

# ***iBeautypen® 2***

## ***User Manual***





# Introduction

## What is Microneedling?

*Also called Skin Needling or Collagen Induction Therapy (CIT). Micro-needling is aimed at stimulating the body's own collagen production to reduce the appearance of fine lines and wrinkles, stretch marks, skin laxity and scarring. It has also been successfully used for hair restoration in cases of alopecia.*

## What is the Principal behind Microneedling:

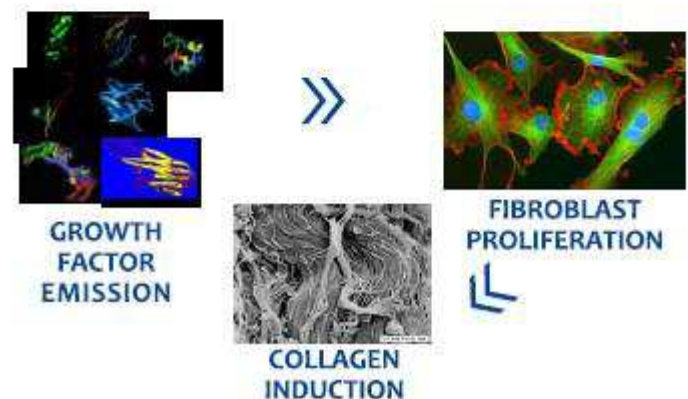
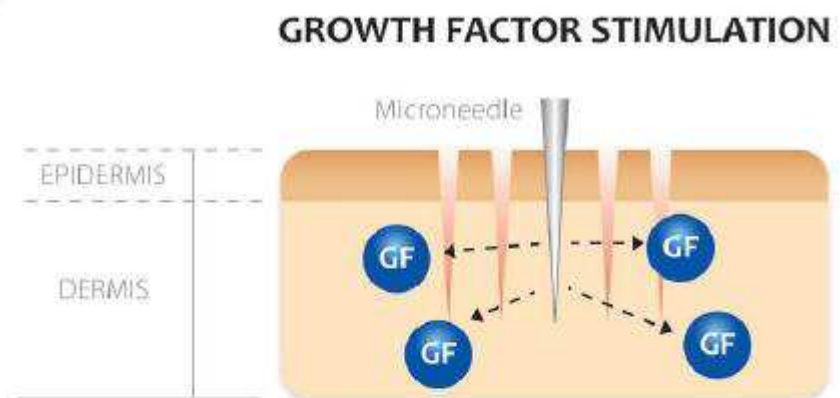
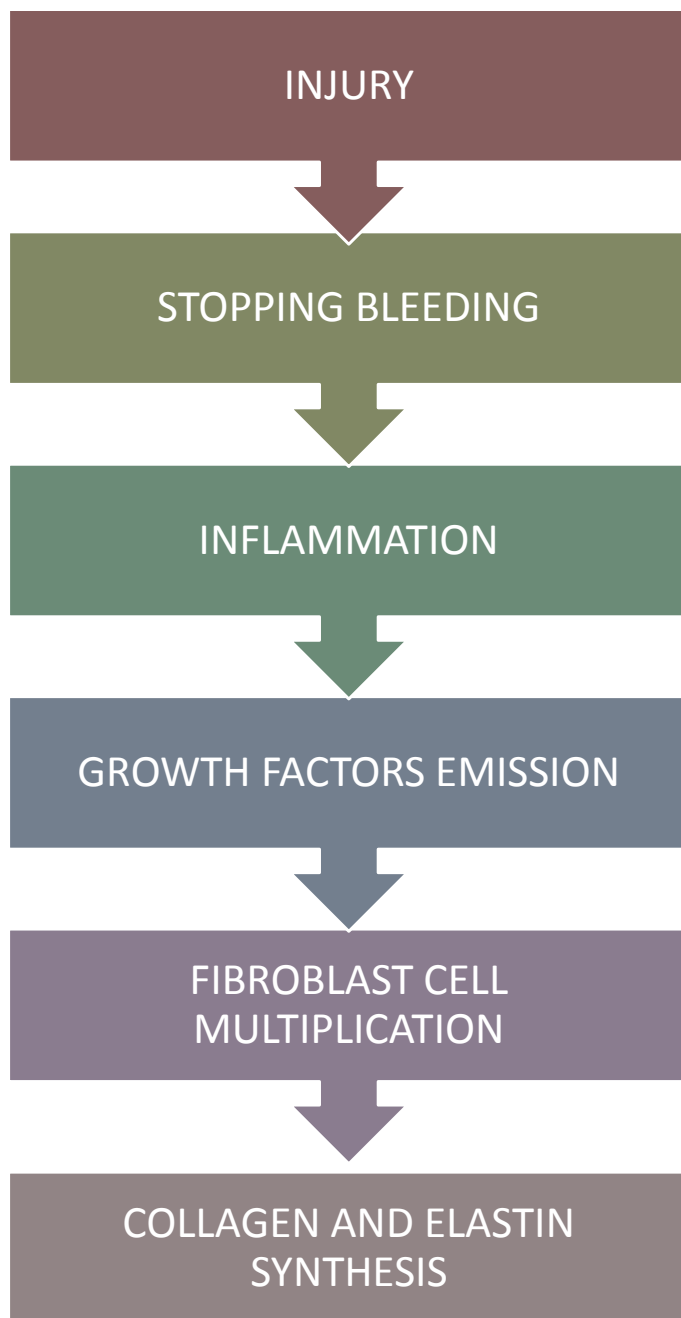
*iBeautypen® 2 microneedling is a form of Collagen Induction Therapy (CIT). The idea behind CIT is similar to that of many other non-surgical skin-tightening procedures in that it aims to create a controlled Non-Thermal injury underneath the skin's surface, thereby inducing the body to respond through the formation of new tissue layers of elastin- and collagen fibers (neo-collagenesis) as well as new capillaries for an improved blood supply (neo-angiogenesis) in the treated area. The skin plumps and thickens in response to this stimulus, ultimately reducing the appearance of scars, and fine lines and other skin texture changes. Whenever we can generate openings in the skin we have an opportunity for topical to penetrate more readily through the channels created.*

## Application

- *(0.2 -0.3 mm) are for increased penetration of skin care products into the skin and overall improvement of skin color and texture. The recommended treatment interval is 3 - 5 days*
- *(0.5 mm) are for wrinkles, anti-aging, light acne scarring, chicken pox scars, acne scars, also recommended for thinning hair. The recommended treatment interval is 1 weeks.*
- *(1.0 mm) are for deep stretch marks, cellulite and deep scarring. The recommended treatment interval is 1~2 weeks.*
- *(1.5 mm) are for more severe cases, deep scars and wrinkles, rejuvenation of ruined skin. The recommended treatment interval is 1~2 weeks.*
- *(2.0mm--2.5mm) are for severe cases of scarring and wrinkles. The recommended treatment interval is 2 weeks.*

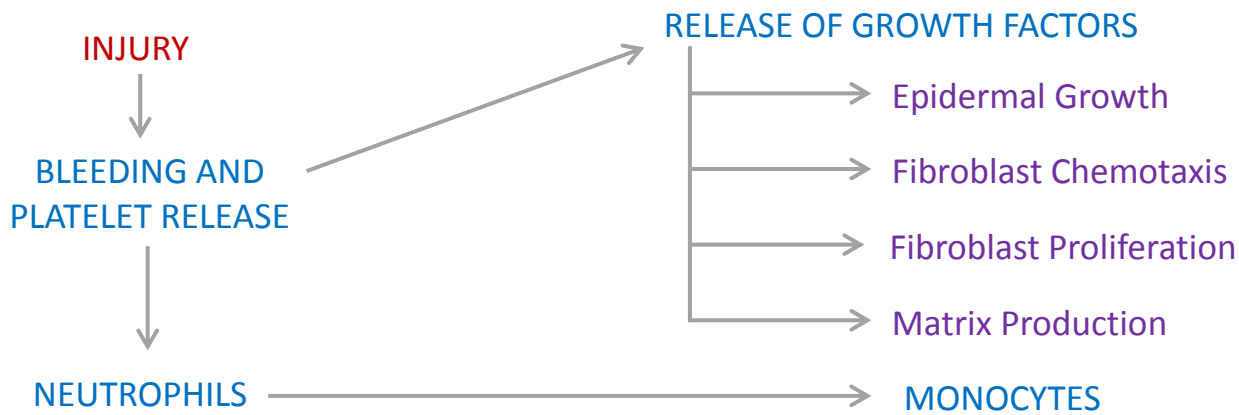
## How iBeautypen® 2 Works?

*Collagen Induction Therapy (CIT), or micro needling, is the procedure by which the body's natural response to healing is used to increase the amount of extracellular matrix such as collagen or elastin in the skin. iBeautypen® 2 creates micro-channels that allow for leakage of blood, serum, and lymph in a controlled and temporary manner. These "injuries" are enough to initiate the wound-healing cascade. There are three basic phases to illustrate how micro needling works.*



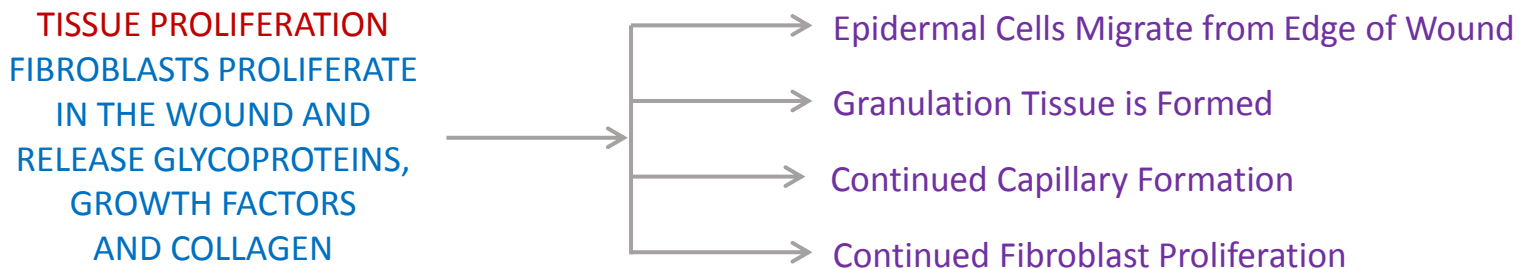
## Phase One | Inflammation

Activated by piercing the dermal tissue, platelets release cytokines and growth factors which act as signals for the body's immune system. Neutrophils and macrophages cells are sent in to disinfect the wounds, clear the debris, increase the blood supply (a process called angiogenesis), and begin the creation of fresh, new cellular and extracellular materials (the granulation process).



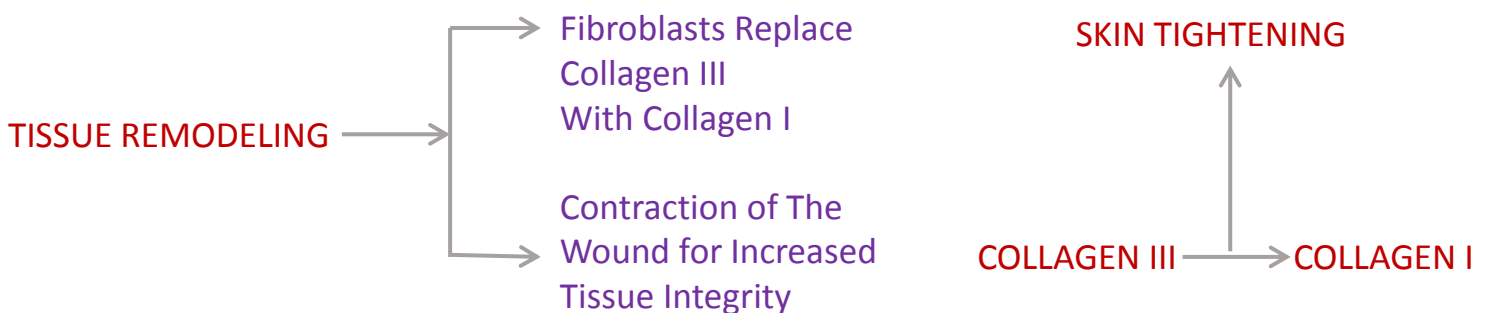
## Phase TWO | Proliferation

In this stage, the fibroblasts (cells that make up much of the dermis and create the extracellular matrix) keratinocytes and epidermal cells continue to divide to populate the areas of damage and secrete growth factors and extracellular matrix, such as elastin and collagen.



## Phase Three | Remodeling

At this stage, the wound has been replaced with new dermal tissues and the newly formed vasculature is now matured. The collagen in the newly formed tissue is now replaced with the stronger collagen and the tissue contracts to cause a "shrink-wrap" effect of the skin.



# Installation

## What is in the Case?

*iBeautypen® 2 includes all the parts list as following*

*Aluminum travel box*

*1 unit iBeautyPen device + 1 power adapter*

*5 pcs of needle tip: 1 pcs of 1 pin needle tip+ 4 pcs of 12 pin needle tip*

*3 pcs of device protective sheath + 1 pcs of wire protective sheath for power adapter wires*



## How to Operate Device?

### ■ 1, Setting

- 1) Plug in DC adaptor to the jack.
- 2) Plug in DC adaptor to AC outlet

### ■ 2, Preparation

- 1) Take out needle cartridge in the sterilized packing
- 2) Fitting the needle into machine slot, push needle cartridge horizontally up to the end.
- 3) Lock the cartridge by turning it to the counter clockwise.
- 4) Adjustment of needle length should be done after turn on the machine
- 5) If you want to remove the needle cartridge, turn it to the clockwise and push out horizontally

### ■ 3. How to Start Device

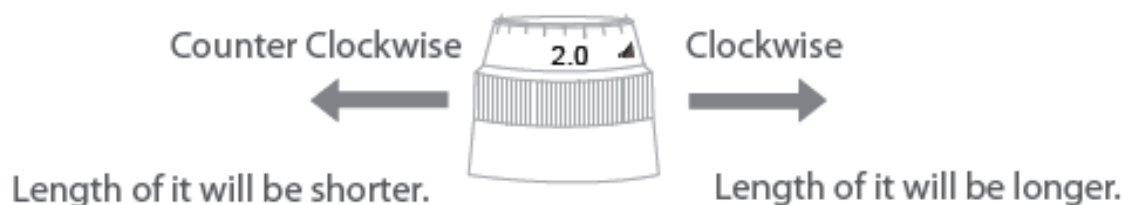
- It will start working by **keeping press on/off button for about 3 seconds.**

### ■ 4. Speed adjustment

- It starts from the lowest speed to the highest. when you turn on the power firstly, It will show speed level 1 on screen, then press on/off button again, it will turn to speed level 2, press again, turn speed level 3 until speed level 6.

### ■ 5, Needle length adjustment

- You can adjust the length of needle by turning the adjustment ring clockwise or counter clockwise. Turning it clockwise, length of it will be longer. Turning it counter clockwise, length of it





## How to Charge the Battery?

*Connect Battery part and battery charging part as below picture shows*



*Plug in DC adaptor to the battery charging part and it will charge automatically.*

*The Charging time is about 2 hours or until the light turns from red to green, indicating that the battery has been fully charged.*

*Click below video to show the demo of charging battery.*

<https://youtu.be/n4eZ8y-GZaI>

## How to use micro needle device iBeautypen protective safety sheath



*Click below video to learn how to use iBeautypen protective safety sheath.*

<https://youtu.be/kiaAU3uy9oU>



# Treatment Operation

## How to Operate?

1. *Clean skin by removing all make up, moisturizer, self-tanner, sunscreen cream etc. with soap and water or alcohol pad.*
2. *Exfoliate the skin using versatile cleanser combining with non-crystal microdermabrasion system or skin scrubber such as [Diamond 17](#) or our [skin scrubber](#). (Optional but recommended)*
3. *Apply numbing cream to treatment area and leave for 15 ~30 minutes*
4. *Remove numbing cream thoroughly*
5. *Apply antiseptic wipe to treatment area*
6. *Apply active product to treatment area*
7. *Select the corresponding speed and needle depth*
8. *Begin treatment*
9. *To maximize results, it is recommended to follow a facial mask, leave mask on for 10-30mins, then remove and discard.*
10. *Finish by applying vitamin repair solution. Smooth 3-5 pumps over the treatment area and gently massage in. If conducting treatment at a time when you will be exposed to sun and elements (morning or daytime) use of SPF Cover and Recover is recommended.*

## Best Practices

1. *Always make sure your iBeautypen® 2 has a full charge before starting treatment if you want to use battery part instead of adaptor .*
2. *Always make sure the needle depth is set to "0" before inserting a new tip.*
3. *Always make sure the needle depth is set to "0" before starting a new treatment.*
4. *Always power iBeautypen® 2 on BEFORE selecting needle depth*
5. *Always perform 'test patch' on patient before continuing treatment at selected depth*
6. *Always lift iBeautypen® 2 before changing directions during treatment. Do not turn or pivot while in contact with the skin. Lifting before changing direction will prevent scratching.*





# Region and Needle Depth



DEPTH	SPEED LEVEL
Under 0.5mm	S~1
0.50-0.75mm	1~2
0.75-1.25mm	2~3
1.25-1.50mm	3~4
1.50-2.50mm	5~H



REGION	NEEDLE DEPTH	
	THIN SKIN	THICK SKIN
Forehead	0.25-0.5mm	0.5-0.75mm
Between Eyebrow	0.25-0.5mm	0.5-1.0mm
Nose	0.25mm	0.5mm
Eye Area	0.25mm	0.25mm
Cheek Bone	0.5mm	0.5-1.0mm
Cheek and Chin	0.5-1.0mm	1.0-2.0mm
Lip Area	0.25mm	0.5-1.0mm
Lips	0.25mm	0.25mm
Facial Scarring	1.0-1.25mm	1.5-2.0mm
Stretch Marks	1.0-1.5mm	1.5-2.5mm
Surgical and Burn Scars	2.0-2.5mm	2.2-2.5mm

## NOTE

1 Visible change to the skin: several days or a week

2 Result can be continued up to six month

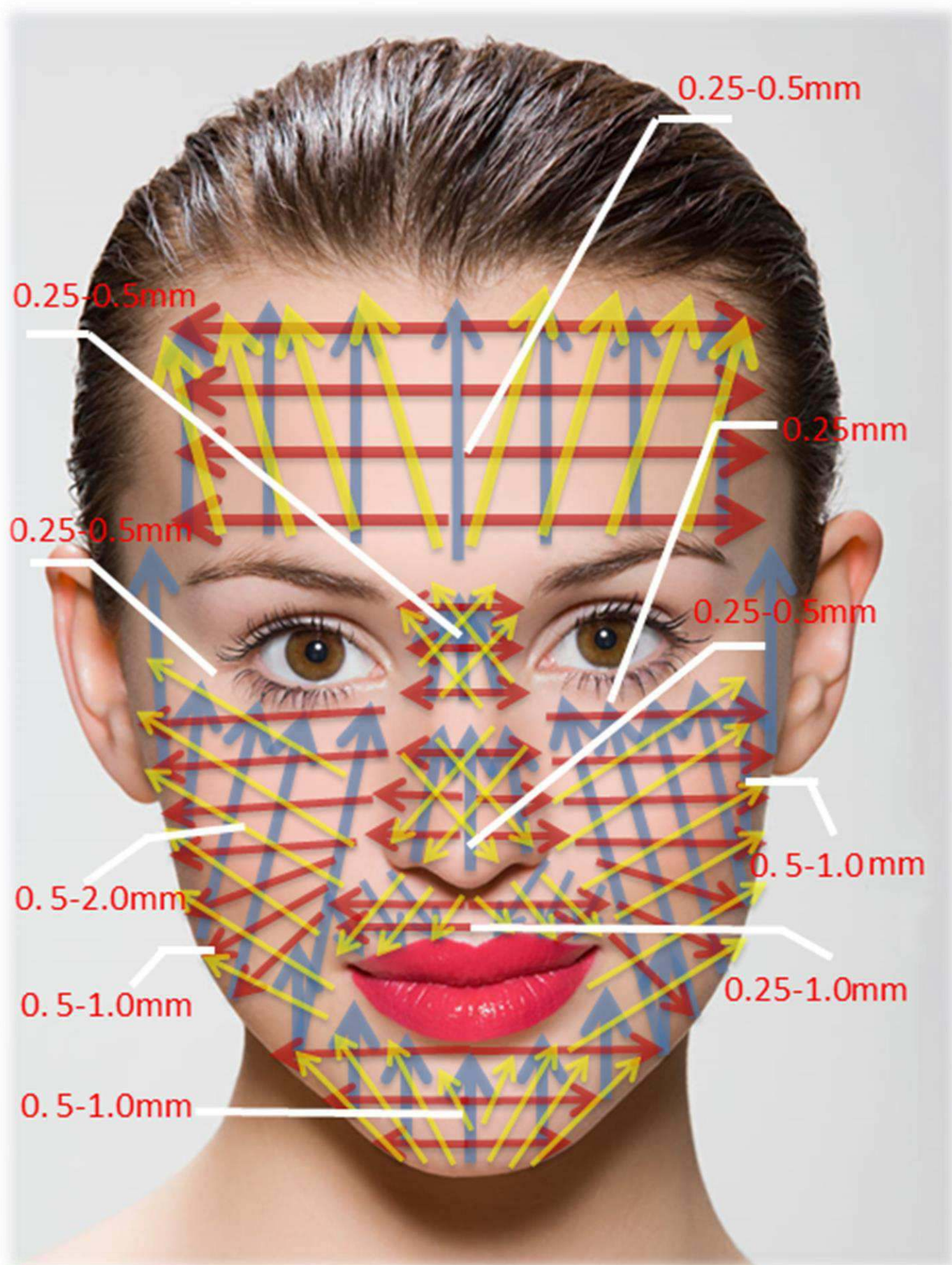
3 Most case treatment times: 2-3

4 most case treatment interval: 4-6 weeks apart

5 For deep wrinkle, acne scars, stretch marks, 6-8 treatment times, 6 week intervals



## How to Operate the iBeautypen® 2 on Target Area





## How to Move the Device on Target Area?

### *1<sup>ST</sup> DIRECTIONALITY (BLUE)*

*Treat using the “striping” technique and follow the direction bottom to top.*

*Start at the bottom of the movement and treat with upwards strokes.*

### *2<sup>ND</sup> DIRECTIONALITY (RED)*

*Making constant contact, start medially and work laterally from inside towards the outer face.*

*Pick up the tip from the face at the end of the outer face and then repeat starting from the inside to the out face. This creates a “striping” movement which follows protocol.*

### *3<sup>RD</sup> DIRECTIONALITY (YELLOW)*

*Outward and upward (except on the nose and upper lip).*

[Click here to watch the treatment video online.](#)

**Video links:** [https://youtu.be/V6U\\_jym0LP8](https://youtu.be/V6U_jym0LP8)



[Click here to watch another training video about operation caution](#)

**Vido links:**

<https://youtu.be/lCxphQ3FFK8>



## Side Effects

*After the procedure, the skin will be red and flushed in appearance in a similar way to moderate sunburn. You may also experience skin tightness and mild sensitivity to touch on the area being treated. This will diminish greatly after a few hours following treatments and within the next 24 hours the skin will be completely healed. After 3 days most visible erythema will be absolved.*

## Contraindications

- *Keloid scars*
- *History of eczema*
- *Psoriasis and actinic(solar) keratosis*
- *History of Herpes Simples infections*
- *History of diabetes; presence of raised moles, warts on targeted area*

## Absolute Contraindications

- *Scleroderma, collagen vascular diseases or cardiac abnormalities*
- *Blood clotting problems, active bacterial or fungal infection, immuno-suppression*
- *Not recommended for women who are pregnant or nursing*












## iBeautypen® 2 Maintenance

*iBeautypen® 2 does not need a special maintenance, however it is advised to follow the below tips*

- *Always dispose of single-use needle tip in proper sharps container immediately after each treatment.*
- ***DO NOT*** *keep or store disposable tips for later use.*
- *Using a clean gauze or paper towel, wipe down the entire surface area with Isopropyl Alcohol before and after treatment. Use Alcohol soaked cotton swab to clean in tight spaces.*
- *Always wipe with alcohol before returning iBeautypen® 2 to storage case.*



## Caution

	Please be sure to read the instructions before use and follow as described.
	Do not apply it to the man as follows: 1. Who has acute disease or bloody disease over 38℃ 2. Who has allergy and hemophilia 3. Who has melanosis of the face 4. Who has high internal heat 5. Who regularly visits hospital 6. Who takes medicines 7. Who is under 12 years old
	Do not use it on the power other than AC110~220V. It may cause fires or malfunction.
	Do not use it near the place with high temperature, dust or humidity (Near the humidifier). It may cause malfunction.
	Do not repair, disassemble or alter the controller and the body. It may cause malfunction.
	Do not touch the device or detach the power cords with wet hands. It may cause electric shock.
	Do not use the stripped or propped cord. It may cause fires (Be sure to replace it with another).
	Do not use the propped cord which has cracks or scares. It may cause scares on the skin.
	When you don't use it for a long time, unplug it from the outlet.
	Be sure to have an inspection for test. If any troubles are found, get it repaired.
	No one other than the operator can touch it. It may cause accidents or malfunction.





## Specifications

Product Name	iBeautypen® 2
Input Power	AC100-240V 50/60Hz
Output Power	DC5V 1A
Speed	Max 12,000rpm
Needle Depth	0-2.5mm
Battery Charging Time	2 Hours
Battery Working Time	1 hour
Needle Cartridge	Disposable; 33 gauge; Sterile
Gross Weight	1.5Kg
Package Size	265*180*100mm

## Warranty

*The iBeautypen® 2 is manufactured under strict quality controls throughout the process.*

*The warranty covers defects in operation of your device during the 12 months from date of purchase.*

*Any break in performance due to a manufacturing defect will be attended any repaired during 12 month warranty*

*Damages described below will not be covered by warranty:*

- *User's fault by lack of caring*
- *Un-authorized electric currency connection defaults*
- *Faults by the users own intention of dismantle or repairs*
- *Damages caused by natural disaster (fire, flood, earthquake, etc.)*
- *Drop by operator's error*
- *Replacement to new parts*