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 E-Med

ACTIVO

Q-switched Nd:YAG
Laser System



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The Q-Switched Nd: YAG Laser method with short pulse width and low energy used for removal of pigment demonstrated better treatment effects than other conventional treatment methods.

This treatment method is a new concept that can be described as selective photo rejuvenation with minimal thermal damage and inflammation reaction to affected tissues by pigmentation.

This treatment method should be regarded as minimized selective photo rejuvenation that will provide a new effective treatment for melasma.

Our Q-Switched Nd: YAG, ACTIVO, is a revolution in tattoo & pigmented lesion treatment. This remarkable new configuration optimizes the delivery of constant laser energy to the target chromosphere while minimizing side effect of the skin.



Removal of pigmentation :

Stable and Powerful energy delivery By robust SMPS. 2 kinds of photoacoustic twin/triple pulses

- **Stable Energy Delivery System**
- **Powerful Skin Toning Solution**
- **High Peak Power Performance**



Key Features

Laser Category :	Q-Switched Nd: YAG
Laser Source :	Nd: YAG
Wavelength :	1064nm / 532nm
Indications :	Laser toning(1064nm) Laser peel(1064nm) Epidermal Lesion(532nm)
Advantages :	High Peak Power, Less side effect Less Pain, Types of Three Pulses



Treatments by 532nm wavelength

532nm/Epidermal Lesions:

The treatment of the pigmented lesions in epidermis Freckles, Seborrheic Keratosis, Cafe Au Lait

Treatments by 1064nm wavelength

1064nm/Dermis Lesions :

The treatment of the pigmented lesions in dermis Melasma, PIH (Post-Inflammatory Hyperpigmentation) Tattoos, Nevus of Ota, Abnom

1064nm/Rejuvenation:

Wrinkles, Large Pores, Sagging Skin



Double Mode

One pulse is divided into two parts for less side effect and pain.

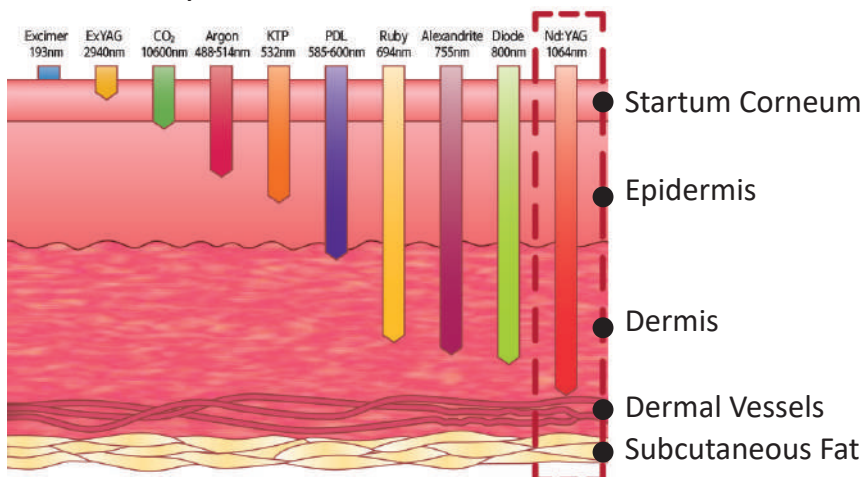
&

Triple Mode

One pulse is divided into three parts for quite less side effect and pain with mild penetration.

Characteristics of Q-switched Nd: YAG Laser

Depth of penetration by various lasers



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- **Stable Energy Delivery System** • **Powerful Skin Toning Solution**
- **Dual PTP Cartridge Support** • **High Peak Power Performance**

FEATURES & SPECIFICATIONS

Laser Type & Source	: Q-Switched Nd:YAG Laser
Indications	: Tatto removal (1,064/532nm) Nevus of Ota (1,064nm) Epidermal Lesions (532nm)
Hand Pieces	: Zoom, MLA (Opt.), Collimated (Opt.)
Advantages	: High Peak Power, Less Side Effect Less Pain, Types of Three Pulses
Wavelength	: 1064nm / 532nm
Operation Mode	: Q-switched & Free Running (Quasi-long)
Beam Profile	: Top Hat Mode
Pulse Energy	: 1064 (Q-switched mode) Max. 2700mJ 532 (Q-switched mode) Max. 900mJ
Type of Pulse	: Single Pulse (One whole pulse) Double Pulses (Photoacoustic Twin Pulses) Triple Pulses (Photoacoustic Triple pulses)
Pulse Width	: 5 - 10 ns (Q-switched Mode)/500μs (FR mode)
Spot Size	: 1064 & 532 mode (Q-switched) 2 - 10 mm
Pulse Rate	: 1064, 532, FR mode (Max. 10 Hz)
Memory	: 5 User Programmable Memory
Optical Delivery	: Articulated Arm
Aiming Beam	: Diode 650nm (Red), Adjustable Brightness
Display	: 10.4"
Cooling	: Closed Circuit Water to Air
Input Power	: Single phase, 110/220VAC 50/60 Hz, (Fuse 250V/20A),
Power Consumption	: 3 kVA
Dimension	: 315 x 825 x 1,022 [mm]
Weight	: 90 [kg]



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