



EFFECTIVE

SMART

tixel<sup>®</sup>

ADVANCED TECHNOLOGY FOR  
FRACTIONAL SKIN  
REJUVENATION



# What Is Tixel® ?

- A novel non-ablative & ablative fractional skin rejuvenation system powered by Novoxel's patented titanium tip technology.
- Tixel treats delicate facial skin, including periorbital, eyelids, the neck and décolleté safely and quickly with low pain and 0-2 days downtime.
- Tixel employs direct heat and is radiation-free.



## MULTIPLE TREATMENTS

Skin rejuvenation, crow's feet, open pores, acne, stretch marks...



## STERILE TITANIUM TIP

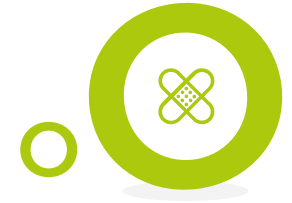
The Tip is biocompatible and sterile during treatment

## Our Benefits



## MULTIPLE AREAS

Face, neck, décolleté hands, arms & body



## LOW PAIN

Analgesic creams are not required



## SMALL & PORTABLE

Small, light, easy to carry



## RADIATION FREE

Tixel employs direct heat

Forehead  
"worry" lines

Glabellar  
"frown" lines

Eyelid lines

Acne scars

Lip lines

Creased chin

Crow's feet  
(Periorbital lines)

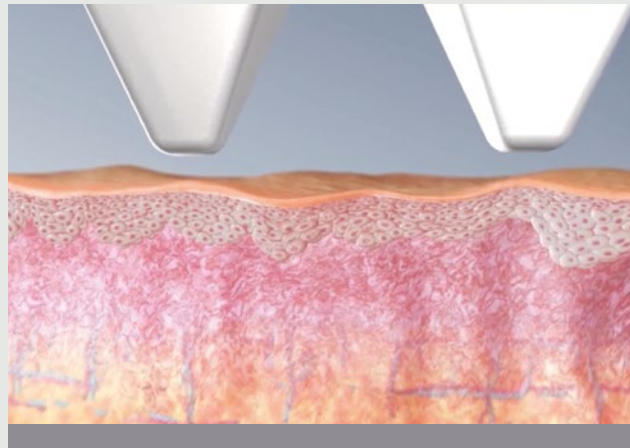
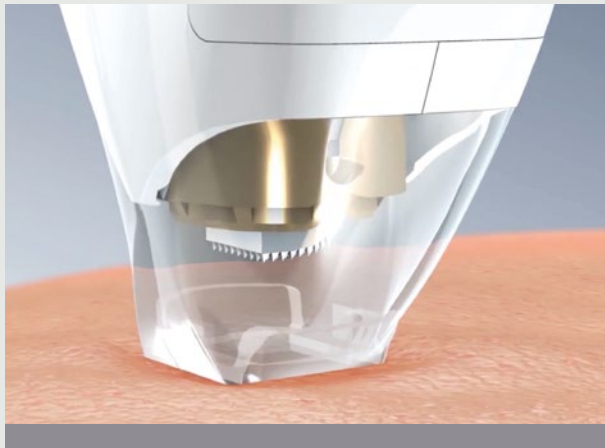
Bunny lines

Nasal labial folds  
(Smile lines)

Neck folds



# Patented - Scientifically Validated - Confirmed By Results



Thermal energy is transferred to the skin by a hot titanium Tip, which contacts the skin briefly. There is no bleeding.

The extent of energy transfer is determined by the Tip's exposure time with the skin.

Heat transfer is by contact.

The Tip does not perforate the tissue.

## Titanium Tip Properties

- Durable
- Sterile
- Clean
- Precise



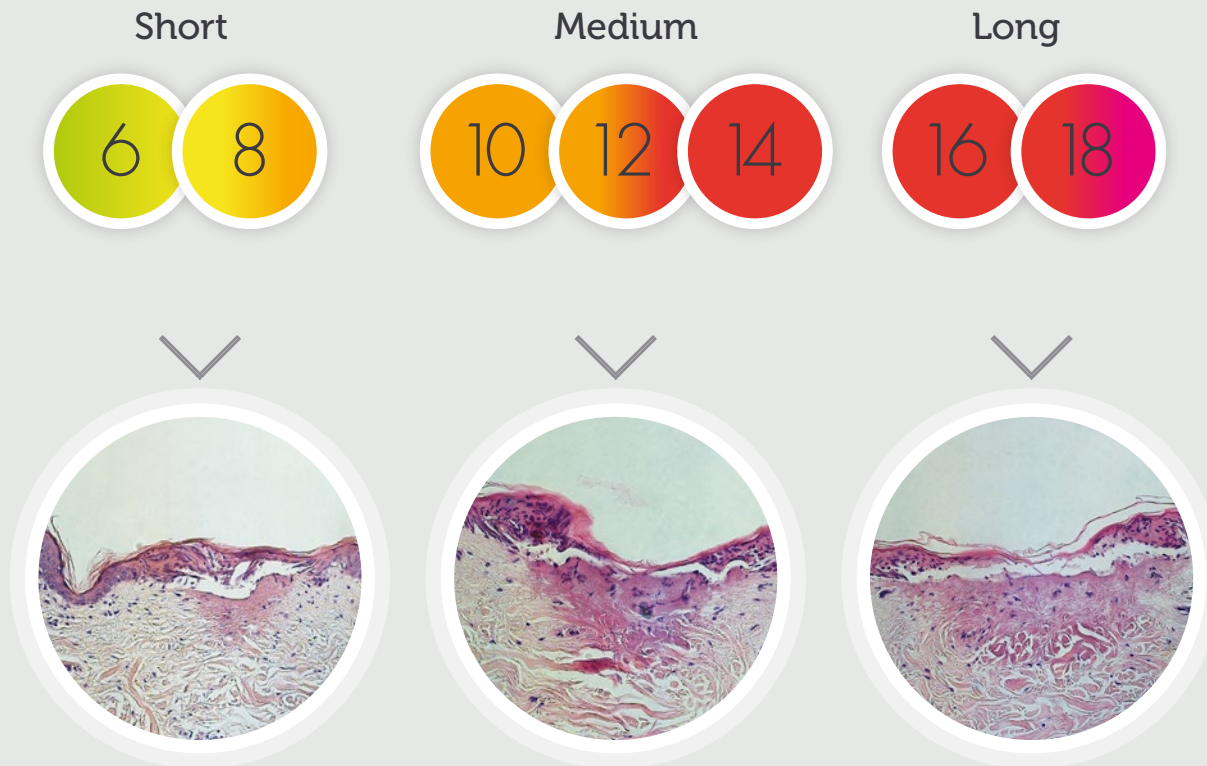
Periorbital Handpiece



Facial Handpiece

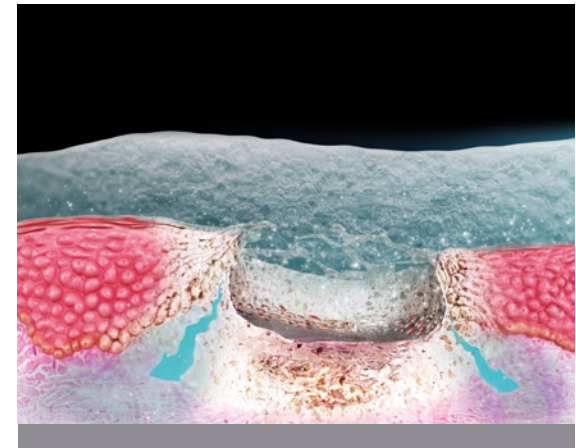
# Histopathology

## Pulse Duration in MS



Treatment intensity is precisely controlled by Tip-tissue contact time (or pulse duration). The longer the pulse duration, the greater the amount of energy transferred to the tissue.

## Open Channel



The Tip dehydrates and fractures the stratum corneum upon contact with minimal underlying coagulation.

The result is a long lasting open channel exhibiting enhanced absorption of topically applied aqueous solutions.

### References:

- Lasers in Surgery and Medicine (Oct 2018)  
Friedman et al: The Toxic Edge- A Novel Treatment for Refractory Erythema and Flushing of Rosacea
- International Journal of Pharmaceutics 511 (2016) 821-830 Sintov et al:  
A Novel Thermo-Mechanical System for Enhanced Transdermal Delivery of Hydrophilic Active Agents by Fractional Ablation

## Indications

- Wrinkles and fine lines
- Skin discoloration
- Sun damaged skin
- Skin tone and texture
- Tightening of the upper eyelids
- Age spots
- Stretch marks / Striae

## Treatments

- Spacing treatment sessions - 1 month apart
- Treatment program: 3 - 4 sessions
- After treatment skin is slightly swollen and red for 3 to 4 hours
- Patients experience mild erythema and heat sensation for 2 to 3 hours
- Downtime from 0 to 2 days depending on treatment intensity
- Micro crusting appears the next day, disappears after about 3 days
  - Improvement in skin texture, younger look, wrinkle reduction
  - Better definition of eyelids
  - High patient satisfaction, all skin types

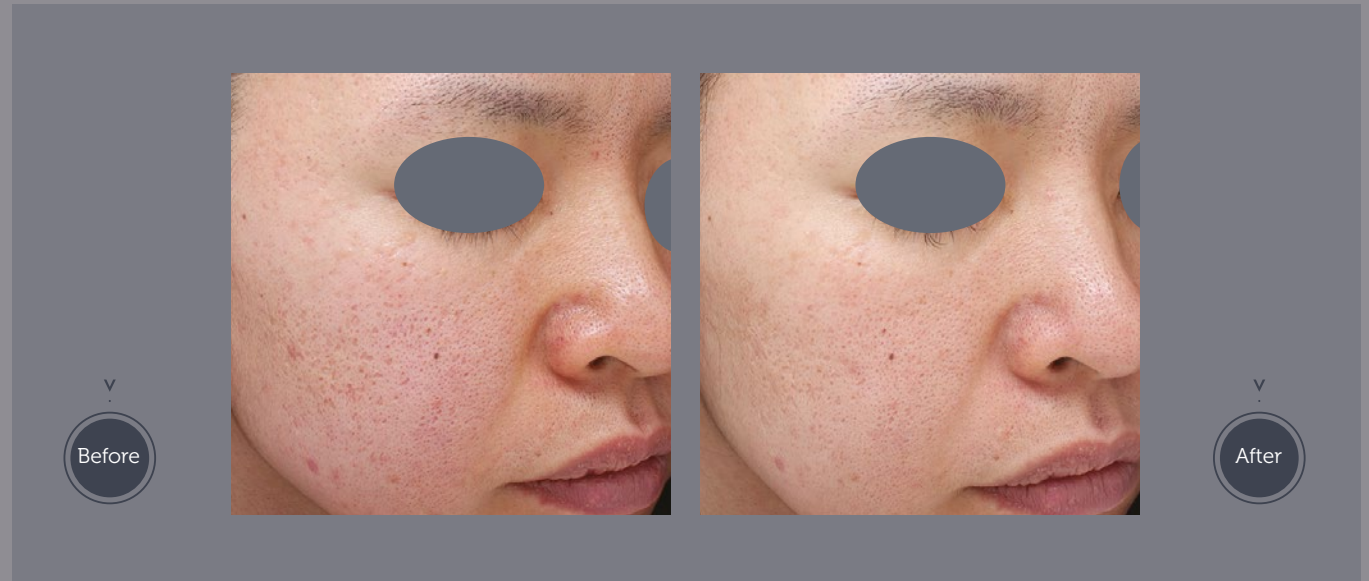


# 01

## Acne Scars

- Female, 22
- Follow-up 4 weeks after 3 Tixel Tx
- No downtime
- Without topical anesthesia

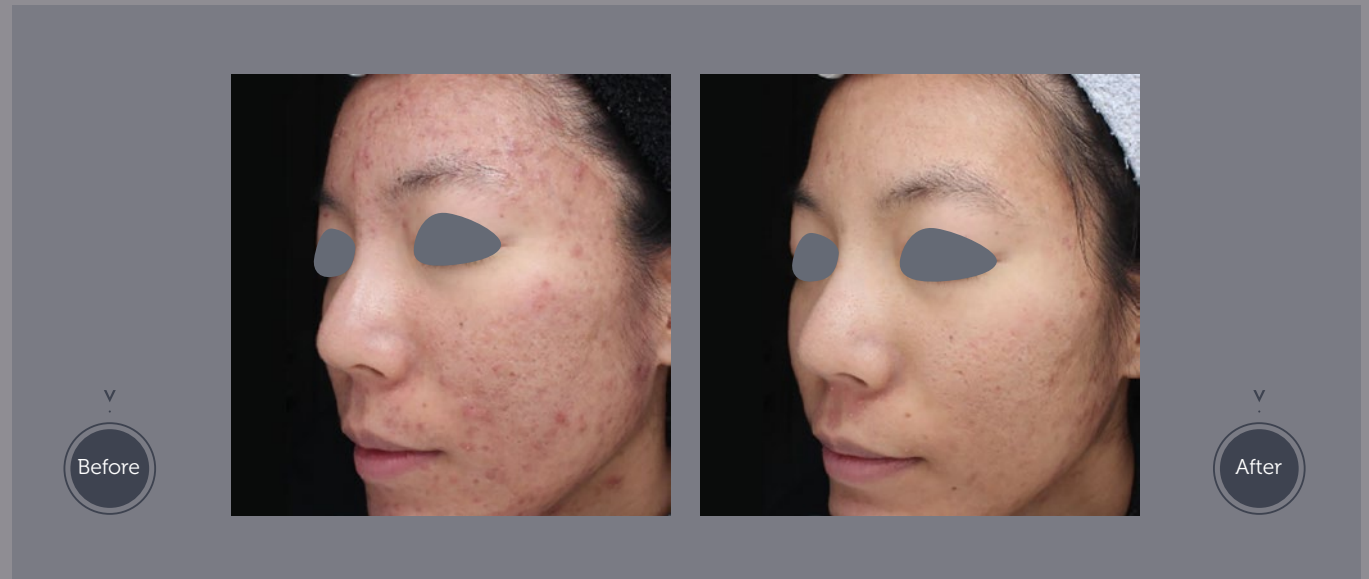
Images courtesy of Yuichi Sai, MD, Japan



# 02

## Acne

- Female, 22
- Follow-up 30 days after 4 Tixel Tx
- No downtime
- Without topical anesthesia



# 03

## Facial Treatment

- Female, 66
- Follow-up 7 months after 4 Tixel Tx
- 1 day downtime
- Without topical anesthesia



Images courtesy  
Xavier Martens, MD, Euroclinix  
Hasselt, Belgium

# 04

## Facial Treatment

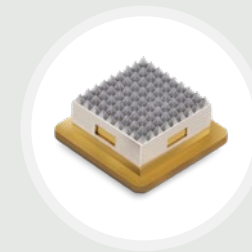
- Female, 57
- Follow-up 1 year after 4 Tixel TX
- 1 day downtime
- Without topical anesthesia



Images courtesy  
Xavier Martens, MD, Euroclinix  
Hasselt, Belgium

# Technical Specifications

		
Energy Type:	Direct heating	Direct heating
Titanium Tip:	Yes	Yes
Tip Coverage Area:	1 cm <sup>2</sup> (facial Tip), 0.3 cm <sup>2</sup> (periorbital Tip)	
System Weight (w/o HP):	6 kg	4.5 kg
Handpiece Weight:	330 grams	330 grams
Console Dimensions:	L 26 x W 44 x H 30 (cm)	L 26 x W 29 x H 24 (cm)
Handpieces:	2 parallel	1 at a time
Settings:	5 -18 ms, 100 - 1000 μm	5 - 16 ms, 200 - 800 μm



## Better For Clinic

- Excellent results
- Safe
- Simple and fast
- Small

## Better For Patient

- Low pain
- No charring
- Short downtime
- Treat all skin types







[www.masolutions.co.za](http://www.masolutions.co.za)

Email: [sales@masolutions.co.za](mailto:sales@masolutions.co.za)

Contact: +27 (0) 73 748 3660

+27 (0) 83 382 5150

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