



BEAUTYTECK USER MANUAL

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1 CAUTIONS

The way the device is used is paramount to achieve the desired results, this is because the effects of the device are directly related to its modality of use. If misused, injuries may occur even if the device is set at minimum power. Applying the arc for an overly extended period on the same area of the skin constitutes poor treatment technique (or even recklessness) and can cause injuries. For example some undesired effects can occur, if the arc is kept on for longer than one second on the same area of the skin. If you are applying the spot operation for skin tightening, always apply the spots for less than one second and in very short instantaneous bursts (lasting less than one second).



Mishandling the device can cause hazards. Any sharp needle or sharp objects can cause injuries if mishandled. If the device is mishandled the needle can cause injuries even when the device is not operational. Therefore the device must be handled with care when the needle is inserted.

After performing any cosmetic treatment using the BEAUTYTECK Device it is highly advisable to instruct the client to apply the same precaution used with other cosmetic peels and similar devices on the area treated using the Device. The aftercare is generally more important than the cosmetic treatment itself and an aftercare leaflet must be handed out to your client. Once you have explained how to carry out the aftercare to your client and you are satisfied the client knows how to perform the aftercare this becomes a responsibility of your client as is up to your client to carry it out appropriately. The importance of the aftercare must also be appropriately emphasised in the informed consent form. Failure to follow the aftercare appropriately could lead to, infections, hyperpigmentation, hypopigmentation and even permanent scarring.

It is mandatory to perform a patch test before carrying out any treatments on a new client. The patch test must be carried out at consultation stage and can be performed behind the ear and on the wrist. This will demonstrate that if the aftercare is followed appropriately, there will not be any undesired effects. Similar procedures should be adopted when using any aesthetic lasers or similar. Only accessories approved by the manufacturer should be used in conjunction with the device.

This device is intended only for those users who have received appropriate training on the use of this device and hold a valid training certificate awarded by the company. Therefore this device is not intended to be used by any personnel who do not hold a valid training certification.

Wear the appropriate sterile disposable gloves during any treatment. Do not use the device in conjunction with any flammable antiseptic or any flammable gasses as the spark generated by the equipment during its normal use could cause the flammable substance to ignite. Hence, this device should never be used in the presence of flammable anesthetics, flammable prep solutions or drapes, oxidizing gases such as Nitrous Oxide (N₂O), or in oxygen-enriched environments. The risk of igniting flammable gases or other materials is inherent in the use of electrical arcs and cannot be eliminated by device design. Precautions must be taken to restrict flammable materials and substances from the site, whether they are present in the form of an anesthetic, skin preparation agent, or are produced by natural processes within body cavities, or originate in other materials. There is a risk of pooling of flammable solutions in body depressions such as the umbilicus and in body cavities. Any excess fluid pooled in body cavities should be removed before the equipment is used. Attention should be called to the danger of ignition of endogenous gases. Some materials, for example, cotton, wool and gauze, when saturated with oxygen may be ignited by sparks produced in normal use of the device.

As a precaution do not use on individuals who have a pacemaker or metal implant. Request that the client removes all metal objects (wrist watches, jewelery etc) and remove all metal objects from treatment area before using the Device. It is not advisable to use this instrument in the proximity of jewelry, eyeglasses, digital watches, portable radios, pocket calculators, hearing aids, etc. Do not use the device on small appendages or other parts of the body having a relatively small cross sectional area (ie fingers, ears etc).

The tips of recently activated electrodes may be temporarily hot enough to cause burns or ignite flammable materials. Temporarily unused active electrodes should be stored away from flammable materials.

As a general rule the output power selected should be as low as possible and the arc utilisation times should be as short as possible to achieve the desired effects. When uncertain of the proper control setting for the power level in a given procedure, consult this manual. Do not use the device for purposes different than those intended purposes stated in this manual. Do not use any other video aids or sources as a substitute to this manual.

Do not place liquid containers in the vicinity of the unit. Wipe spilled liquids off the unit immediately. **To prevent cross-infection, sterilise the electrodes using the appropriate steriliser before their use and after every use.**

Smoke generated during electro carbonisation may have harmful effects to the user and personnel. The use of surgical mask and adequate removal of the smoke using an appropriate smoke evacuator is recommended. Regularly inspect accessories for damage and device for possible damages. Use only accessories that have been approved for use with the BeautyTeck® By Areton LTD.

Sometimes failure of the unit could result in an increase in power output.

2. AFTERCARE

Aftercare is more important than the aesthetic treatment itself. If the area treated is not kept clean, there is a potential risk of developing infections and this applies to any type of aesthetic treatments. Aftercare is usually far more important than the way the aesthetic treatment is carried out.

It is also important to avoid direct sun exposure of the area treated for at least 3 months. Total sun screen must be worn every day even if there is no direct sun exposure. Although the risks of hyperpigmentation are low they still exist and they usually occur due to excessive sun exposure too early even while using total sun screen.

To summarise, the client has to:

1. Keep the area clean and avoid infections until the scabs have formed.
2. If they form, the scabs must not be picked and have to fall off by themselves.
3. Do not apply any makeup until any scabs which might have formed have fallen off by themselves.
4. Avoid sun exposure (even indirect) and wear total sunblock on the area treated after any scabs which might have formed have fallen off for at least 3 months after the last treatment.
5. Do not apply any plasters on the area treated.

Highly recommended:

1. Apply the appropriate soothing product immediately as the treatment has been completed. This will minimise the perceived downtime. (If you have performed skin tightening, do not remove the carbon residues intentionally).
2. Apply a suitable antiseptic or antibacterial cream. The client can use these type of products twice a day to minimise the risks of infection.

The aftercare after using AC Electrical arcing is more important than the aesthetic procedure itself.

3. GENERAL DESCRIPTION

The BeautyTeck is the ultimate generation of cosmetic devices for Cosmetic Clinics and Beauticians and it has commercial intended use only.

This instrument does not require any power cables to be connected to the mains, it is completely wireless and extremely versatile. It has a vast array of applications and these are limited to the manufacturer's protocols.

The BeautyTeck device has been designed to make cosmetic equipment portable, precise, safe, versatile and easy to use. It is a good substitute of cosmetic lasers and it can be used in conjunction with them, because the power levels of lasers are generally too high for the delicate procedures in cosmetics.

The principle of operation of the BeautyTeck device can be explained as follows:

The difference in voltage between the skin and the tip of the device produces a small electrical arc which is regulated by the embedded CPU.

4. BATTERIES

4.1 How to charge the batteries, using the standard battery charger.

The device comes with 4 special 3.6V batteries and 1 dummy battery as standard . A standard external battery charger is provided with the unit. As you insert the batteries the lights will come on automatically. Do not leave the batteries to charge for longer than 2 hours. If you forget the batteries on charge for longer than two hours this could shorten the batteries lifespan. Read the battery charger manufacturer's user manual for more information.

4.2 How many batteries?

The device has been designed to be used with either 3 or 4 batteries. Why the option of using either 3 or 4 batteries?

After thousands of hours of device operation, the need for battery durability as well as precision and low power has prompted the manufacturer to allow for these two options.

The use of three batteries allow the widest range of power levels. In this case the use of three batteries allows maximum precision of operation at minimum power (level 1). This very low power level allow a very high degree of precision and for the most delicate applications in cosmetics. Instead, when operating using 4 batteries, the device maximizes the battery durability due to higher capacity of the 4 batteries.

4.3 Three batteries mode

If you would like to use 3 batteries, use the dummy battery provided with the device. Insert one dummy battery provided with the device and also insert three fully charged blue batteries. As you insert the batteries, the equipment will power up automatically and the display will show the 4 battery option by default. Use the power button down on the remote control to select the three batteries option. As you selected the three battery option press on/off button and the unit will start up in three battery mode.

4.4 Four batteries mode

If you would like to use 4 batteries, simply insert four fully charged blue batteries provided with the device. As you insert the batteries the equipment will power up automatically and display the 4 battery option by default. Use the on/off button on the remote control for system start up.

4.5 How long should the batteries last?

When the batteries are new, they should keep the unit in full operation mode for over one hour using 3 batteries. Should the batteries last less this may mean that the batteries have started to deteriorate and they should be replaced.

Remember that the internal CPU always demands power from the batteries. Hence if the device is not turned off by using the magnet, the batteries will discharge in a short period of time.

4.6 How to extend the battery useful life.

The batteries are not covered by the manufacturer's warranty. In order to extend the number of times the batteries can be recharged and still hold their charge to a reasonable level it is recommended:

- not to keep the batteries in charge for longer than 2 hours
- to discharge the batteries completely before recharging them
- remove the batteries every time the device is not in use
- to avoid short circuiting the batteries

5. HOW TO POWER UP THE TIP

Once you have started the system up, by default the device will not power up the tip and the power setting will be at the lowest. At this point you can increase or decrease the power level to the target value required for the procedure you need.

If you want to power up the tip just press the on/off button on the remote control and the tip will power up. As the tip powers up, you will read “work” on the display and the blue “strip” led light will switch on as well. Then you can start operating the device as the tip will be operational.

6. HOW TO POWER OFF THE DEVICE

The device is powered on as long as the batteries are placed in the device. It is highly recommended to always remove the batteries from the device when the device is not in use. It is advisable to do this in order to extend the useful life of the batteries. In case the user prefers not to remove the batteries from the device and power off the BeautyTeck, it is possible to place the device upright on the magnet provided at the time of purchase.

It is recommended powering off the unit by using the magnet only when the use of the device is frequent. While placed on its magnet, the device will power off and the batteries will hold charge for approximately one week.

However in case the device is not used for a long period of time it is always recommended to remove the batteries.

7. NEEDLES

The needles provided are not sterile. It is essential to sterilise every needle, every time the device is used on a client. It is the responsibility of the user to sterilise the needles appropriately.

8. BASIC TECHNICAL DATA

Dimensions without needle	250mm x 70mm x 50mm
Power Input	3 or 4 Batteries
Maximum Output Voltage	1 KV
Frequency	90 KHz Sinewave
Type of Electrode Provided	Needle
Control	Remote IR Battery Powered

9. EQUIPMENT DESIGN LIFE

The design life of the equipment is over ten years for normal use. The equipment has not been designed to operate at full power for extended periods of time. The design life has been estimated correlating the life span of each single component. All the semiconductor devices chosen during the design of the equipment are made by high tech manufactures and the highest quality components currently available.

10. WARRANTY TERMS

The equipment comes with 1 year manufacturer's warranty. The warranty covers parts and labour in case of equipment breakdown due to manufacturing faults. In order for the warranty to hold valid, it is mandatory to register the device with the Manufacturer or Seller. **Removal or tampering with the labels will void the warranty.** The warranty does not apply to any parts subject to wear and tear.

Extension of the warranty is also possible at the time of purchase. The batteries are not covered by our standard 1 year warranty.

11. UNDESIRE EFFECTS AND CONTRAINDICATIONS

Like after the use of cosmetic Lasers, the immediate effects produced by the electronically controlled arc for cosmetic/aesthetic applications are similar to the ones produced by any cosmetic laser. Therefore, swelling of the area treated with the equipment is a normal reaction which occurs after sessions with the BeautyTeck Device. It is essential to inform the client in advance of such effects as failure of doing so can cause unnecessary distress to the client after the session.

Undesired effects:

- Hypo and hyper pigmentation.
- Abnormal scar formations including hypertrophic and atrophic scars. The risks of development of scar tissue is dependent on the individual skin reaction and cannot be eliminated by design nor by use with special precautions. The potential for scarring increase

if the treated area becomes infected during the natural skin recovery process. Alternatively it can also occur if the same area of the skin is at shorter intervals than those suggested in the instructions or the arc is applied for too long. Reckless use of the device can cause injuries and scars.

- Keloids in those individuals with natural predisposition to develop them.

All the above risks can be minimised but can never be discarded. Therefore appropriate information must be included in the consent forms which will need to be signed by the clients before proceeding with any treatment including patch testing.

The person subject to any treatment must be healthy with no underlying medical conditions. The client must not have taken any medication within the 7 days before the treatment.

Do not use on people:

- With herpes simplex even if not active.
- Breastfeeding
- Pregnant
- Taking any medication within 7 days from the cosmetic treatment.
- Clients with Pacemakers or metal implants.

12. BASIC RULES FOR OPERATION IN COSMETICS

- Keep clear legible notes of the way you have conducted the treatment. It is strongly recommended to Video Record **every treatment you carry out**. Take plenty of before pictures and keep video and photographic evidence electronically for your record. It is recommended to store this information for at least 10 years.
- Always have a consent form signed by the client before you start any treatments including

patch testing. It is recommended your insurer help you reviewing the informed consent form.

- Before any aesthetic treatment is undertaken on every new client, a patch test **must** be performed on a small area below the chin and behind the ear to make sure the client does not experience any adverse reaction to the cosmetic treatment. Let the area recover over a 2 weeks' period. After it has been established that there had not been any hyperpigmentation, hypopigmentation, keloids formation or any adverse reaction, the user can go ahead and perform the full aesthetic treatment.
- If you are using the device for skin tightening do not remove the carbon residues after the treatment.
- The outcome of the aesthetic procedure is directly related to the way the device is used and not only the power level. The longer the arc is applied the deeper the effects on the skin or the benign lesion. Conversely the shorter the duration of the arc at any given point the milder or superficial the effects. If you are using the device in spray operation (when the arc is sprayed over the area you are treating) the effects on the skin or benign lesion are related to the speed motion of the electrode, at any given power level.
- If accidental minor damage is caused to the upper dermis this itself does not usually lead to scarring or adverse reactions, provided that the aftercare is carried out properly. However, it must be borne in mind, that the more damage is caused to the dermis the higher the likelihood of developing scars or other undesired effects.
- Once you have finished the treatment apply suitable antiseptic and soothing product on the area treated.
- Allow a minimum of six weeks before repeating any treatment on the same area. In any case make sure the area has fully recovered before repeating the treatment.
- Do not treat an overall area larger than a 50 pence coin, at a time. If you have to treat large overall area split the treatments into small areas and allow each area to recover fully before moving to treating another area of the body.
- Applying appropriate numbing cream on the area before proceeding with the patch testing or treatment is not mandatory, however increases the client's comfort during the aesthetic procedure.
- Do not treat areas which present a challenge to keep clean, or could present challenges during the aftercare.
- Use the device with prudence and always adopt a conservative approach.

The most important power levels for cosmetic treatments are the lowest with three batteries. The highest power setting is used to remove the main bulk of benign moles and benign growths.

13. APPLICATIONS

ARETON BEAUTY is a very versatile portable cosmetic equipment. **The device is to be used only for aesthetic purposes any other purposes are strictly forbidden.** The user must adhere to these cosmetic applications as outlined in this manual. No training aid should be interpreted as a substitution of this instruction manual. The user must check that these cosmetic procedures are regarded as such in their respective countries.

14. PRACTICE GENERATING THE ELECTRICAL ARC

Before you move to performing aesthetic treatments you must learn how to generate the arc while the device is set at minimum power level with three batteries. In order to do so practice generating the arc on a piece of steak or chicken leg.

First set the device at maximum power and practice generating the arc. You will notice that the arc is generated without the need of touching the surface of the meat. Once you feel you are confident in generating the electrical arc at maximum power level, start progressively lowering the power level of the device until reaching the minimum setting (level 1, three batteries configuration). Practice generating the arc at this power level, once you are comfortably able to generate the arc at minimum power setting then you can begin performing the aesthetic procedures.

15. BROWN SPOTS REMOVAL

The power level preferred for this type of procedure is level 1 using three batteries. Apply the tip of the device on top of area you intend to treat for brown spot removal and (without touching the skin) carbonise very quickly in spray mode. Spray the brown spot only once (avoid spraying over the same area twice) and wipe off the carbon residues using a cotton pad impregnated with non flammable antiseptic. Usually one quick spray motion suffices to achieve the desired results. Do not spray over the upper part of the dermis as this is not needed and could increase the risks of scarring.

16. SKIN TIGHTENING

Superficial peels by using the device in spray operation produce very similar rejuvenating effects to the use of TCA, Glycolic, Mandelic acid etc. Also similar results can be obtained by using the device in spot mode. The power setting to be used is level 1 with three batteries.

The results of cosmetic peels are wrinkle reduction and attenuation. This applies to perioral, periorbital wrinkles attenuation and upper and lower eyelid rejuvenation.

Apply arc, in a random fashion, in very short bursts (lasting a fraction of a second, less than a quarter of a second) distanced 3 to 4 millimetres apart. Do not apply the spots inside the wrinkles folds or body any cavities.

17 REMOVAL OF BENIGN LESIONS (MOLES)

Only benign moles can be removed with this device. To make sure they are benign, they must be checked by a dermatologist first.

In case of thick moles, use level one with four batteries and use the device in spray mode. In case of

particularly thick moles (over 4 mm in thickness) the power level can be increased only in order to speed up the removal process. After every spray operation the carbon residues have to be removed using a cotton pad impregnated with non flammable antiseptic. Once the mole residue is protruding approximately 2 mm from the surrounding skin, the power level must be reduced to the minimum for maximum precision of operation. Keep spraying on top of the mole and wipe off the carbon residues after every spraying motion, until the mole is leveled off. The first time the device is used for this application the user must utilise the device at level one with three batteries even for thick moles.

In any case, even once you have acquired experience with the use of the device, if your client is requesting to have a type of benign lesion removed which you are not yet familiar with, always use the device set at minimum power level with three batteries.

If in doubt in regards with the nature of the lesion your client requests you to treat, refrain from treating the lesion and refer the client to a specialist.

18 TATTOO FADING (REMOVAL)

18.1 Use of osmosis for tattoo fading

Refrain from using osmosis altogether (the timed use of sterile sodium chloride on the tattoo after the use of electrical arcing) on those areas of the skin which are easily prone to infection or are subject to rubbing with clothing, bending, creasing or stretching (i.e. waistline, elbows, wrists, knees, shoulders, ankles etc). It is not advisable to carry out osmosis on areas subject to rubbing with clothing, bending, creasing or stretching because the recovery of these areas are more challenging than other parts of the body. Therefore when you assess a tattoo if you think that the area where the tattoo is situated could be challenging during the aftercare or if you deem the area would be too easily prone to infections, either refrain from using osmosis or refrain from performing tattoo fading treatments altogether.

18.2 Patch Testing before Tattoo Fading (or Tattoo Removal)

Patch test every client on a very small part of the tattoo before performing any full tattoo fading procedure. Allow at least two weeks' period after the patch test before starting the tattoo fading treatment. If you intend to use osmosis on the tattoo, patch test using osmosis during the tattoo patch testing. The area to be patch tested has to be no larger than a quarter of a pence. Remember to have the consent form signed before you patch test for tattoo fading. Once the area of the tattoo you patch tested has recovered completely, no adverse effects are apparent, and the client consent to continue the tattoo fading treatment then you can start the normal tattoo fading procedure.

18.3 How to carry out Tattoo Fading (Tattoo Removal)

Do not treat an area larger than a 50 pence coin at a time.

Set the device at level one and use "three battery configuration". Spray quickly on the area of the tattoo you intend to treat only once and remove the carbon residues. Let the area recover for 8 weeks and repeat the treatment if appropriate.

Scabs can form within 4 days from the treatment. They must fall off by themselves. After each recovery period the tattoo will have faded slightly

If you intend to use osmosis, set the device at level one and use "three battery configuration". Spray quickly on the area of the tattoo you intend to treat only once and remove the carbon residues. Apply **very fine** sterile salt on the area you have treated and bandage. Make sure neither you nor your client scrubs the salt against the area treated during application of sodium Chloride. Leave the part bandaged for 30 minutes maximum. Remove the bandage, carefully wash and disinfect with a mild antiseptic (ie Benzalkonium Chloride) and apply an appropriate antiseptic cream. Let the area recover for 8 weeks and repeat the treatment if appropriate.

Scabs should form within 4 days from the treatment. They must fall off by themselves. After each recovery period the tattoo will have faded slightly

In any case the treatment must be superficial and no damage must be caused to the dermis.

Remind the importance of the aftercare and handout an aftercare leaflet to your client. The aftercare information must also be clearly stated in the consent form. Failure to carry out the aftercare appropriately can result in complications and scarring.

Allow a minimum of 8 weeks before repeating the treatment on the same area. If after 8 weeks the area is tender refrain from repeating the treatment.

19. PERMANENT MAKEUP REMOVAL

Permanent makeup is a tattoo technique generally used for cosmetic purposes. Any permanent makeup made for medical purposes must not be removed using this device. Patch test a small area of the tattoo before moving to treat the area fully.

Use level one with three batteries in spray mode apply the tip of the device in spray mode. Spray on the tattoo only once. Remove the carbon residues with a cotton pad impregnated with non flammable antiseptic. Do not cause damage to the dermis.

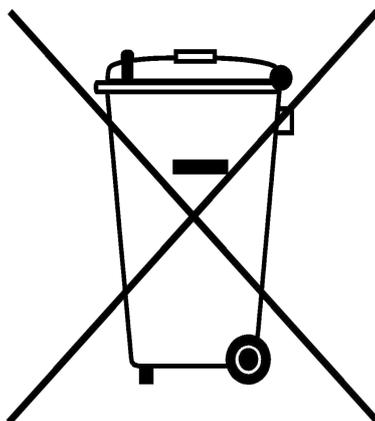
Apply, on the area you have treated, a paste made by sterile salt and sterile saline solution. Keep the paste for a maximum period of 15 minutes. Rinse and disinfect using benzalconium choride. Once the area is dry apply the appropriate antiseptic cream.

In any case the treatment must be superficial and no damage must be caused to the dermis.

Remind the importance of the aftercare and handout an aftercare leaflet to your client. The aftercare information must also be clearly stated in the consent form. Failure to carry out the aftercare

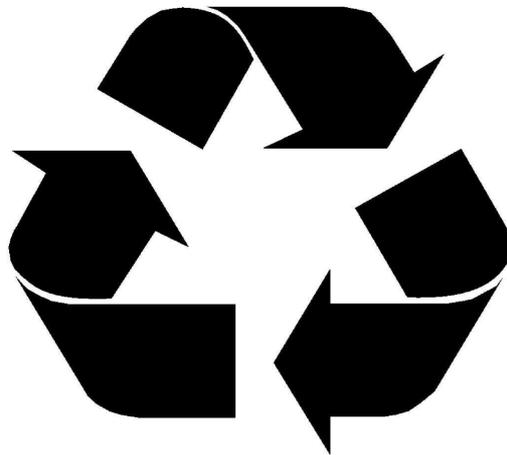
appropriately can result in complications and scarring.

Allow a minimum of 8 weeks before repeating the treatment on the same area. If after 8 weeks the area is tender refrain from repeating the treatment.



**15. Information for correct disposal of the product in accordance with EC directive
2002/96/EC**

At the end of its working life. The product must not be disposed as Urban waste. It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service.



Disposing of electrical products separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources. As a reminder of the need to dispose of electronic products separately, the product is marked with a crossed-out wheeled dustbin.



Do not expose the device or the batteries to naked flame.

Although the batteries and device are not flammable, do not expose them to naked flame.