



# The Medical Power of Light

## FracTAT<sup>®</sup>

Fractional Q-switched Nd:YAG laser solution for effective pigment removal & improved skin texture

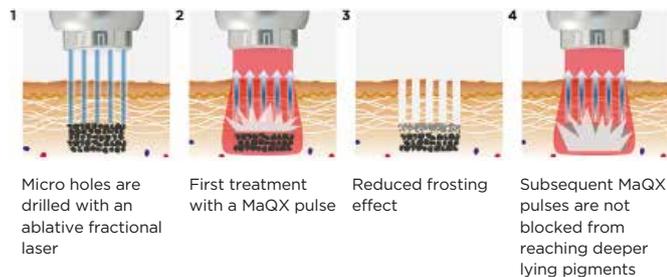
- Improves efficacy and safety of classical Q-switched tattoo removal
- Deep ablation for a strong skin remodeling response with minimum downtime
- Improved skin quality and texture
- Ablative and non-ablative treatments available for a variety of applications
- Suitable for all skin types

**Fotona**<sup>•</sup>  
choose perfection

## What is FracTAT®?

Fotona's innovative **FracTAT®** technology, based on high-energy pulses of fractional Q-switched Nd:YAG laser, enables extremely high peak powers to be concentrated in a matrix of tiny spots, inducing fractional photoacoustic shockwaves below the tissue surface (non-ablative mode) or even micro-puncturing the tissue surface (ablative mode) when higher energies are used.

## FracTAT® Treatment for Tattoo Removal



In the patented FracTAT® tattoo removal treatment, micro-holes are drilled into the skin using a high energy **fractional ablative laser**. This is followed by Q-switched tattoo removal. The micro-holes act as relief ducts that enable gasses formed in the **tattoo removal** step to escape and enable more efficient pigment destruction and tattoo clearance.\*



FracTAT® Tattoo Removal

The ablative FracTAT® procedure is also very efficient in the treatment of **scars**, enabling deep resurfacing with minimum downtime.\*\*

## FracTAT® for Rejuvenation and More

When the FracTAT® procedure is performed in **non-ablative mode**, fractional microscopic lesions are formed in the epidermis and dermis due to plasma micro-explosions, leading to cavitation, while the tissue

surface remains intact. This makes the non-ablative mode ideal for applications such as **rejuvenation**, **texture improvement** and **acne scar revision**, particularly in darker skin types for which other ablative procedures are often avoided.

FracTAT® is available on Fotona's StarWalker® platforms.



FracTAT® Acne Scars Treatment



FracTAT® Skin Rejuvenation

For further insights into the clinical use of Fotona's FracTAT® procedure, we recommend the following open-access papers published in peer-reviewed scientific journals:



\* *Lasers in Medical Science: Q-S laser micro-drilling and multipass full-beam Q-S laser for tattoo removal — a case series* (Dr. Leonardo Marini, Trieste, Italy). Results: FracTAT® assisted tattoo removal quickly, safely and effectively removes tattoo pigments.



\*\* *Journal of Cosmetic Dermatology: Acne scar treatment using high-energy fractional nanosecond Q-switched 1064 nm laser* (Dr. Nasrin Mani from La Jolla, CA, USA). Results: excellent clinical outcomes were achieved in facial acne scar management with a high patient satisfaction rate and no observed side effects.

To learn more about **FracTAT®** and what the Fotona laser systems can do for your practice, contact **Fotona** at [info@fotona.com](mailto:info@fotona.com) today.