



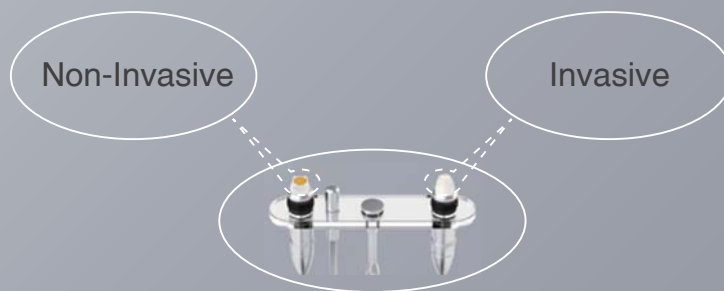
PINXEL

Micro Needle Rf & Fractional Rf



Introduction of Pinxel

Pinxel is designed specially for delivering RF energy directly to epidermis or dermis layer in order to stimulate and re-model collagen effectively by either RF micro needling mode (invasive) or RF matrix mode (non-invasive). It can be used for both epidermal applications and dermal applications in one platform without changing any operational environment.





Single System
Fractional RF and Bi-polar RF



Negative Polar



Two Tips



The Screen
Easily Touch

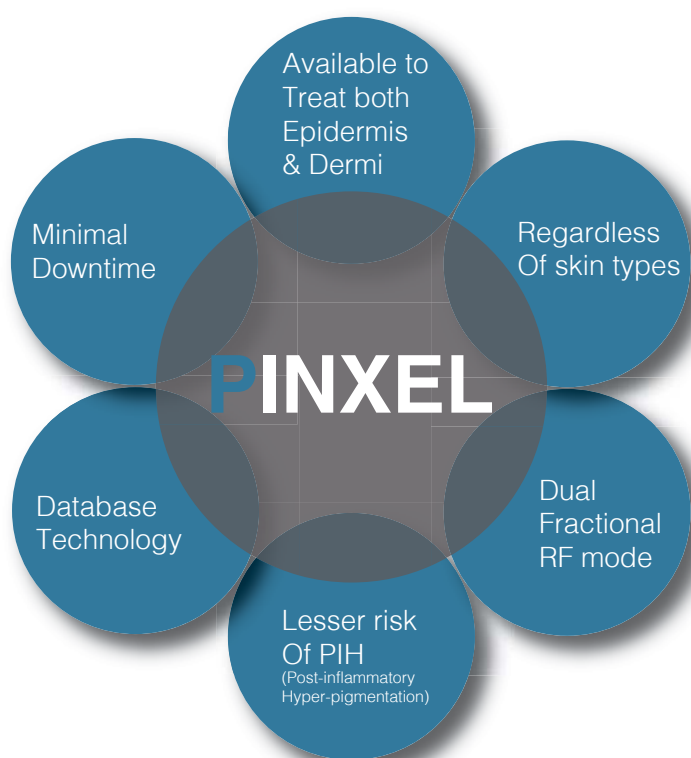


Foot Switch



Fractional RF
Micro-Needle
Treatment area :
Middle & Down
Dermis

Fractional RF
Sub-lative
Rejuvenation
Treatment area :
Epidermis &
Superficial Dermis



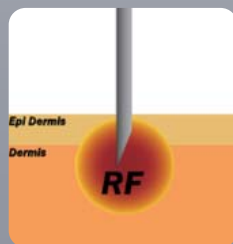
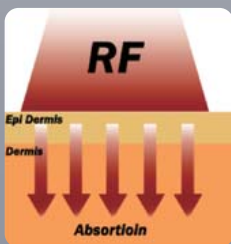
Specification of Pinxel

Specifications	
System Type	Mono & Bipolar RF
	Bipolar RF
Frequency	2MHz
Total RF Treatment Level	Up to Level 10
Dual Operation Mode	Fractional RF Micro-needle
	Fractional RF Sub-lative
Max. Energy	50W
Disposable Tip	Micro-electrode needle
	Micro- electrode tip
Depth of Needle	0.5 - 3 mm (Adjustable)
Display	10.4 inch LCD
Switch	Foot Switch
Dimension(mm)	280mm(W) x 505mm(L) x 1100mm(H)
Weight	20kg
Electrical Requirements	AC/100-240 V, 50-60 Hz

RF versus Laser

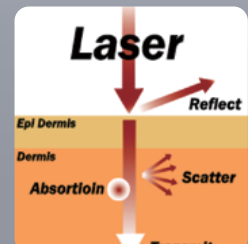
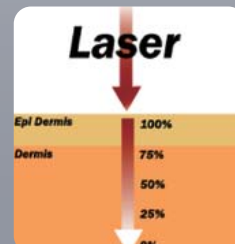
Radio Frequency

- No matter what skin type is
- Easy penetration up to target area
- Less risk of side effects
- Easy to control depth
- Delivering energy directly into target area without loss of energy

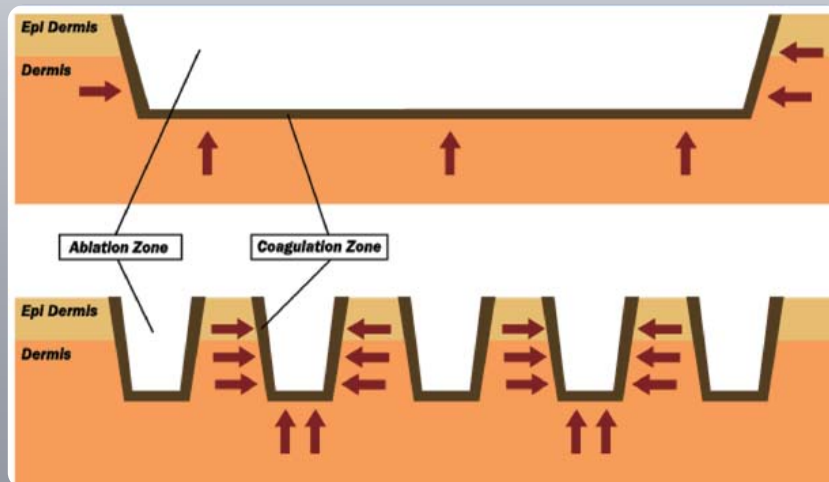


Laser

- Selective laser absorption
- Penetrations vary depend on absorption rate for water, hemoglobin, melanin etc.
- Hard to control depth
- Delivering energy to target area varies depend on a various parameters such as absorption rate



Advantage of RF fractional



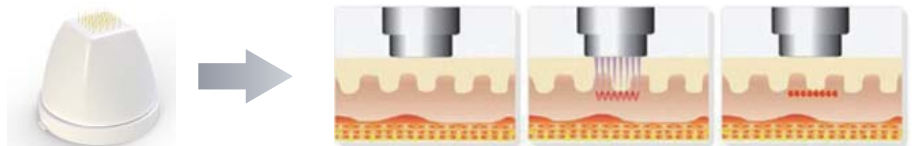
Idea of Fractional technology results in quick wound healing reaction from surrounding tissues, which is not damaged.

PINXEL



Fractional RF Micro needle

- Micro needle RF is for invasive treatment.
- An effective and direct thermal stimulation for remodeling collagen with less damage on epidermis
- Micro needle delivers RF directly to target area and reforms collagen and elastin effectively without any energy loss like laser treatments



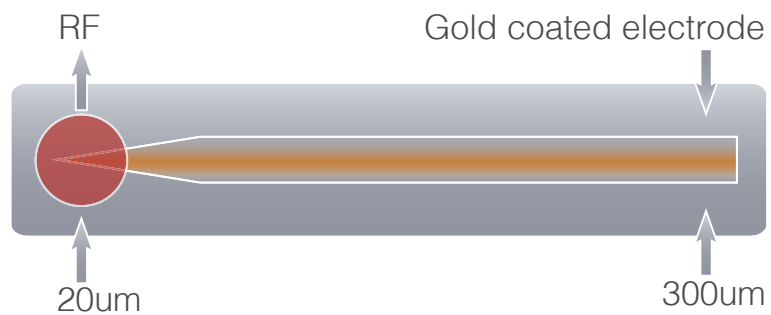
Micro
Needle
(Direct energy
delivery)

Radio
Frequency
(Thermal
Damage)

Satisfactory
Results

PINXEL

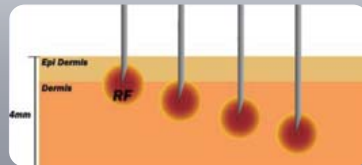
Fractional RF Micro needle



- Micro Needle RF penetrates target area from epidermis to dermis without energy loss and stimulate disordered collagen in order to remodel it efficiently.
- Stepping motor driven mechanism enables to control penetration depth precisely and accurately

Needle Depth

It is available to adjust penetration depth from 0.5mm to 3.0mm by 0.1 mm increment. So it is easy to be on target .
Needle Depth : 0.5 mm to 3.0mm



PINXEL



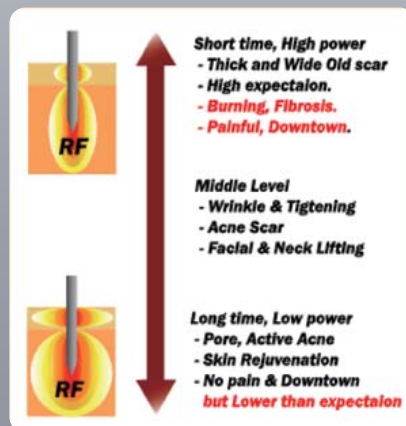
Fractional RF Micro needle

Duration time & energy

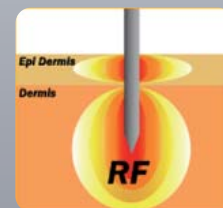
Pinxel is able to create various energy fields for each applications

Emission : 0.1 sec to 0.9 sec

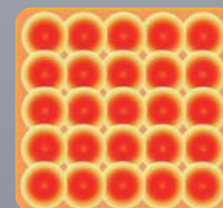
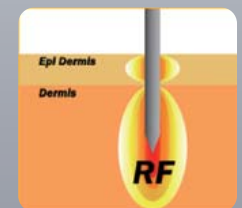
Intensity level : 1 to 10



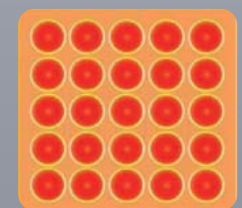
Power 1.6
(0.8 sec X Intensity 2)



Power 1.6
(0.2 sec X Intensity 8)



Long time and
Low Intensity



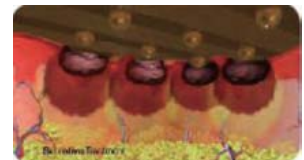
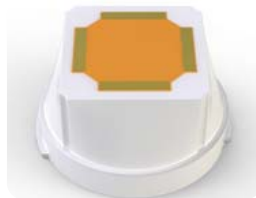
Short time and
High Intensity

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Fractional RF

- Fractional RF is...
The Fractional RF delivers thermal energy to the treatment area more safely, more effectively. It allows treatment regardless of skin type. Laser is mostly absorbed by melanin, especially in darker skin.
- Besides, resurfacing laser can be aggressive at the epidermal level. So, it is quite risky to treat with laser on the dark skin. But, RF is able to avoid targeting the melanin in the skin since it is no longer dependent on a light & laser energy to heat the skin. This is Fractional skin rejuvenation method for safe treatment.



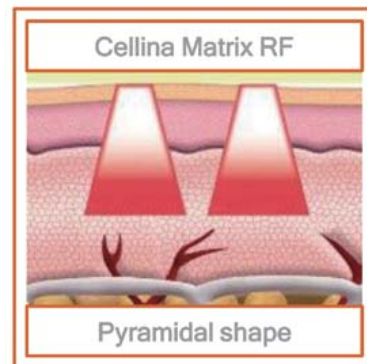
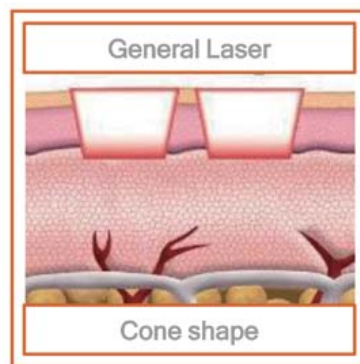
Fractional RF provides significant lifting effects with non-invasive way

PINXEL



Fractional RF

- Penetration of laser energy is getting weaker because of laser absorptions by water, hemoglobin, melanin..etc. However, RF energy penetrates into target area without those absorptions .
- Energy pores on surface of skin are closely connected with period of down time. Smaller pores shorter down time.



PINXEL

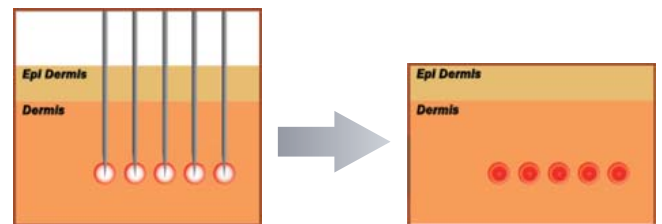
RF Needle Tip

- No burn and No risk of side effects .
- Better result by sufficient energy delivering .
- Easy to control penetration depth .
- Acne Scar, Large pore, Wrinkle, Skin tone, Skin Elasticity / Volume. .

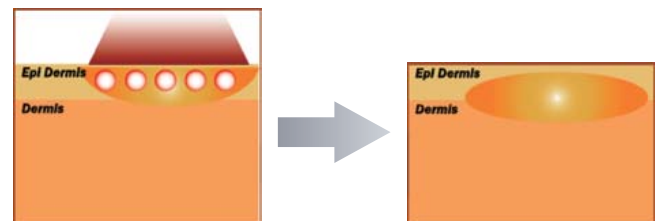
Fractional RF Tip

- Less pain, Less down time.
- No risk on sensitive skin.
- Immediate result and deep-heat-effect.
- Skin texture, Large pore, Fine Wrinkle, Lifting, Skin Tightening.

RF Needle Tip



Fractional RF Tip



Specification of Pinxel Tips

Micro Needle RF		Matrix RF	
Energy source	RF(Radio Frequency)	Laser Type	RF(Radio Frequency)
RF Output	Max. 50 W	RF Output	Max. 50 W
RF Electrode	Bipolar / Monopolar	RF Electrode	Bipolar
Spot size	12 x 12mm(25pin)	Spot size	12 x 12mm(64pin)
Repetition Rate	1.0, 2.0, 3.0sec. & manual		
Penetration depth	0.5 —3.0mm	Penetration depth	—
Duration Time (Emission)	0.1— 0.9sec	Duration Time (Emission)	0.1— 0.9sec

Thank

you

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Micro Needle Rf & Fractional Rf

