

# PICO<sup>+</sup>4™: A NEW PARADIGM IN PICOSECOND LASERS

**Lutronic explains why their new PICO<sup>+</sup>4 laser, with its range of wavelengths, higher fluences, and superior handpieces, surpasses all other picosecond and Q-switched nanosecond lasers available on the market**

**T**HERE IS NO DOUBT that picosecond lasers offer advantages in pigment and tattoo removal compared with traditional

Q-switched nanosecond lasers, and recent studies have suggested the following benefits:

- Results are better, and achieved faster (meaning fewer sessions are required)
  - The skin reaction is more forgiving, with less pain, scarring and patient downtime
  - Tattoos resistant to ns-technology have been found treatable with the ps-technology approach
- Lutronic's PICO<sup>+</sup>4 takes this recently developed ps-technology to a whole new level, for advanced control over almost any treatment situation.

## **Laser toning is good, but Pico Toning is more effective**

With the large 10mm spot size and low-fluence ps-technology, 1064nm Pico Toning with the PICO<sup>+</sup>4 takes clinically proven low fluence laser toning to a higher level. Safer and more effective athermal subcellular selective pigment destruction is obtained, with even less damage to the cells containing the target pigments. Better and more efficient pigment removal can be achieved

with less chance of unwanted side effects and virtually no downtime.

## **Pico is good, but Pico with higher fluence is better**

A Q-switched ns-laser was compared in pigment removal with a ps-laser over a range of fluences. At the lower fluences, the ps-laser produced superior results compared with the ns-laser, but the ns-laser at higher fluences produced better results than the ps-laser at lower fluences. To increase the efficacy of the ps-laser, higher fluences are therefore desirable. Lutronic's PICO<sup>+</sup>4 offers the highest fluences among current picosecond systems, easily, accurately and swiftly set by the unique jog wheel control on the intuitive touchscreen GUI.


## **Pico is good, but Pico with more wavelengths is better**

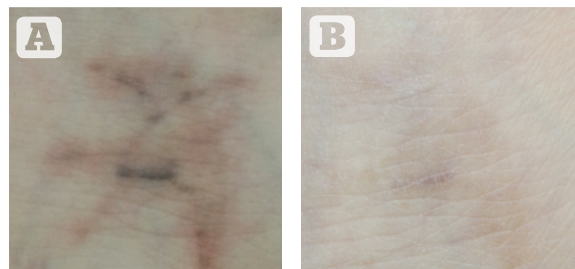
Lutronic's PICO<sup>+</sup>4 is the only ps-technology system to offer four wavelengths: the usual 1064nm and 532nm, plus 595nm yellow and 660nm red delivered via solid dye handpieces. The PICO<sup>+</sup>4's Gold Toning<sup>+</sup> 595nm wavelength is excellent for

dealing with post-acne redness, flushing, rosacea, post-laser inflammation and the vascular component of some types of melasma. The 660nm wavelength from the PICO<sup>+</sup>4's RuVY Touch<sup>+</sup> is the safest way to treat discrete pigmented lesions, such as freckles, with much less damage and downtime. Both handpieces offer a selection of spot sizes, further enhancing accuracy and efficacy.



## **Pico is good, but the Focused Dots™ handpiece offers superior skin rejuvenation**

The addition of the 1064nm Focused Dots handpiece to the PICO<sup>+</sup>4 brings powerful skin rejuvenation capabilities to the ps-laser beam. A matrix of precisely-focused microbeams delivered by this handpiece over a 74 x 74mm spot allows the clinician to achieve efficient 'cold' skin rejuvenation, wrinkle reduction, improvement of skin textural problems and mild scar revision. All of the above features are uniquely combined in Lutronic's PICO<sup>+</sup>4, taking the picosecond laser to a new dimension of flexibility, safety, and efficacy for the discerning dermatologist, backed by Lutronic's stellar reputation for system reliability. 



**Figure 1** 21 year-old female undergoing tattoo removal. (A) Before, and (B) after three PICO<sup>+</sup>4 treatments, 1064 nm



**Figure 2** Treatment for freckles. (A) Before, and (B) after one treatment with PICO<sup>+</sup>4, 532 nm