

EFFECTIVE

SMART

tixel<sup>®</sup>

ADVANCED TECHNOLOGY FOR  
FRACTIONAL SKIN  
REJUVENATION




tixel<sup>2</sup>



tixel



# 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.

## Our Benefits



### MULTIPLE TREATMENTS

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



### MULTIPLE AREAS

Face, neck, décolleté hands, arms & body



### LOW PAIN

Analgesic creams may be used, typically not required



### STERILE TITANIUM TIP

The Tip is biocompatible and sterile during treatment



### SMALL & PORTABLE

Small, light, easy to carry



### RADIATION FREE

Tixel employs direct heat and does not emit radiation



Forehead  
"worry" lines

Glabellar  
"frown" lines

Eyelid lines

Acne scars

Lip lines

Creased chin

Crow's feet  
(Periorbital lines)

Bunny lines

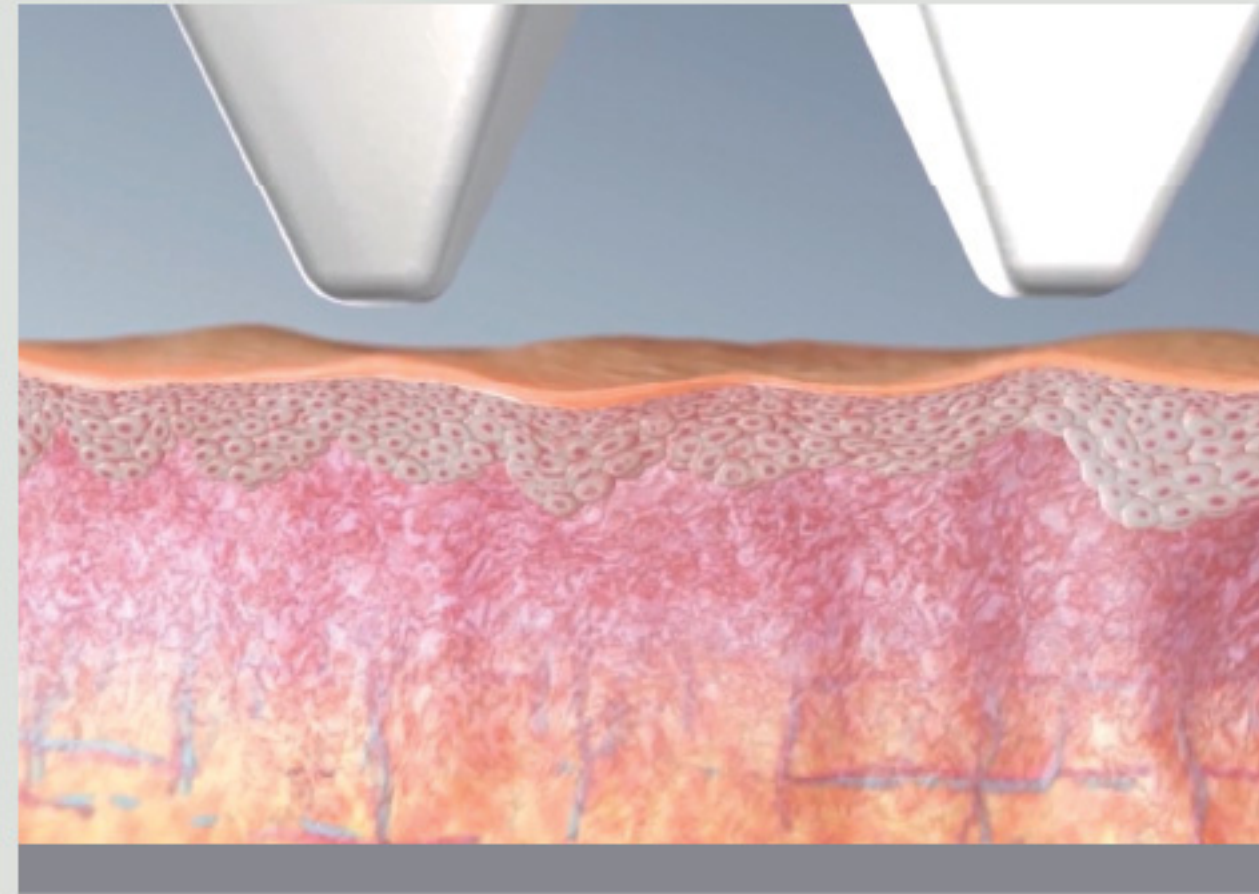
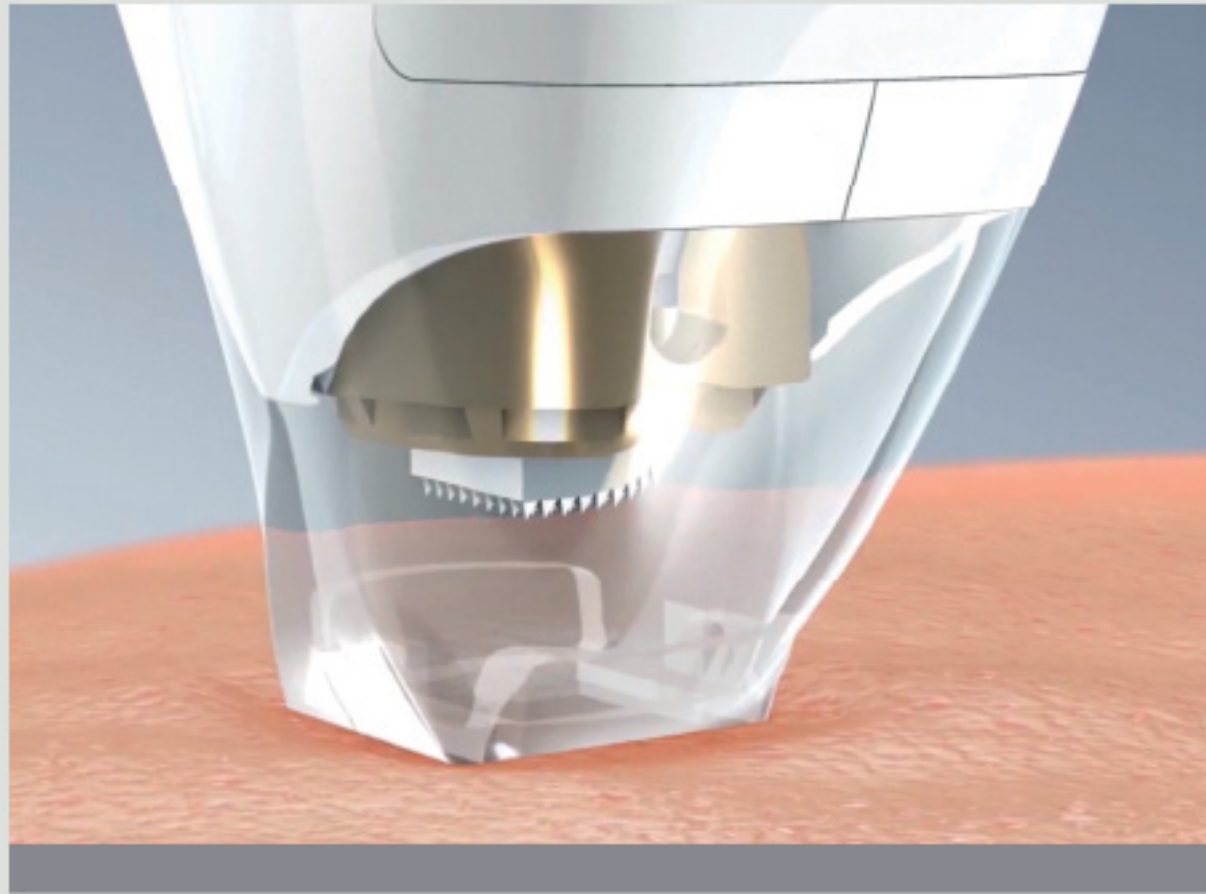
Nasal labial folds  
(Smile lines)

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.

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.

Good pain and recovery scores in clinical studies

## Titanium Tip Properties

- Biocompatible
- Durable
- Sterile
- Clean
- Precise
- Reusable



Periorbital Handpiece

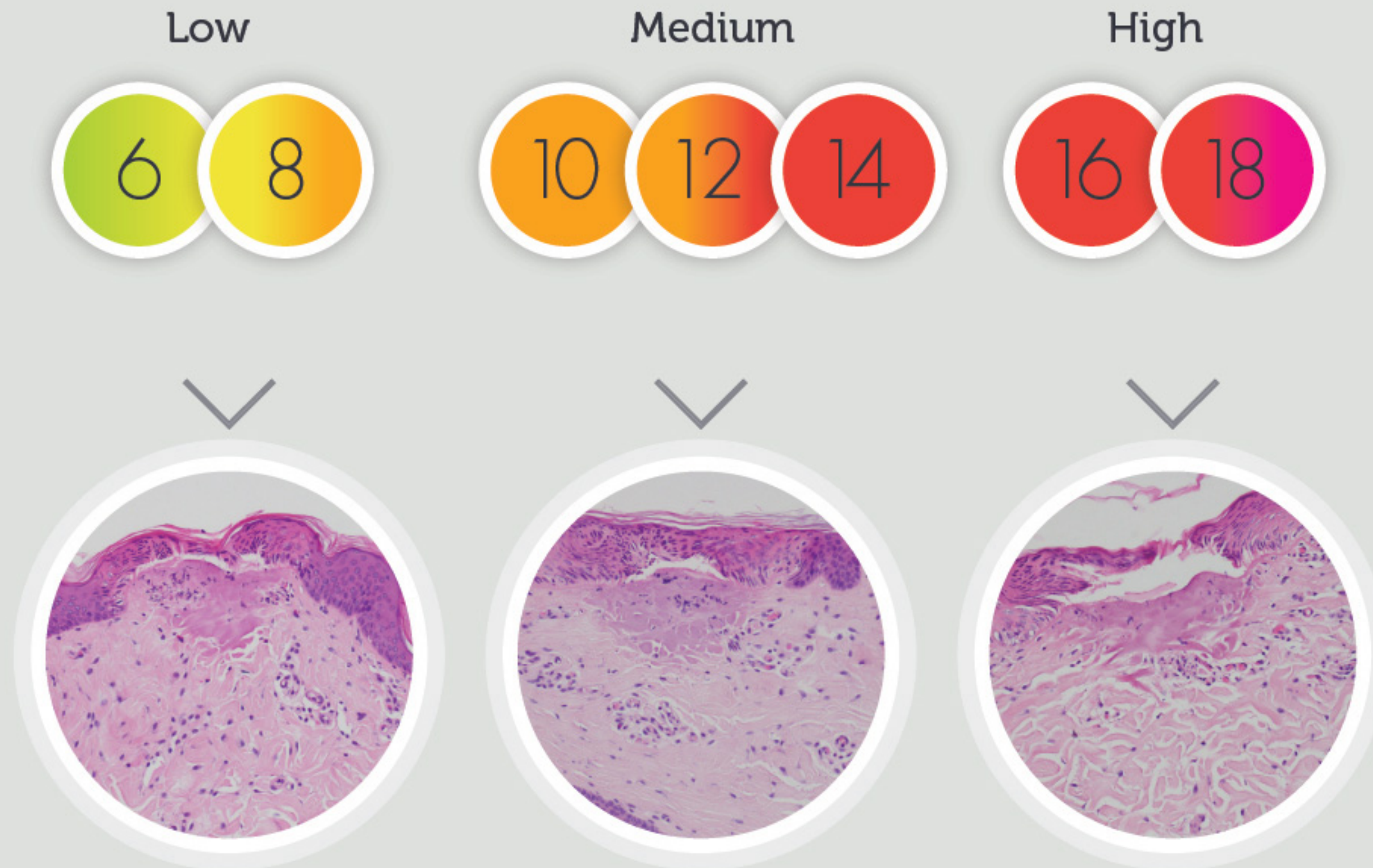


Facial Handpiece



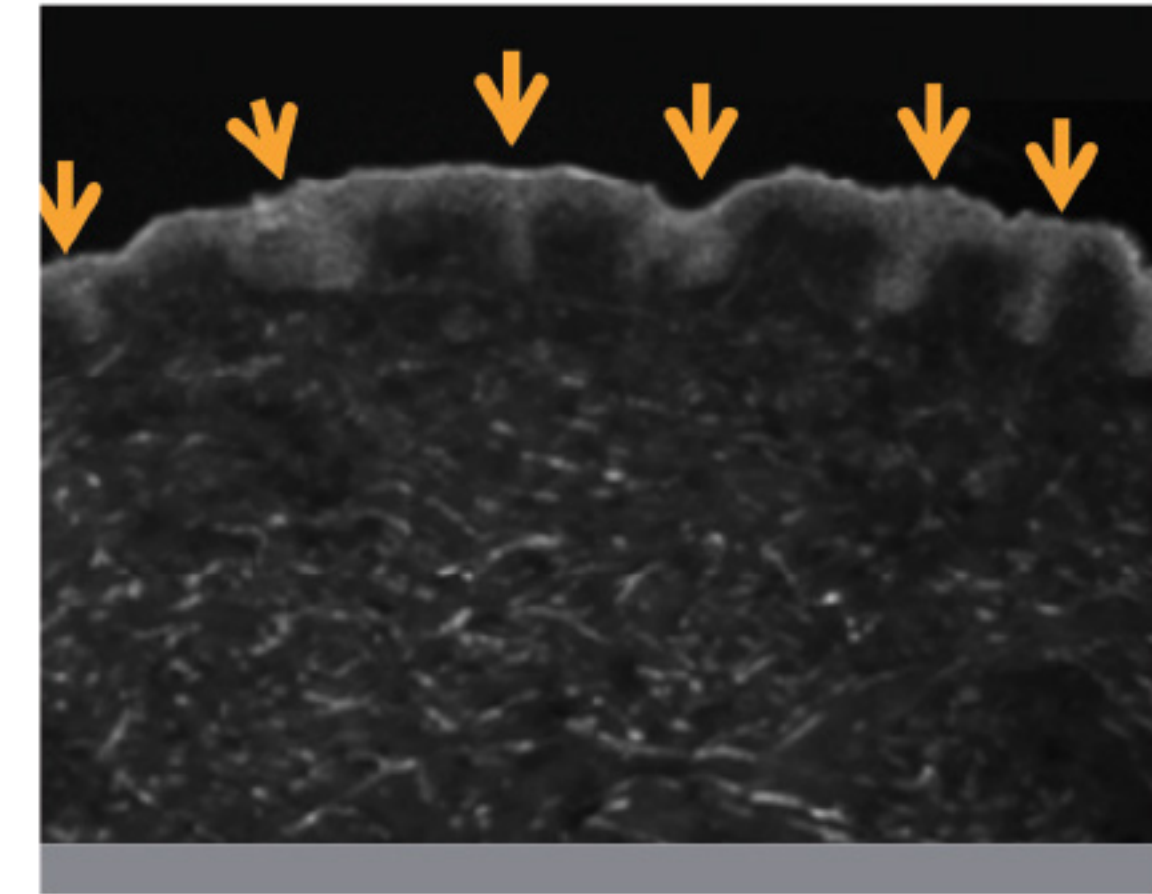
# Histopathology

## 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.

## Enhanced Epidermal Absorption



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

### References:

**Lasers in Surgery and Medicine** Sept 2020.  
**Thermo-mechanical fractional injury enhances skin surface- and epidermis- Protoporphyrin IX fluorescence: Comparison of 5-aminolevulinic acid in cream and gel vehicles.**

Camilla Foged; Merete Haedersdal; Liora Bik; Christine Dierickx; Peter Alshede Phillipsen; Katrine Togsverd-Bo



# Indications

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

\* certified medical indication

# 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



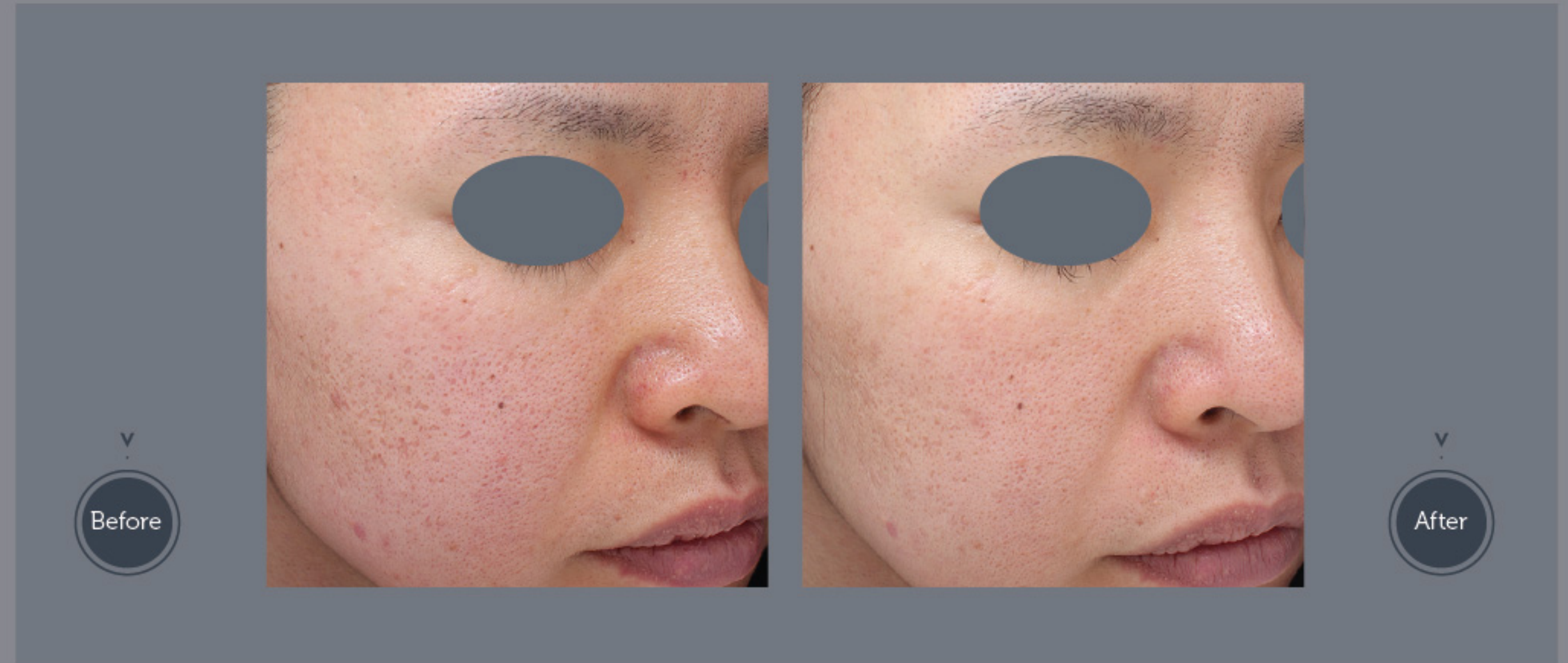


# 01

## Acne Scars

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

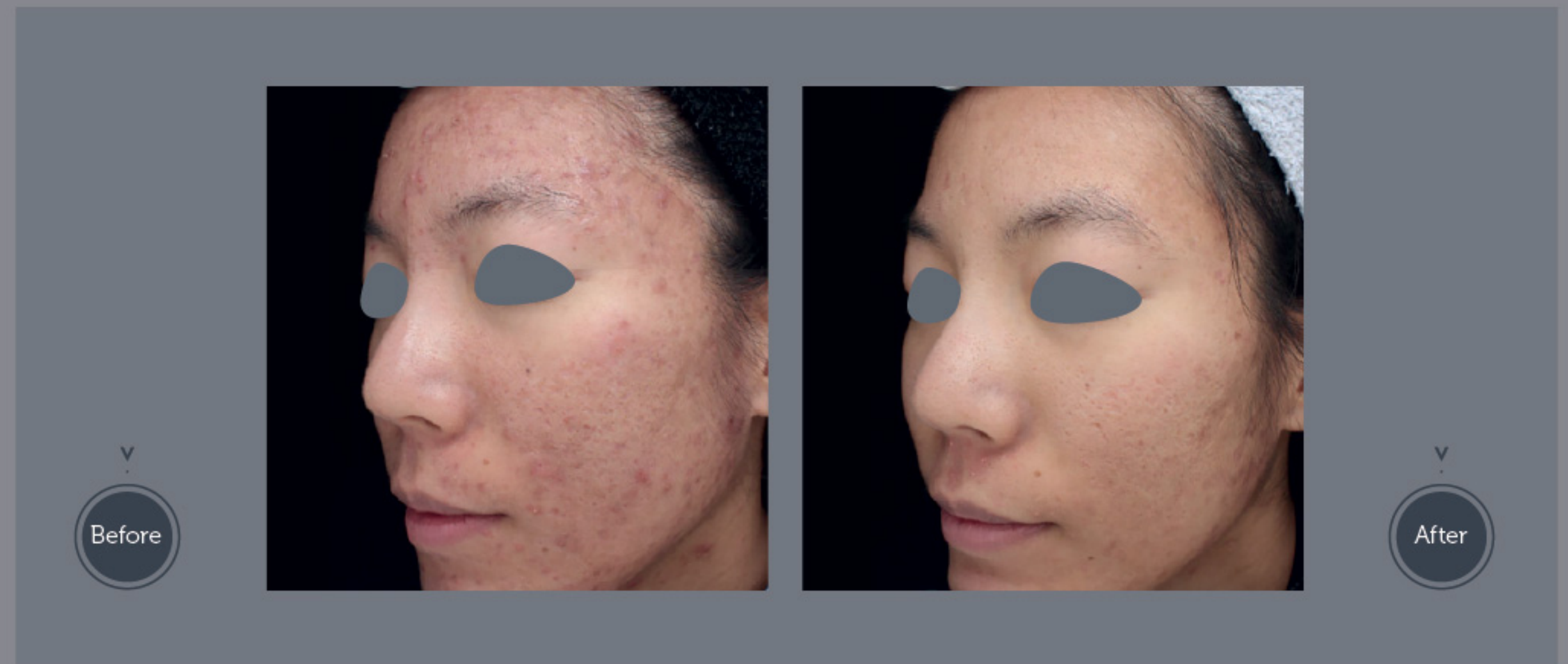
Images courtesy of Yuichi Sai, MD, Japan



# 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

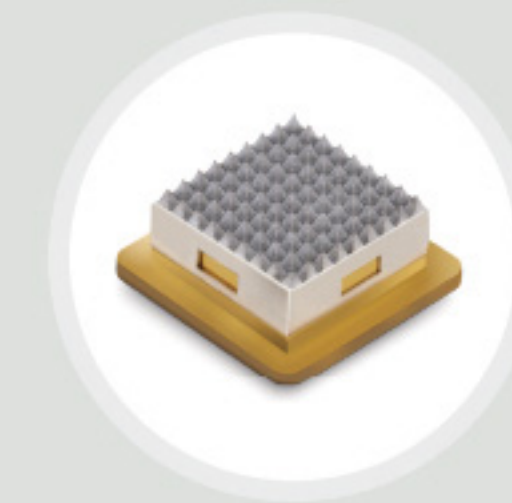


Images courtesy  
Xavier Martens, MD, Euroclinix  
Hasselt, Belgium



# Technical Specifications

	tixel <sup>2</sup>	tixel <sup>3</sup>
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

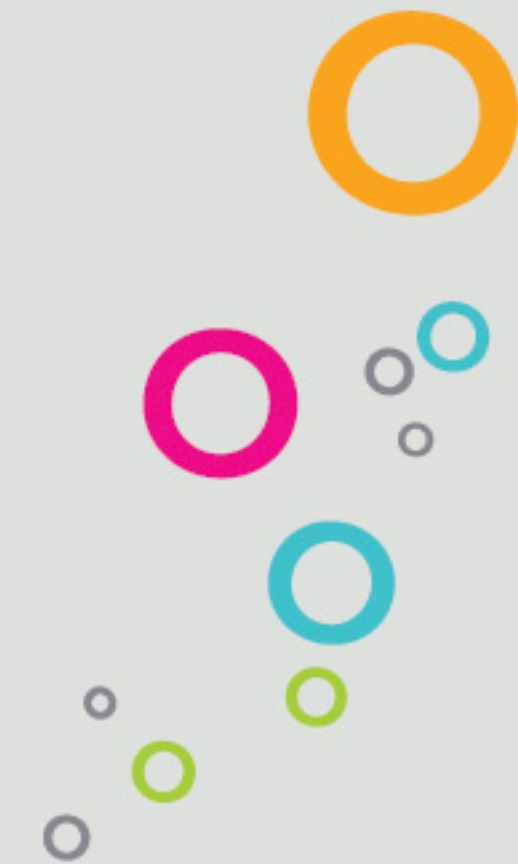


## Better For Clinic

- Excellent results
- Safe
- Simple and fast
- Small

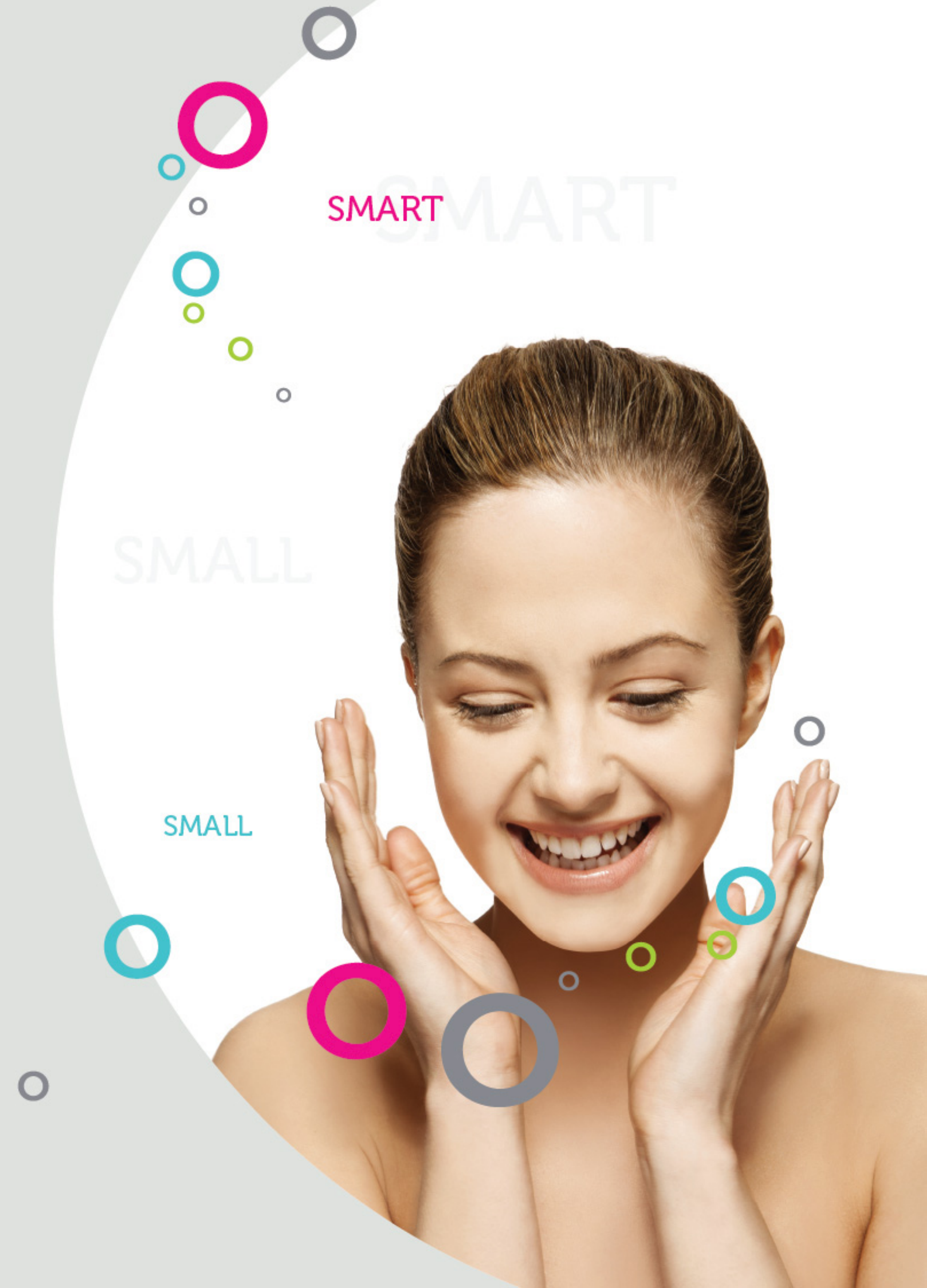
## Better For Patient

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





SMALL





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CE 2797  
P.N 1634 Rev. 003



# tixel<sup>2</sup> cart

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## How to install Tixel 2 on the cart

1

Remove the protective film from both tapes which are placed on the top of the tray, as shown in the picture beside.

2

Hold the Tixel 2 in the middle of the tray so that the device matches with the tray on all sides.

3

Now place the Tixel 2 on the tray with light pressure so that the device connects to the adhesive tapes.



1



2



3



### Advantages of Tixel 2 cart

- enhances mobility of your Tixel 2
- easy installation
- improved appearance of your device
- practical solution for users
- no improvisation of custom cart solutions