

# StarWalker® PQX

The Ultra Performance Pico Laser System

Discover Ultimate  
Pico Power



New Revolutionary  
Adaptive Structured Pulse  
Technology

Fotona<sup>®</sup>  
choose perfection



Tired of freckles?

# StarWalker® PQX

Third-generation ASP-powered technology for ultra performance:

- Highest pico power & energy
- Shortest pico pulse width
- Wide range of laser wavelengths
- Exceptional spot size capabilities
- Largest fluence spectrum for flat-top handpieces
- Patented FracTAT® treatments for scars, pigments and rejuvenation
- Smallest footprint
- No consumables

**Highest** power  
**Shortest** pico pulse  
**Highest** energy



reddot design award





# StarWalker<sup>®</sup> PQX

## Key Features:

- Enhanced safety with automatic handpiece and spot-size detection
- User-friendly application wizards for recommended parameters
- Integrated treatment history and patient database
- Patented light-weight OPTOflex<sup>®</sup> arm
- Color-coded, medical-grade titanium handpieces



## StarWalker<sup>®</sup> PQX specifications

Wavelength*	1064 nm; 532 nm
Max. Energy	800 mJ
Min. Pulse duration	300 psec
Max. Peak Power	2.7 GW
Pulse repetition frequency	0.5 to 10 Hz

\* Additional Wavelengths: 585 nm, 650 nm, 785 nm

StarWalker **POX**

**ASP**  
POWERED

New Revolutionary  
**Adaptive Structured Pulse**  
Technology

Fotona

Next  
generation  
**Pico**  
technology

Fotona  
choose perfection.

Duo High

1064  
W

PICO  
W

DuoH  
W

6.8

J/cm<sup>2</sup>  
**6.0**

21.6

Hz

**5.0**

0

10

mm  
**3.0**

0

3

# StarWalker® PQX Indications

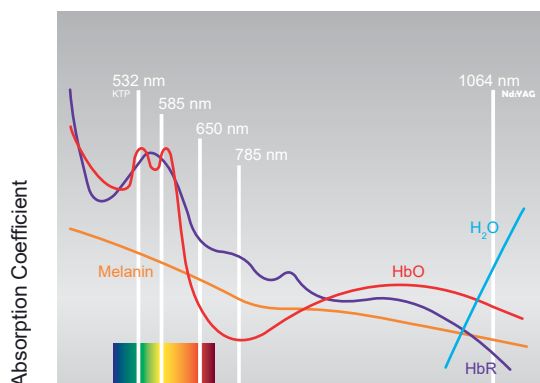
- Pigmentation disorders
- Rejuvenation
- Toning
- Scars
- Black and colored tattoos



Pico pulses instantly shatter the targeted pigments, enabling their natural elimination by the body.

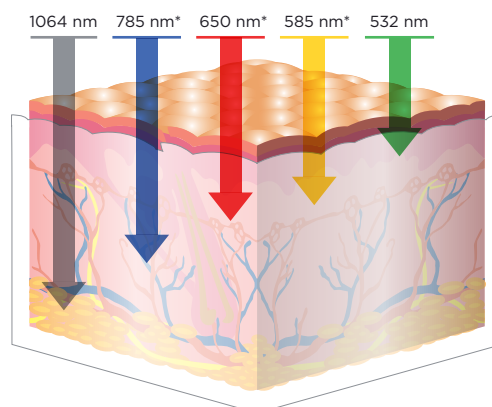
## Five Laser Wavelengths

StarWalker® PQX delivers five laser wavelengths to cover the complete absorption spectrum of melanin, oxyhemoglobin and water.



Wavelength

StarWalker's wavelengths are located at appropriate skin absorption peaks and minimums.



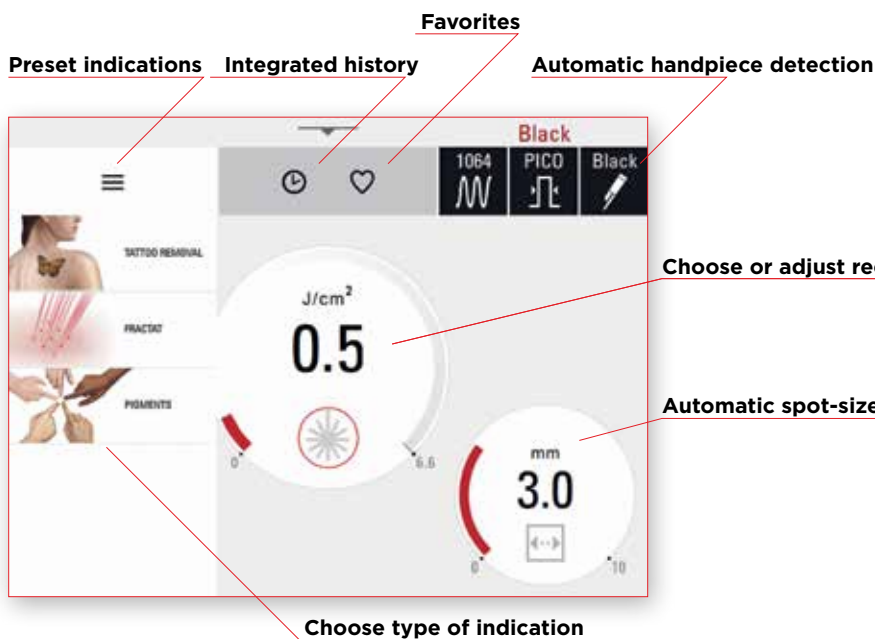
\* Additional Wavelengths: 585 nm, 650 nm, 785 nm

Five wavelengths to treat structures at different skin depths.

# Advanced Technology Made Simple

- Advanced and intuitive user interface
- User-friendly application wizard with preset treatment parameters
- Integrated history of past treatments
- Integrated patient database
- Suitable for first time users and advanced practitioners

Easy-to-use  
and  
intuitive  
user interface



**Integrated treatment history**

11:49 : pm, 29 Jan, 2020									
today 11:42:59	1064	PICO	Black	0.8 J/cm <sup>2</sup>	1.5 Hz	3.0 mm	>	3 pls	
John									
today 11:44:05	1064	PICO	BFB	0.9 mJ/px	1.5 Hz	9x9 px/mm	>	4 pls	
Janice									
today 11:45:56	1064	PICO	Black	2.2 J/cm <sup>2</sup>	2.0 Hz	3.0 mm	>	9 pls	
Sarah									
today 11:47:36	1064	PICO	Black	1.4 J/cm <sup>2</sup>	1.0 Hz	4.0 mm	>	10 pls	
today 11:48:18	1064	PICO	Black	0.7 J/cm <sup>2</sup>	1.5 Hz	8.0 mm	>	15 pls	
Michael									
today 11:49:26	1064	PICO	BFB	1.5 mJ/px	1.0 Hz	9x9 px/mm	>	10 pls	

**Integrated patient database**

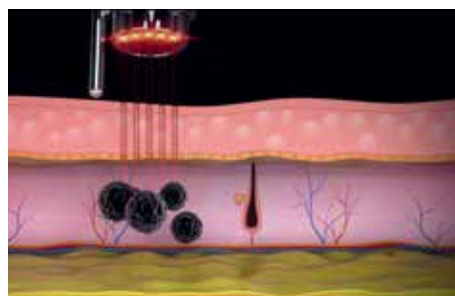
# FracTAT<sup>®</sup>

## Patented ablative fractional treatments

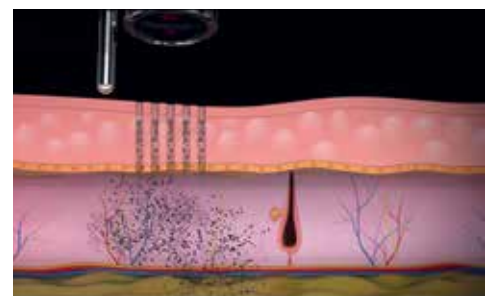


- Fewer treatments needed
- Shorter treatment time
- Quicker healing

- Enhanced generation of photoacoustic shockwaves
- Reduced frosting and pressure on surrounding tissue
- Direct pigment removal via ablation
- Better and quicker healing of fractionated skin

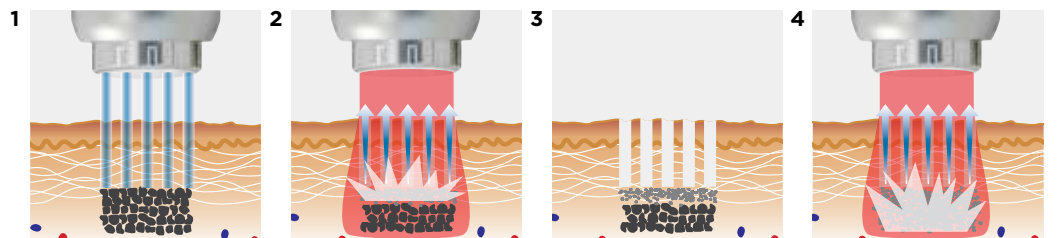


Treatment with a FracTAT<sup>®</sup> PQX pulse



Removal of a pigment via ablation

### FracTAT<sup>®</sup> treatment



1 Micro holes are drilled with an ablative fractional laser

2 First treatment with a PQX pulse

3 Reduced frosting effect

4 Subsequent PQX pulses are not blocked from reaching deeper lying pigments

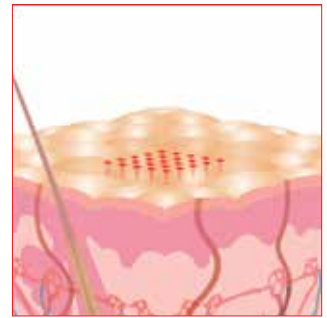
**Enhanced**  
generation of  
photoacoustic  
shockwaves

When the patented Fotona FracTAT<sup>®</sup> procedure is performed, micro holes are first drilled into the skin using a fractional ablative laser handpiece. The fractional micro holes act as pressure relief ducts through which gasses can escape without building up excessive pressure.



## Non-ablative and ablative fractional treatments for:

- Rejuvenation
  - Scars
  - Pigments
  - Tattoos
- Fractional microscopic lesions are formed within tissues as a result of micro cavitations and plasma formation.
  - Micro wounds are rapidly healed by the intact surrounding tissue, leaving the skin refreshed, more elastic and with fewer visible wrinkles and scars.



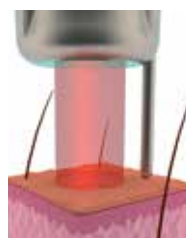
# Excellence in Your Hands

All the applications you need,  
with a complete line of advanced,  
easy-to-use handpieces

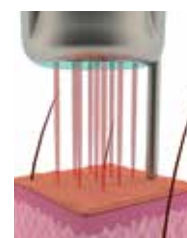
Full-beam  
and fractional  
medical-grade  
**Titanium**  
handpieces

handpiece	wavelength	spotsize	spot shape
Black & Green	Nd:YAG, KTP	3x3 to 10x10 mm	square
DuoDot & DuoHigh	Nd:YAG, KTP	1 - 3 mm	circle
Black F9	Nd:YAG	9x9 mm	fractional, 81 pixels
Black F5	Nd:YAG	5x5 mm	fractional, 25 pixels
Green F5	KTP	5x5 mm	fractional, 25 pixels

## Full-beam and fractional handpieces



Full-beam



Fractional beam

StarWalker's full-beam and fractional handpiece technology enables physicians to provide advanced solutions for a broad range of treatments. Fractional handpieces harness a powerful photomechanical effect into tightly focused arrays with high concentrations of energy, while the surrounding tissue remains unaffected by the laser light.



## WORLD CLASS TRAINING



- Led by leading international laser experts
- Live demos and hands-on
- Explore all areas of medical lasers
- Great experience-sharing opportunity

To get the most out of your StarWalker® PQX system, our practitioner workshops, coorganized with the Laser and Health Academy, provide hands-on demonstrations of our lasers from international clinical experts. Fotona also works closely with other leading educational authorities in the field of medical lasers to offer additional high-level training opportunities to help you on your path to becoming a top laser specialist.



[www.laserandhealth.com](http://www.laserandhealth.com)

### THE LASER AND HEALTH ACADEMY

The Laser and Health Academy (LA&HA®) is a not-for-profit organization dedicated to the promotion of research, education and publishing in the field of laser medicine.

**RESEARCH:** LA&HA® collaborates with industry, medical professionals and universities on projects aimed at the development and improvement of laser applications.

### EDUCATION: LA&HA

serves as a platform for continuous education, with a focus on practical instruction and the demonstration of laser techniques and procedures, delivered through a variety of workshops and seminars by experienced lecturers.

[www.laserandhealth.com/en/journal/](http://www.laserandhealth.com/en/journal/)

Committed to Engineering  
The Highest Performance, Best Made Laser Systems in the World

since 1964

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Founded in 1964, only four years after the invention of the very first laser, Fotona is one of the most experienced developers of high-technology laser systems. Fotona today is a world-leading medical laser company recognized for its innovative, award-winning laser systems for applications in aesthetics & dermatology, dentistry, surgery and gynecology. Based in the EU, US and China, Fotona's business philosophy is to continuously choose perfection to ensure the maximum performance and efficacy of its medical devices.

[www.fotona.com](http://www.fotona.com)

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For related patents see: [www.fotona.com/patents](http://www.fotona.com/patents)