

**Fotona**  
choose perfection



Since 1964

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From the makers of the award-winning LightWalker system:



### Global Leader for 50 Years

Since 1964 Fotona has set industry standards of excellence in producing high-tech laser systems for medicine, communications, industry, and defense. Consequently Fotona is a globally recognized leader and pioneer in the innovation, development and manufacture of laser systems.

### High Technology - Made in Europe

As one of the top manufacturers of medical laser systems, our commitment to state-of-the-art, in-house production sets us apart from the competition. Fotona's in-house manufacturing and stringent testing of all components, in compliance with applicable international standards, ensures that our systems are of the highest quality, reliability and durability.

### Fotona and Laser & Health Academy

Fotona has partnered with the Laser & Health Academy (LA&HA) to help support the professional growth of medical practitioners. To get the most out of your Fotona laser system, our practitioner workshops, co-organized with LA&HA (www.laserandhealth.com), provide hands-on demonstrations of our lasers from international clinical experts. Fotona also works closely with other leading educational authorities in the field of laser medicine to offer additional high level training opportunities to help you on your path to becoming a top laser specialist.

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Be an artist of the new era.

## QX MAX Superior Characteristics

Wavelength	Nd:YAG 1064 nm	KTP 532 nm	Yellow 585 nm	Red 650 nm	Accelera Nd:YAG 1064 nm
Modalities	Single pulse Q-Switched mode	Single pulse Q-Switched mode	Single pulse Q-Switched mode	Single pulse Q-Switched mode	Free-running mode
Max. Energy	1600 mJ	600 mJ	300 mJ	220 mJ	5000 mJ
Max. Usable Fluence	12.7 J/cm <sup>2</sup> (4 mm spot)	6.5 J/cm <sup>2</sup> (3 mm spot)	9.5 J/cm <sup>2</sup> (2 mm spot)	6.5 J/cm <sup>2</sup> (2 mm spot)	160 J/cm <sup>2</sup> (2 mm spot)
Pulse Length	5 - 20 n sec	5 - 20 n sec	5 - 20 n sec	5 - 20 n sec	250 μ sec
Max. Frequency	10 Hz	10 Hz	2 Hz	2 Hz	2.2 Hz
Spot Size	2 - 8 mm	2 - 8 mm	2, 3, 4 mm	2, 3, 4 mm	2 - 8 mm
Special Features	<b>Energy Feedback Control</b> - provides automatic self-calibration of each laser pulse <b>Vacuum Cell Technology</b> - a patent-pending solution for generating ideal beam profiles <b>FRAC3® mode</b> - for unique, 3D non-ablative fractional treatments with Accelera pulses <b>OPTOflex® Arm</b> - an exclusive, patent-pending solution for beam delivery and handling <b>Wireless Footswitch</b> - for greater comfort and freedom of movement				

## QX MAX

- Treats All Pigmented Lesions and Tattoo Colors
- Five Laser Sources in One System
- High Single-Pulse Energy for Large Spotsizes Treatments
- Uniform Beam Profile with Patented OPTOflex® Vacuum Cell Technology
- Longer System Lifetime - Virtually 100% Flashlamp Pulse Utilization



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Committed to designing, manufacturing and delivering:

The Highest Performance, Best Made Laser Systems in the World

CE  
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Fotona is certified to: ISO 9001:2008, EN ISO 13485:2003, MDD 93/42/EEC, ANNEX II.3, ISO 13485:2003 (CMDAS). GMP according to FDA regulations



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# QX MAX - A Full Range of Aesthetic and Dermatological Procedures

## Key Procedures

- Tattoo removal
- Pigmented lesion removal

## Additional Procedures

- Skin rejuvenation
- Vascular lesion removal
- Hair removal
- Acne treatment

## Q-Switched Technology with 4 Different Wavelengths

High-energy, single-pulse Q-switched technology produces a powerful yet safe photomechanical effect to effectively remove pigments.

- 1064 nm Nd:YAG for removal of **DARK PIGMENTS**
- 532 nm KTP: for lighter pigments, vascular lesions and **RED, TAN, PURPLE** and **ORANGE** tattoo inks
- 585 nm dye for **SKY BLUE** tattoo inks
- 650 nm dye for **GREEN** tattoo inks

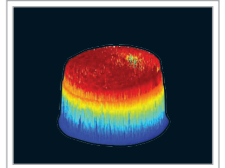
## Accelera Technology

In addition to Q-switched treatments, the QX MAX's Accelera technology also offers sub-millisecond Nd:YAG laser pulses for safe and effective, non-ablative use in popular photothermal aesthetic treatments.

# QX MAX - Unique Technical Solutions for Optimal Efficiency

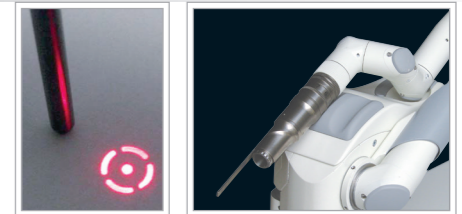
## High Single-Pulse Energy with Super Flat Beam Profile

The QX MAX is one of the highest single-pulse-energy generating Q-switched lasers on the market, with peak power over 320 Megawatts. Groundbreaking solutions such as Fotona's patented OPTOflex® and Vacuum Cell Technologies produce a homogeneous, perfectly shaped beam profile that ensures safe treatments.



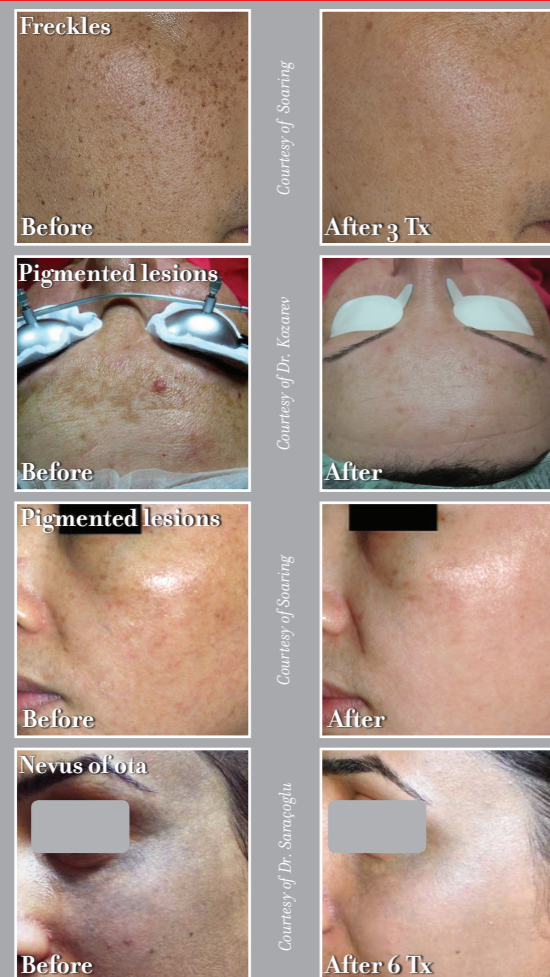
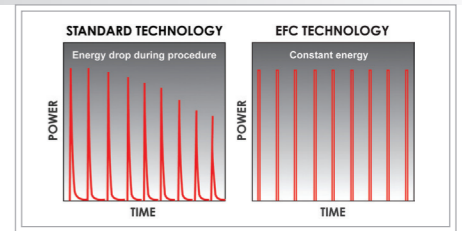
## OPTOflex® Technology

A state-of-the-art, patented OPTOflex® arm is specifically designed to efficiently transmit high-power laser beams. The shape and magnitude of the aiming beam enhances visibility, allowing for easier, faster treatments and greater precision. An ergonomic, lightweight design allows the handpiece to naturally follow hand movements during procedures.



## Energy Feedback Control

EFC (Energy Feedback Control) is a continuous, self-calibrating, double-channel safety system that actively monitors each individual pulse's energy level. This ensures that the output energy is exactly matched to the practitioner's chosen parameters throughout the duration of each treatment session.



## Full Range of Skin Procedures



# Interchangeable Full-beam and Fractional Handpieces

## FracTat technology

### FS handpieces:

- Fractional Q-s Applications:
  - Pigmentations
  - Non-ablative skin remodelling



### R28

- For 1064 Nd:YAG and 532 KTP
- Variable spot sizes from 2 to 8 mm



### R-HX

- For 1064 Nd:YAG
- Super-flat beam profile
- Hexagonal shape for ideal surface coverage without overlapping



### R585 yellow and R650 red

- For effective removal of additional colours: green (R650) and sky blue (R585)

