PicoMax

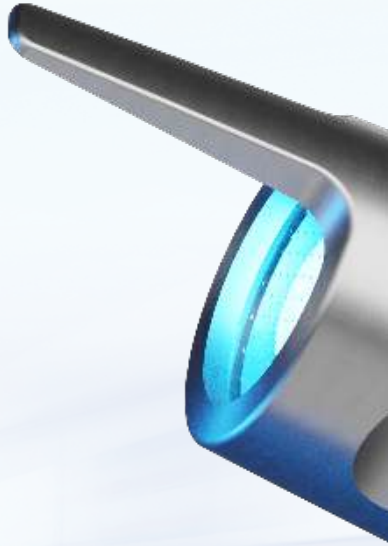
Advanced Pico Laser For Pigment & Tattoo Applications

Technology Behind Pico Laser

Pico laser sends ultra-short bursts of energy—lasting just one trillionth of a second—into the skin. This rapid speed creates a strong, shockwave-like pressure effect that shatters target pigments and tattoo ink into tiny micro-particles. These fragments are then naturally cleared away by your body's immune system.

Because the laser pulses are so fast, the energy does not transfer heat into the surrounding tissue. This minimizes side effects, protects the skin from burns, and speeds up recovery times compared to older lasers

Key Features



Ultra Shot Pulse 350ps

High Peak Power 400mj

Focus Lens handpiece Optional

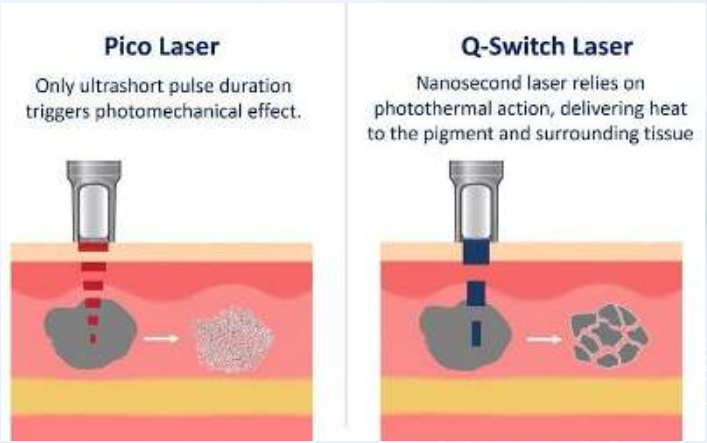
Optional 585nm and 650nm wavelengths for tattoo removal capabilities

Intuitive UI for Simplified Operation

Pico Laser vs Nanosecond Laser

Nanosecond lasers rely more on heat to break down pigments, which can be less efficient for stubborn inks/colors and cause more collateral thermal damage.

Pico lasers often clear tattoos faster (sometimes in fewer sessions), work better on certain colors, and have less downtime, though results vary and some studies show mixed superiority depending on the device and tattoo



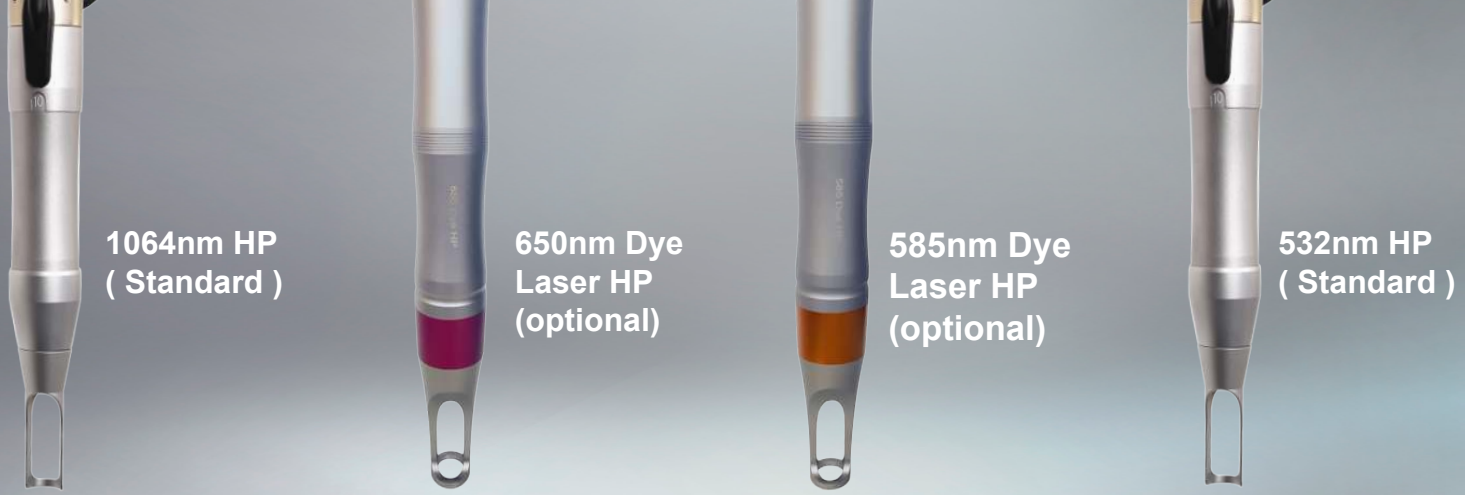
Applications for *PicoMax*

Tattoo Removal: Shatters tattoo ink of all colors into tiny particles for the body to clear.

Pigmentation: Fades age spots, sun spots, freckles, and melasma.

Acne Scars: Breaks up scar tissue and builds new collagen to smooth the skin.

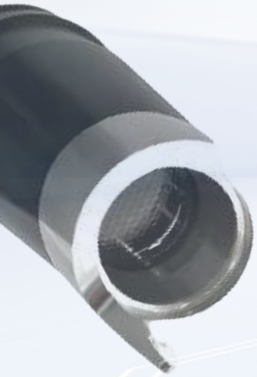
Skin Rejuvenation: Reduces fine lines, wrinkles, and large pores by boosting collagen

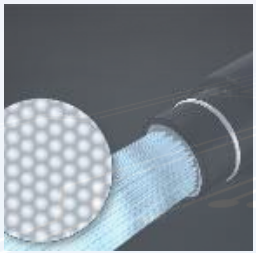


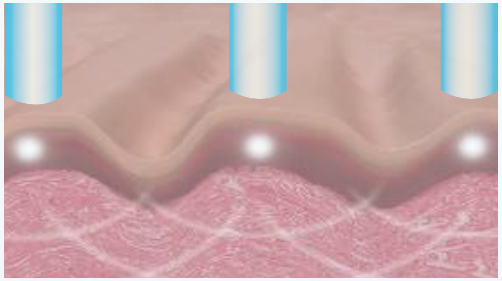
4 Wavelengths. Wider Treatment Possibilities
Expanding Clinical Possibilities Beyond Traditional Nano Systems

Focus Lens

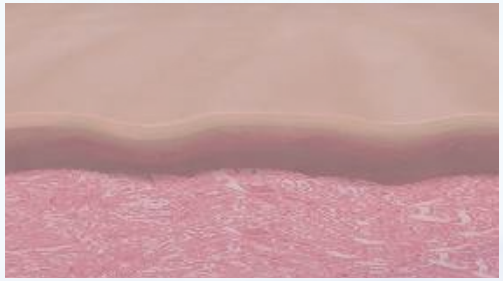
Treats fine lines, wrinkles, acne scars and large pores with no downtime



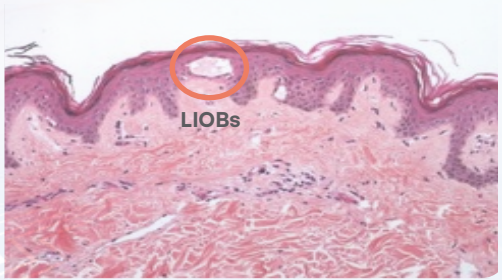




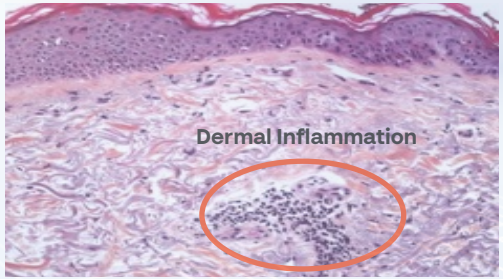
Low intensity and high intensity energy create an elegant injury in the epidermis called intraepidermal Laser Induced Optical Break-downs or LIOBs. As the LIOBs is formed, it creates a pressure wave that expands into the dermis.



The pressure wave activates the body's natural healing response to increase collagen and elastin production without the thermal side effects or downtime of other lasers.



Histology shows the formation of LIOBs in the epidermis.



Histology shows the dermal response which results in the production of new collagen and elastin.

Before and After

PicoMax

Specs & Accessories

Wavelength	1064nm/532nm (Standard) Focus Lens/585/650nm (Optional)
Pulse Width	350 ps
Pulse Energy	400mJ ± 10%
Max Fluence	16 J/cm^2
Spot Sizes	2-10mm Adjustable
Power Supply	200-240 V, 50/60 Hz
Dimensions (H x W x D)	111cmx 118x 49cm
Weight	165kg

CE FDA ISO 13485