



# The Medical Power of Light

## Laser Tattoo Removal

Effective and safe solution for multi-colored tattoos

- Minimally invasive treatment
- Precise and gentle
- Removes all common tattoo colors
- For amateur and professional tattoos
- No anesthesia required

**Fotona**  
choose perfection

before



Courtesy of dr. Ahçan

after

before



Courtesy of Fotona

after

before



Courtesy of Fotona

after

## What is Laser Tattoo Removal?

Laser tattoo removal has become the standard treatment for tattoo removal because it offers an effective, safe and fast solution for removing unwanted tattoos. With the right laser, all common tattoo colors can be removed; black and dark tones, blues and sky blues, reds and tans, and greens.

## How does it work?

The laser affects the tattoo with very short and strong laser pulses that penetrate deep into the skin, without injuring the top layers. These pulses are then absorbed by the pigments in the ink and as the laser light is transformed into photoacoustic waves, it mechanically breaks up the ink into smaller particles. These are then naturally absorbed by the body's own immune system.

The number of treatments depends on the size of the tattoo as well as its location, depth and color. Amateur tattoos are the easiest to remove whereas professional ones may require more treatment sessions. The tattoo will fade slowly between treatments as the body removes the remainders of the tattoo pigment.

## Why is wavelength important?

Fotona's precisely controlled Nd:YAG laser 1064 nm wavelength is the ideal tool tattoos removal. The Nd:YAG is the optimal modality for conversion into 532 nm, 585 nm and 650 nm wavelengths, allowing effective removal of all types of multi-colored and complex tattoos. Also, because of its selective nature, the Nd:YAG is hardly absorbed in melanin. Therefore, this wavelength can be safely used on all skin types.

## Why is the QX MAX perfect for Laser Tattoo Removal?

Fotona's Q-switched Nd:YAG laser, the QX MAX, combines 4 wavelengths in an advanced, high-powered solution:

- 1064 nm Nd:YAG for dark pigments,
- 532 nm KTP for red, tan, purple and orange inks,
- 650 nm for green inks,
- 585 nm for sky blue inks.

It thus provides the ideal combination for treating color tattoos.



The system's OPTOflex articulated arm increases precision and safety. OPTOflex generates absolute uniform beam profiles. Its ergonomic design allows easy and natural hand movement during procedures.

## Advantages for You and Your patients

Laser tattoo removal is easy to perform and has an unsurpassed treatment success rate compared to alternative methods. With easy-to-follow protocols and at-the-touch-of-a-button treatment settings, practitioners are able to treat patients with confidence and high success rates.

Removing tattoos with the laser is the least-invasive and most patient friendly

method possible. No anesthesia is required.



## Getting started with Laser Tattoo Removal

Laser tattoo removal can be preformed with Fotona's QX MAX laser system. Fotona additionally offers a Multi-colored Tattoo Removal Upgrade Kit, giving practitioners the necessary knowledge, accessories and tools to confidently and skillfully remove tattoos on their patients. Training in Laser Tattoo Removal is provided through Fotona's partnership with the Laser and Health Academy, where participants cover basic laser physics and gain an in-depth understanding of laser-tissue interaction. Live demonstrations give participants an insight in Laser Tattoo Removal and other aesthetic procedures that can be performed with the QX MAX laser.



To learn more about **Laser Tattoo Removal** and what the QX MAX laser system can do for your practice contact **Fotona** at [info@fotona.com](mailto:info@fotona.com) today.