

Fotona  
choose perfection

60  
1964  
2024

years of innovation



The Next-Generation  
Pico System for Ultimate  
Speed and Performance

# StarWalker® PICO Pro

Committed to Engineering

The Highest Performance, Best Made Laser Systems in the World

— Get ready  
to shine



# StarWalker® PICO Pro

## *Extra PICO Power for Maximum Efficiency*

For unmatched efficiency and peak performance, the StarWalker® PICO Pro represents the pinnacle of picosecond laser technology.

Specially designed for skin toning, photo-rejuvenation and the treatment of pigmented lesions, scars and tattoos, the StarWalker® PICO Pro delivers **enhanced power** and **exceptional results** enabled by Fotona's patented FracTAT® and ASP technologies.

With a diverse range of laser wavelengths, wide array of spot sizes, and the largest fluence spectrum for flat-top handpieces, the StarWalker® PICO Pro is the **perfect tool for treating larger areas quickly, enabling a wide variety of customized treatments** precisely tailored to individual skin types.

Enter a new era of efficiency and maximize the value of your investment.

- **Skin toning**
- **Pigmented lesions**
- **FracRevive™ photorejuvenation**
- **Black and multicolor tattoos**
- **Scars and resurfacing**

**Highest** energy  
**Shortest** pico pulse  
**Largest spot size**  
at high frequency



# Ideal for Skin Toning of Large Areas

**Skin toning, lightening, and rejuvenation** are highly sought-after procedures all over the world. The StarWalker® PICO Pro stands out as a **premier system for these treatments**, utilizing cutting-edge Nd:YAG technology to deliver ultra-short pulses that target skin pigments, including age spots, freckles, and melasma, with the highest precision.

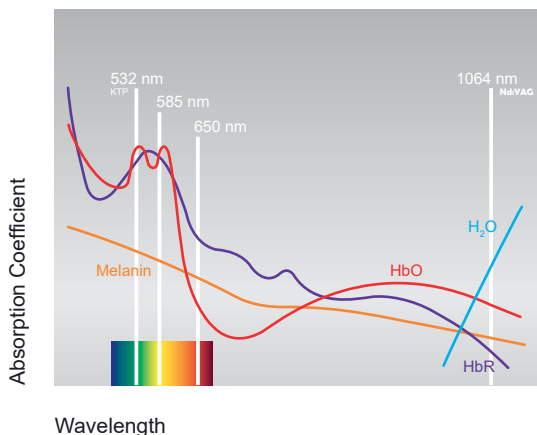
With the ability to generate **spot sizes of up to 12 mm** at high frequencies, the StarWalker® PICO Pro excels at delivering a broad range of laser fluences, making it ideal for gentle yet **efficient treatment of large surface areas**.

Additionally, a non-ablative skin toning procedure stimulates collagen production for long-lasting improvement of skin tone and texture.

**Nd:YAG and KTP**  
spot sizes of  
up to 12 mm

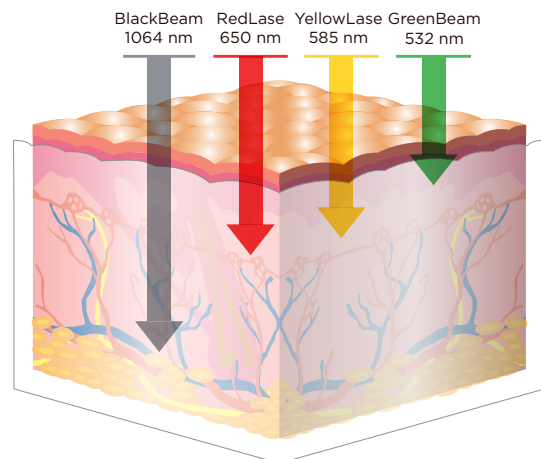
## Multiple Wavelengths to Suit All Skin Types

StarWalker® PICO Pro delivers four laser wavelengths to cover the complete absorption spectrum of melanin, oxyhemoglobin and water. It allows the practitioner to **perfectly adapt each treatment** to the patient's unique skin needs.



Wavelength

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



*Optimal wavelengths for treating structures at different skin depths.*

StarWalker PICO Pro



Revolutionary  
Adaptive Structured Pulse  
Technology

Fotona  
choose perfection

Black Beam

1064 PICO BBeam

J/cm<sup>2</sup>

1.2

Hz

10.0

mm

8.0

# FracTAT<sup>®</sup> Technology for a Diverse

## FracRevive<sup>™</sup> Photorejuvenation

- **Fast & comfortable**
- **Minimally invasive**
- **Minimal downtime**

FracRevive<sup>™</sup> photorejuvenation is an easy-to-perform **2-step treatment** that combines both **full-spot brushing** and **fractional FracTAT<sup>®</sup> stamping** technologies. It effectively reduces pore size, diminishes the appearance of pigmentation spots and wrinkles, and enhances overall skin texture while unifying skin tone.



Courtesy of NuSkinnovation



Courtesy of NuSkinnovation

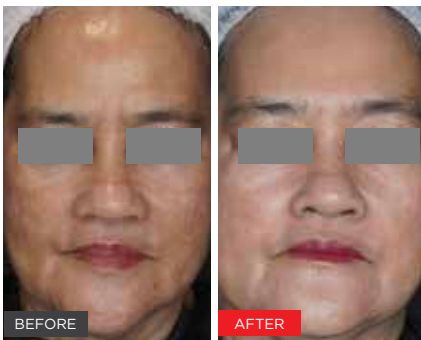


Courtesy of Prof. Leonardo Marini, M.D. and Susanna Marini, M.D.

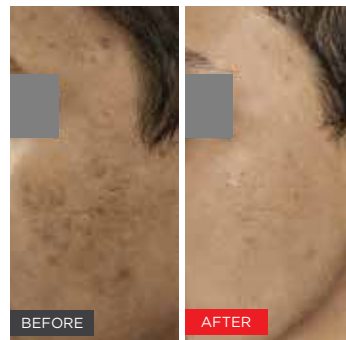
## FracTAT<sup>®</sup> for Rejuvenation, Pigments and Scars

The FracTAT<sup>®</sup> procedure in **ablative mode** enables **deep resurfacing with minimal downtime**, making it an ideal solution for acne scar revision, skin rejuvenation, and skin texture improvement.

Additionally, FracTAT<sup>®</sup> can be performed in a **gentler non-ablative mode**, generating fractional microscopic lesions within tissues as a result of micro cavitations and plasma formation. These are rapidly healed by the intact surrounding tissue, leaving the skin refreshed with fewer imperfections.



Courtesy of Jia Xi Chong, M.D.



Courtesy of Wai Seng Chong, M.D.

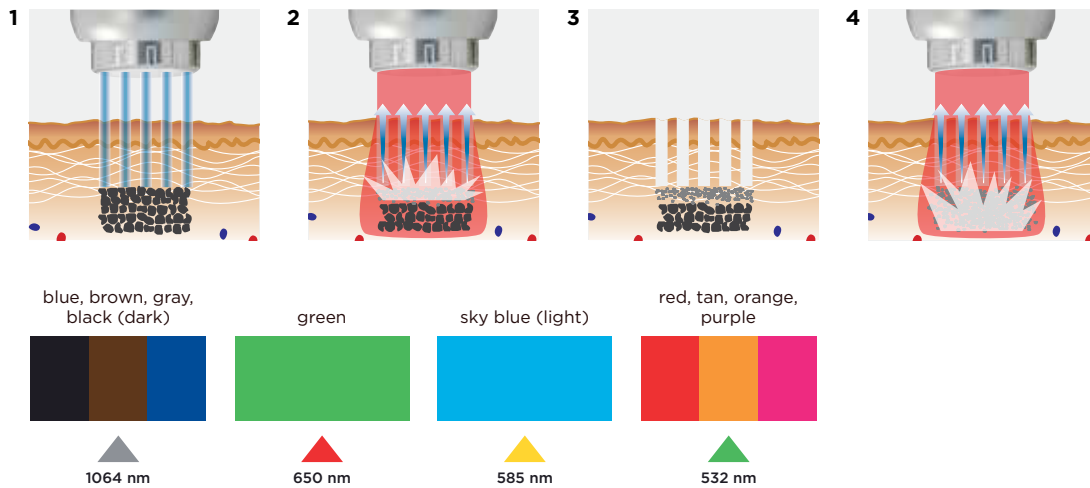
All fractional handpieces can also be used with **Laser Induced Optical Breakdown (LIOB) spacers**, which enable even gentler treatments by moving the formation of micro-damage islands below skin surface.

# Spectrum of Solutions

## Patented FracTAT<sup>®</sup> Tattoo Removal

- Enhanced generation of photoacoustic shockwaves
- Fractional technology for improved healing and sustained skin quality
- Shorter treatment time
- Fewer treatments needed

In the **Fotona FracTAT<sup>®</sup> tattoo removal procedure**, micro-holes are drilled with a fractional laser handpiece **(1)**, followed by treatment with a full-beam handpiece **(2)**. Micro-holes reduce the frosting effect and pressure on the surrounding tissue and act as pressure relief ducts **(3)**, allowing gases formed in the tattoo removal process to escape. This enables deeper pigments to be reached **(4)**, leading to more efficient pigment destruction.



## Introducing the Leo Fractional Handpiece

With a **unique rectangular pattern** that maximizes the efficiency of FracTAT<sup>®</sup> tattoo removal when treating line-shaped tattoos and permanent makeup.



*“The Leo fractional handpiece is a must-have when dealing with complex, resistant and fading tattoos.”*

Prof. Leonardo Marini ●

# Designed with the Practitioner in Mind

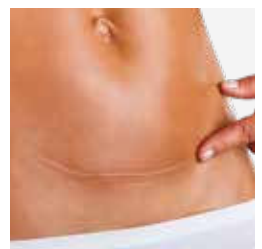
The advanced technology in StarWalker® PICO Pro features a broad range of **smart solutions** to ensure the best treatment experience possible. It is designed to help every practitioner **work faster and more effectively**, whether they're first-time or advanced users.

- Automatic handpiece and spot-size detection for enhanced safety
- Patented OPTOflex® arm for lightweight operation
- Color-coded, medical-grade titanium handpieces
- Small footprint & no consumables



## StarWalker® PICO Pro Specifications

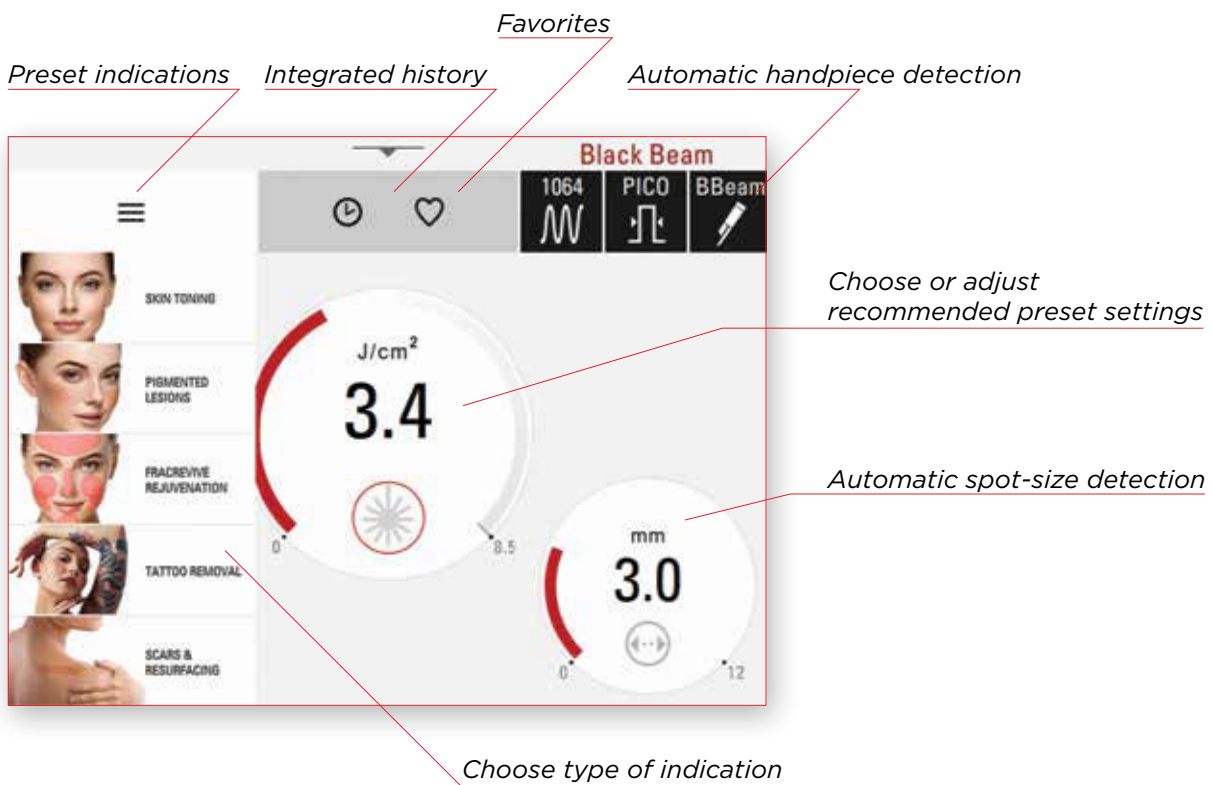
Wavelength	1064 nm; 650 nm
	585 nm; 532 nm
Max. energy	800 mJ
Min. pulse duration	300 psec
Max. peak power	2.7 GW
Pulse repetition frequency	1 to 10 Hz
Max. spot size	Ø 12 mm





# Easy to Use from Day One

- Highly intuitive interface with customizable memory presets
- User-friendly application wizards for recommended parameters
- Easy access to integrated treatment history and patient database















Past treatment

Patient database

Time	Patient ID	Device/Mode	Energy	Frequency	Spot Size	Pls
today 10:34:44	1064	PICO Black Beam	1.2 J/cm <sup>2</sup>	1.0 Hz	3.0 mm	2 pls
today 10:34:58	1064	PICO BF5	6.0 mJ/px	10.0 Hz	5x5.5 px/mm	26 pls
today 10:35:05	532	PICOGreen Beam	1.1 J/cm <sup>2</sup>	10.0 Hz	4.0 mm	32 pls
today 10:35:32	1064	PICO Black	6.7 J/cm <sup>2</sup>	1.0 Hz	3.0 mm	3 pls
today 10:36:50	532	PICO Movit P H	1.5 J/cm <sup>2</sup>	1.0 Hz	4.0 mm	3 pls
today 10:36:56	532	PICO Movit P H	1.0 J/cm <sup>2</sup>	5.0 Hz	4.0 mm	13 pls
today 10:37:08	1064	PICO DuoD	1.0 J/cm <sup>2</sup>	2.0 Hz	3.0 mm	9 pls
today 10:37:29	1064	PICO Leo	2.6 mJ/px	5.0 Hz	11x3.10x2 px/mm	3 pls
today 10:37:33	1064	PICO Leo	5.5 mJ/px	5.0 Hz	11x3.10x2 px/mm	11 pls
today 10:37:43	532	PICOGreen Beam	1.3 J/cm <sup>2</sup>	5.0 Hz	3.0 mm	16 pls
today 10:37:52	1064	PICO BF9	1.3 mJ/px	5.0 Hz	9x9.9 px/mm	10 pls
today 10:38:07	1064	PICO Black	2.6 J/cm <sup>2</sup>	5.0 Hz	3.0 mm	14 pls

# Precision at Your Fingertips

Discover StarWalker's **complete line of advanced handpieces**, crafted for **ease of use** and **exceptional performance**. Fractional handpieces harness the power of the photomechanical effect, channeling energy into precise arrays while keeping the surrounding tissue intact. With this **cutting-edge technology**, physicians can confidently provide precise and effective treatments across a wide range of applications.

Handpiece	Wavelength	Spot size	Spot shape	Best for
BlackBeam & GreenBeam	1064 nm, 532 nm	3, 4, 6, 8, 10, 12 mm	circle 	skin toning, tattoos, pigmented lesions
Black & Green	1064 nm, 532 nm	3, 4, 6, 8, 10 mm	square 	tattoos, pigmented lesions
DuoDot & DuoHigh & DuoLow	1064 nm, 532 nm	1-3 mm	circle 	pigmented lesions
Black F9	1064 nm	9x9 mm	fractional, 9x9 pixels 	FracTAT® tattoo removal, FracRevive™ photorejuvenation
Black F5	1064 nm	5x5 mm	fractional, 5x5 pixels 	FracTAT® tattoo removal, scars
Leo	1064 nm	2x10 mm	fractional, 3x11 pixels 	FracTAT® tattoo removal, scars
Green F5	532 nm	5x5 mm	fractional, 5x5 pixels 	diffuse epidermal pigmentation
RedLase	650 nm	2, 3, 5 mm	circle 	green tattoos
YellowLase	585 nm	2, 3, 5 mm	circle 	sky blue tattoos
Movit	1064 nm	15x15 mm	fractional, 13x13 pixels 	skin toning
	532 nm	13x13 mm	fractional, 21x21 pixels 	skin toning
	1064 nm, 532 nm	10x10 mm	square 	skin toning



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



Committed to Engineering

**THE HIGHEST PERFORMANCE, BEST MADE LASER SYSTEMS  
IN THE WORLD**

since 1964



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

