



enLIGHTEN®

Powerfully
Versatile
PICO
Technology

CUTERA®
FACE + BODY AESTHETIC SOLUTIONS

enLIGHTEN®

PICO Revolutionized

enlighten was the first picosecond platform to feature three fully-integrated wavelengths, including 670 nm, the first true-red picosecond wavelength, and industry-leading specifications to address a wide range of concerns on the face + body.

- Multicolor tattoos
- Epidermal and dermal pigmented lesions
- PICO Genesis for skin revitalization on all skin types
- PICO Genesis FX for acne scars and skin texture concerns*



Advanced Technology

- >20% higher than the competition¹
- ~ 40X shorter pulses than traditional technology¹
- Independent control of parameters



Full Customizable

- 3 clinically proven wavelengths
- Dual pico + nano pulse durations
- Large spot sizes up to 10 mm

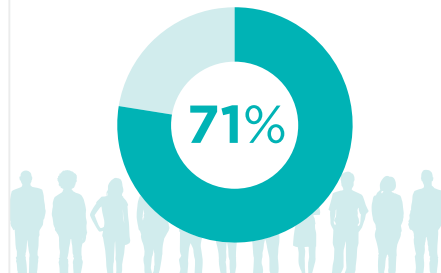


Maximum Return

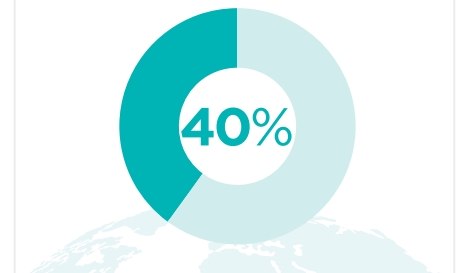
- Multiple treatment applications
- Fast 2 minute start up
- Fully-integrated wavelengths



1 in 4 individuals experience tattoo regret.¹

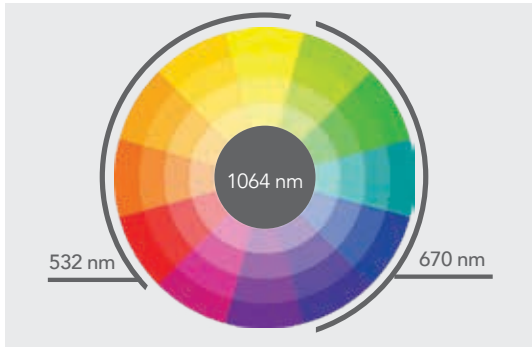


40% of the population is susceptible to pigmentation and 71% of consumers seek tone and texture improvement.^{4,5}



Acne affects around 650M individuals, 40% of which will have some form of acne scarring.^{2,3}

Unrivaled Technology, Proven Outcomes

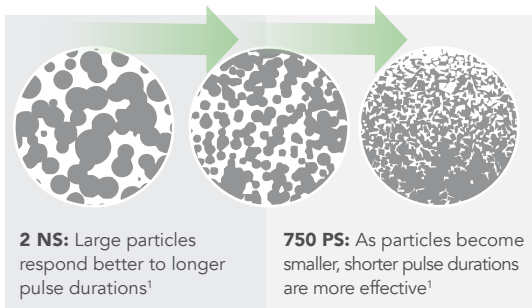


enlighten's wavelengths offer the highest absorption of today's most common ink colors: black, red, blue and green.

Selectively Chosen Wavelengths

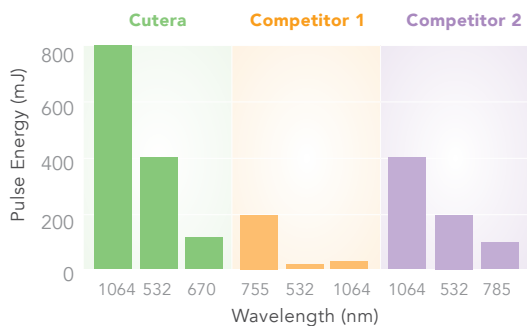
Tattoos and pigment are comprised of multiple colors which require multiple wavelengths to be effectively removed. enlighten's 532, 1064 and 670 nm wavelengths were selectively chosen based on their ability to remove the widest range of colors and pigments on all skin types.

The 670 nm wavelength is the first true-red picosecond wavelength that effectively removes blue and green tattoo inks, and can effectively address resistant epidermal and dermal pigmentary concerns with a higher safety margin.



Optimized Pulse Durations

Matching pulse duration to particle size results in faster, more complete clearance. enlighten's dual pulse durations - 2 ns and 750/660 ps – treat varying densities and particles sizes more efficiently than single-pulse duration systems for results in fewer treatment sessions.



Strong, Powerful Delivery

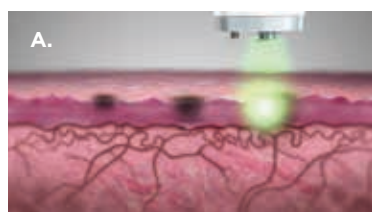
enlighten delivers a strong, non-thermal photomechanical effect by combining high peak power and ultra-short pulse durations to shatter unwanted ink and pigment at varying depths without causing damage to the surrounding tissue.

Customized Delivery, Beautiful Skin



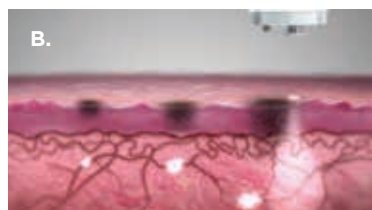
Low Risk, High Reward Pigment Removal

Address epidermal and dermal pigmented lesions on all skin types with confidence and ease. From low-contrast lesions to denser lesions on darker skin types, enlighten's range of specifications provides the necessary tools to effectively remove pigmented lesions with a higher safety margin.



A.

A. Selectively shatter pigmentary issues with highly effective laser wavelengths (532 nm / 670 nm)



B.

B. Deliver non-thermal, laser induced shockwaves for dermal disruption and remodelling (1064 nm).

Brilliant, Clear Skin with PICO Genesis®

Shatter unwanted pigment and induce dermal disruption and remodeling with PICO Genesis. Delivered with a multi-pass technique, PICO Genesis harnesses the power and flexibility of enlighten for true skin revitalization in 2-3 treatment sessions.

Renewed Skin with PICO Genesis® FX

PICO Genesis FX elevates enlighten's skin revitalization capabilities and introduces a fractional approach for the treatment of acne scars, textural concerns and aging skin on all skin types. Its novel Micro Lens Array (MLA) creates small, gentle micro-wounds in the upper layers of the epidermis and dermis to induce collagen stimulation and remodeling while leaving the surrounding tissue unharmed for results with faster healing.



enlighten Results

Tattoo



Before



After 3 treatments

Photos courtesy of Erasable, Inc.

Pigment



Before



After 1 treatment

Photos courtesy of K. Stankiewicz, M.D.

PICO Genesis



Before



After 1 treatment

Photos courtesy of H. Heise, M.D.

PICO Genesis FX



Before



After 1 treatment

Photos courtesy of W. Manusiatti, M.D.

Technical Specifications

Wavelength	532 nm	670 nm	1064 nm
Pulse Energy	400 mJ	125 mJ	800 mJ
Pulse Duration	750 ps, 2 ns	660 ps	750 ps, 2 ns
Spot Size	Up to 10mm	Up to 6 mm	Up to 10 mm
Rep Rate	Single shot - 10 Hz	Single shot - 5Hz	Single shot - 10 Hz
Dimensions	36" H x 20" W x 33" D		



MLA Technical Specifications

Wavelength	532 nm	1064 nm
Pulse Energy	Up to 2 mJ	Up to 4 mJ
Spot Size	<200 µm	
Pitch	0.5 mm	

About Cutera

Cutera is a leading provider of laser and other energy-based aesthetic systems for practitioners worldwide. Since 1998, Cutera has been developing innovative, easy-to-use products that enable physicians and other qualified practitioners to offer safe and effective aesthetic treatments to their patients.



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¹ Tattoo Removal Study, ORC International (Commissioned by CUTERA) ² <https://www.drugdevelopment-technology.com/comment/acne-time-new-approach/>
³ <https://www.mdedge.com/dermatologynews/article/97454/aesthetic-dermatology/acne-scars-match-treatment-scar-type-best>
⁴ <https://www.alliedmarketresearch.com/tattoo-removal-market> ⁵ 2016 ASDS Consumer Survey on Cosmetic Dermatologic Procedures
 *The Micro Lens Array is Health Canada approved for pigmentation and skin revitalization



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