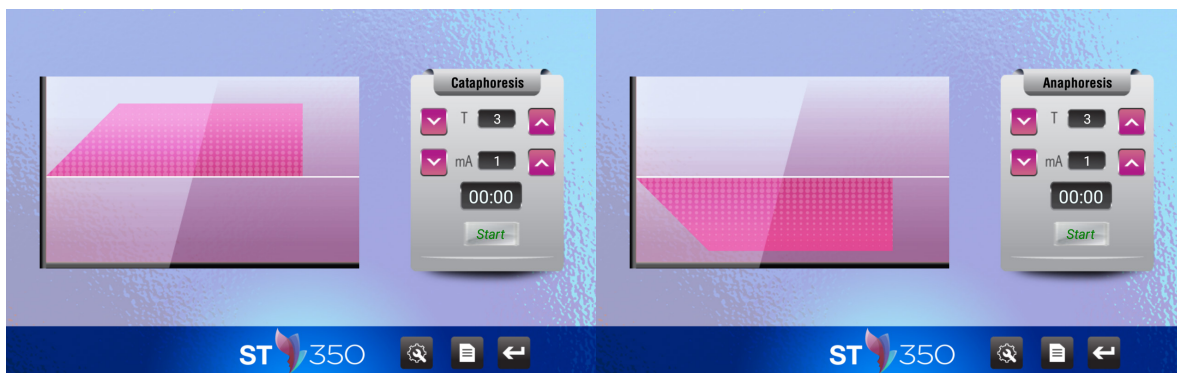
Its use is subject to specific vocational training at the Silhouet-Tone training centres.

The company Silhouet-Tone declines any responsibility in the framework or the basic training in final electrical hair removal would not be followed by the technician.

The same applies to the Thermocoagulation technique.

Soothing phase PHASE

The Soothing phase key on the front screen is used to select “**Cataphoresis**” or “**Anaphoresis**”.



Note :

The polarity of the DC current is pre-set, inside the unit, by a relay.

Therefore, there is no need to modify connection of the electrodes when switching between “**Cata**” and “**Ana**”.

When you select “**Cata**”, roller’s electrode (active electrode) is automatically loaded with a positive charge (+).

When you select “**Ana**” roller’s electrode (active electrode) is automatically loaded with a negative charge (-).

Default treatment time is 3 minutes. DC current intensity can be increased or decreased by 1/10th of a mA (milliamp) increment. Pressing the “**On**” key will start the treatment. Reaches the pre-set time.

To start a new treatment, the user will have to exit this screen or increase the set time.

The unit will not allow the time to restart if the limit has been reached.

Before treatment make sure that:

- All jewelry must be removed.
- Place the contact electrode covered with wet gauze, under the shoulder, when working around face area or upper body or under the thighs when working on lower body.

(-) **ANAPHORESIS**

“**Anaphoresis**” will be applied BEFORE depilation treatment to open hair follicles. NEVER use “**Ana**” after depilation treatment.

- Apply some water with a cotton wool pad.
- Use the roller electrode over the treated area for 3 minutes. (Never use metallic roller on bare skin).
- Rinse the skin.
- To prevent electrode deterioration, use bactericidal wipes to disinfect roller.



CAUTION:

- NEVER use the roller directly on the skin (without gel).
- For roller maintenance clean all gel residues on the roller after each use.
- Use bactericidal wipes to disinfect the roller.

Treatment should be comfortable and soothing pre electrolysis.

Client should only feel slight tingling.

Lower intensity if client is uncomfortable.

A tingling may also be felt under the contact electrode (make sure the electrode is covered with wet gauze).

Recommended intensity settings for “**Ana**”(Before electrolysis):

- For **Face**: 0.30 mA to 0,80 mA
- For **Body**: 1.00 mA to 1,50mA

(+) **CATAPHORESIS**

Cataphoresis will be applied **AFTER** each depilation treatment to sooth the skin and to help skin penetration of the actives positively charged.

Treatment procedure for Cataphorese:

- Apply a layer of **Sensiblis Gel** (post-depilation soothing gel).
- Use the roller electrode over the treated area for at least 3 minutes. (Never use metallic roller on bare skin).
- Remove gel and rinse the skin.
- To prevent electrode deterioration, remove gel residue from roller electrode.
- Use bactericidal wipes to disinfect roller.



CAUTION:

- NEVER use the roller directly on the skin (without gel).
- For roller maintenance clean all gel residues on the roller after each use.
- Use bactericidal wipes to disinfect the roller.

The treatment should be soft and comfortable.

The client can feel only a slight tingling or cooling sensation.

A tingling sensation can be also perceived under the roller electrode (make sure that the contact electrode is covered by a wet gauze).

Recommended intensity settings for “Cata” mode (after electrolysis):

- For **Face**: 0.30 mA to 0,80 mA
- For **Body**: 0,80 mA to 1,50 mA

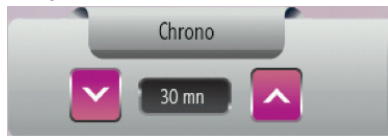
07. System Screen Configuration

Configuration screen is accessible by pressing “**TOOL**”  icon.



All operating parameters can be modified to suit your needs

Timer



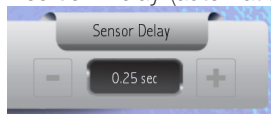
1 option is available:

True Time Mode: Can be used to countdown a pre-set time. Useful to control time with a client.

The choice of Timer mode is selected by using the “**Treatment Duration**” bar.

- **True Time Mode:** To use the timer as a countdown timer, select the desired treatment time, using the “**up**” or “**down**” arrow keys on the timer panel. It will change by 5 minutes increments. Next, press the “**True Time**” key to turn the timer on. The blue indicator will confirm the timer is counting down. You can press the “**True Time**” key to pause or activate the timer.
- At the end of preselected period of time a “**Beep**” sound will be emitted.

Insertion Delay (automatic current activation mode)

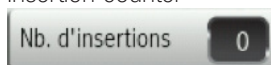


The **Sensor Delay** key is used to work in the automatic current activation mode, without the pedal. The “**Sensor Delay**” is the interval of time between the beginning of your insertion into the follicle and the activation of current passage. This delay time can be modified to suit the technician’s dexterity and difficulty encountered at the treated area. The delay may be set from 0.5 sec to 5 sec., in 0.1s increments. This mode will contribute to the technician’s comfort and reduce lengthy work fatigue. Using the “**Sensor Delay**” necessitates a certain amount of dexterity. The probe must always be accurately inserted into the follicle at the moment of current activation.

IMPORTANT NOTE:

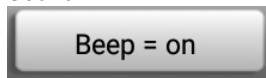
- It is not recommended to work with the “**Sensor delay**” mode when work areas present difficult insertions or tight follicles.
- If you are not familiar or comfortable with the Insertion delay technique, set the delay time to 2.5 seconds or longer.

Insertion counter



Registers the number of times the current is actually activated during a specific treatment. Pressing the “**Insertion**” key for more than a second will reset the insertion counter.

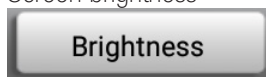
Sound



At the end of each insertion, the unit beeps to indicate that it is safe for the needle to be removed from the follicle. If you wish to use the visual “**satellite**” signal, the beep can be silenced by pressing the “**Beep**” key.

Note: When the “**Beep**” sound is off, the flow of current can be monitored using a satellite which will turn on its red light intermittently each time the current is activated using the pedal.

Screen brightness



This key serves to adjust the brightness of your screen. The screen is set at maximum brightness by default. If you wish to dim the screen, press the key repeatedly until the desired brightness is reached. Brightness will loop around from high to low when the highest setting is reached.

Wi-Fi configuration and Update



NEVER TOUCH WIFI configuration and Update keys as this risks altering your configuration screen and the programming of your device.

08. Needles & other supplies



IMPORTANT !

- Use **ONLY** disposable sterile needles.
- Needles must be discarded after each use.
- This unit is conceived and testes **ONLY** with needles and needle-holders recommended by Silhouet-Tone.

Needle size varies according to the diameter of the hair to be treated.

Supplies needed for treatment:

- Pre-depilation cleanser (such as Sensibilis Pre-depilation lotion).
- Gloves (some clients are allergic to latex or vinyl).
- Surgical mask (optional).
- Gauze.
- Soothing gel (such as Sensibilis Post-depilation gel).
- Sun block.
- Container for disposable needles.
- 5 diopters magnifying lamp.
- Tweezers

09. Post Care Instructions

After all Electrolysis procedures, the subsequent steps must be followed.

- Do not touch, stretch or manipulate treated area for at least 24 hours following treatment.
- Clean treated area very gently using fingers and facial cleanser. Do not use face cloth, facial brush or sponges.
- If you wish to wear makeup over treated area, apply foundation very gently, using clean fingers.
- To avoid hyperpigmentation, use a sun block and avoid sun exposure, including tanning salons for one week.
- Apply cold compresses if area feels hot. Do not use ice.
- Refrain from strenuous physical activity for 48 hours after intervention.
- Refrain from using a sauna, whirlpool, or swimming pool for 48 hours following treatment. An increase in blood flow may break the coagulated capillary and cause treatment failure.

- To avoid hyperpigmentation, use sunblock and avoid sun exposure, including tanning salons, for one week. Wear a brimmed hat for outdoor activity until healing is complete.
- Do not drink alcohol 24 hours after intervention.
- Do not take aspirin for 48 hours, after intervention.
- Refrain to use irritating agents (AHA, Retinol, etc.) one week prior and 1 week after electrolysis treatment.



CAUTION !

- Never remove existing scabs! Removing scabs may leave red marks on the skin lasting several months.
- ALWAYS give a copy of this instruction sheet to the client.

Removing the scabs prematurely could leave red marks that would take several months to disappear.

10. Accessories for EVOLUTION ST 350

Accessories
Footswitch
Contact Electrode
Black Extension Cable
Red Extension Cable
Soothing roller
Clip for needle –holder
Screen pen (Silver)
NEEDLE-HOLDER LONG
NEEDLE-HOLDER SHORT
Satellite 2 LEDs
Quick installation manual ENG
1.6 A Fuse SB (110 / 230V)
Power cord 110V / 220V

- Please verify that you have received all accessories upon reception.
- When ordering, please use the corresponding product codes.
- Please keep box & shipping material to ensure safe shipping when returning your EVOLUTION ST350 unit for servicing.

NOTE: please contact Silhouet-Tone if you want to use other needles and needle-holders or any other accessories.

2 ergonomic probe holders,
2 lengths (short and long)
depending on the area treated



1 satellite 2 High Tech LED



1 comfortable and flexible
biocompatible return electrode



1 pedal with integrated shock
absorber



1 hygienic and safe active
electrode



1 hydration electrode last
generation



1 stylus pen for simple and easy
screen operation



11. Warranty

The EVOLUTION ST350 unit is warranted to be free from any manufacturing or assembly defects for **two (2) years from the date of purchase, for parts and labor only.**

Accessories such as the probe holder, cables and contact electrode are not covered by this warranty. **They are warranted 6 months.**

This warranty does not cover damage caused by accidents, or incorrect use, or a party other than SILHOUET-TONE attempting to repair this unit.

IMPORTANT: Please refer to Silhouet-Tone's Warranty Politics.

12. Maintenance

General maintenance

- In order to protect the device body, cables and accessories EVOLUTION ST350, it is recommended to clean them after each treatment with a pre-soaked surface disinfectant wipe.
- Note that accessories are not sterilizable.
- Do not use solvents or alcohol to clean them.
- For the screen, pass a very soft microfiber wipe without roughness.
- Keep the device away from any direct light source (natural or artificial light).
- CAUTION : Needles must be changed between each client/patient, each hair gauge and each area for maximum hygiene and safety.
- The appliance must be switched off and disconnected at the end of each day.

13. Trouble shooting guide

Some difficulties can be solved without the help of an expert. If a problem is encountered, try to follow the recommendations below first. If the problem persists, do not open the body of the device or try to repair it by yourself, contact the local Silhouet-Tone after-sales service.

The device turns on but does not work

- Check that the power cord is connected to the back of the unit.
- Check that your electrical outlet is working properly.
- Check the fuse at the AC cord connection on the body of the appliance. A 2nd fuse was provided when you purchased your device. Change it if it has a grayish color.

The device works intermittently

- Check all connections of the unit.
- Check that not all accessories are in direct contact with each other.
- Check the light signal on the satellite accessory (the latter representing the visual time of currents green galvanic current/ red high-frequency current).

The device is on but the current does not pass

- Check not to be in FOOTSWITCH mode and not in DETECTOR mode. To do this, check that the DETECTOR button is not selected on the main screen.
- Make sure that the filament holder and footswitch are properly connected.
- Check the stopwatch, restart it or select real mode.
- Check that the different device settings are not set to zero.
- Check that the needle is inserted into the filament holder.
- Check the light signal on the accessory (the latter representing the visual current passage time > green galvanic current/ red high-frequency current).
- Change the filament holder.

The device is on but the screen does not activate.

- Turn off the unit with the power switch, wait 4 min and turn it back on.
- Check your connection connections and wall outlet.

There is no current in DETECTOR mode

- Check the detection delay.
- Check current intensity and duration settings.
- Check all connections.
- Check the light signal on the satellite accessory (the latter representing the visual time of currents > green galvanic current/ red high-frequency current).

The beep does not work

Check the sound settings in the key.

14. After sales service

The device EVOLUTION ST350 is guaranteed 2 years excluding accessories.

- We advise you to always have a filament holder in advance, this element being major for your practice.
- Follow the troubleshooting guide if a problem should occur.
- If the problem persists, contact your local Silhouet-Tone service representative.
- When contacting service, mention the serial number of your device on the back of the device, the date of purchase and the name of the distributor that sold the device to you.
- We recommend that you keep the complete basic packaging of your device in case of return of the device (boxes and shims)

15. Technical specifications

Electrolysis

- Sequential Galvanic Current adjustable in intensity from 0.00 to 3.00 mA.
- Duration of the passage of the current adjustable in seconds from 0 to 6 seconds.
- Indicator light during the current passage time (on the body of the device and the Satellite).
- Audible signal at the end of the current passage time represented by the green LED.

Thermolysis

- 1 Frequencies available: 6.78 MHz
- Intensity adjustable from 0 to 150% (algorithms) depending on the body parts, areas and size of the hair to be treated.
- Duration of the passage of the current adjustable in seconds from 0 to 6 seconds.
- Adjustable number of pulses (répétitions x2).
- Indicator light during the current passage time (on the body of the device and the Satellite).
- Audible signal at the end of the current passage time represented by the red LED.

BLEND - Combined Currents

- Sequential current adjustable in intensity from 0.00 to 3.00 mA.
- Duration of the passage of the current adjustable in seconds from 0 to 6 seconds.
- Adjustable intensity from 0 to 100%.
- Duration of the passage of the current adjustable in seconds from 0 to 6 seconds.
- Indicator light during the current passage time (on the body of the device and the Satellite).
- Audible signal at the end of the current passage time represented by the red and green LEDs.

IN PRE-PROGRAMMED MODE:

- 9 body zones
- 7 face zones

PROGRAMS – In hair size mode:

- Very fine, fine, medium, coarse, very coarse

PROGRAMS – In manual mode: settings to zero.

FILAMENT HOLDER: 2 different references, each of the references being only compatible with isolated and uninsulated needles of size F.

Enable interchangeable current: Auto start or start by activating the pedal.

Detection time: Adjustable in seconds from 0.00 to 5.00 s.

ANAPHORESIS AND CATAPHORESIS:

- Direct galvanic current adjustable in intensity from 0.00 to 3.00 mA
- Inversely of the automatic polarization by the device.

Reverse of polarity: Automatic.

Indicator light: During the current passage time (on the body of the device and the Satellite).

Audible signal: At the end of the time of the passage of currents.

Language: Device available in 2 languages: French and English. By default it is delivered in English.

Hourglass and Stopwatch: Calculation of processing time up to 16 hours.

Processing time: Enable manual or pedal.

In real time: 0 at the end of the zone treatment, determined by the electrolyst. The device tells you the end of the treatment at 3 minutes from the end by a sound signal + a final sound signal at 0.

In hourglass mode: Enter the estimated treatment time before starting.

Audible signal: Adjustable in 2 levels: ON or OFF

Technical details

Screen :	Large 10.1 inch touch screen (25.654 cm)
Certifications:	CSA and FCC
Power supply:	110-240V / 50-60Hz – 1.7A
Device dimensions:	Width: 10.3 in (262 mm) Height: 6.5 in (164 mm) Depth: 14.7 in (374 mm)
Weight of the device:	Pounds (11.5) Kg (5.2)
Construction :	Metal housing
Electronic:	Microprocessor controlled
Permissible ambient temperature:	+10 to +40°C
Permitted relative humidity:	0% to 80% non-condensing

17. Terminology

A : abbreviation for Ampere. Unit of measurement of the intensity of an electric current.

Anaphoresis: pre-epilation treatment.

Blend: hair removal treatment that uses the combination of 2 different types of currents.

Cataphoresis: post-epilation treatment.

Electrolysis: hair removal method that uses galvanic current. Electrolysis is commonly referred to as permanent electrical hair removal.

Galvanic: Direct current that does not vary over time.

Hz: abbreviation of Hertz. Unit of measurement of the frequency.

Insertion delay: time interval between when the device detects that the needle is at the bottom of the follicle and when the current is automatically sent by the device.

M: abbreviation for milli.

Parameters: set of values (time, frequency, intensity), used for a particular program.

Programs: a set of parameters that allow treatment.

S: abbreviation for second.

Caustic soda: sodium hydroxide

Thermolysis: hair removal method that uses high-frequency alternating current.

V: abbreviation for Volt. Unit of measurement of electrical voltage.

Watt: Electrical power

EVOLUTION ST350 is a registered trademark of Silhouet-Tone Corporation

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