

ESTHETICS



TriCell
BIOLOGICS

ATHENA

OPT+ SHR + ND YAG



Athena is an advanced workstation for complete aesthetics applications. The platform combines **Optical Pulse Technology (OPT)**, **Slide hair removal (SHR)** and **ND-YAG technology** with 2 applicators to deliver customized hair removal and skin treatments. It has two light sources: IPL light source and Q-Switch ND-YAG solid laser providing a wide range of wavelength options that incorporates fully guided treatment modes for various applications.

Intense Pulse Light (IPL)

IPL is a skin treatment that delivers high-intensity pulses of polychromatic light that penetrate and heat the sub-surface layers of skin. It works with a broad wavelength spectrum of 450-1200nm allowing great variability in personalized treatments. As broad-spectrum light spreads out, it can treat larger areas at once thereby reducing the number of sessions.

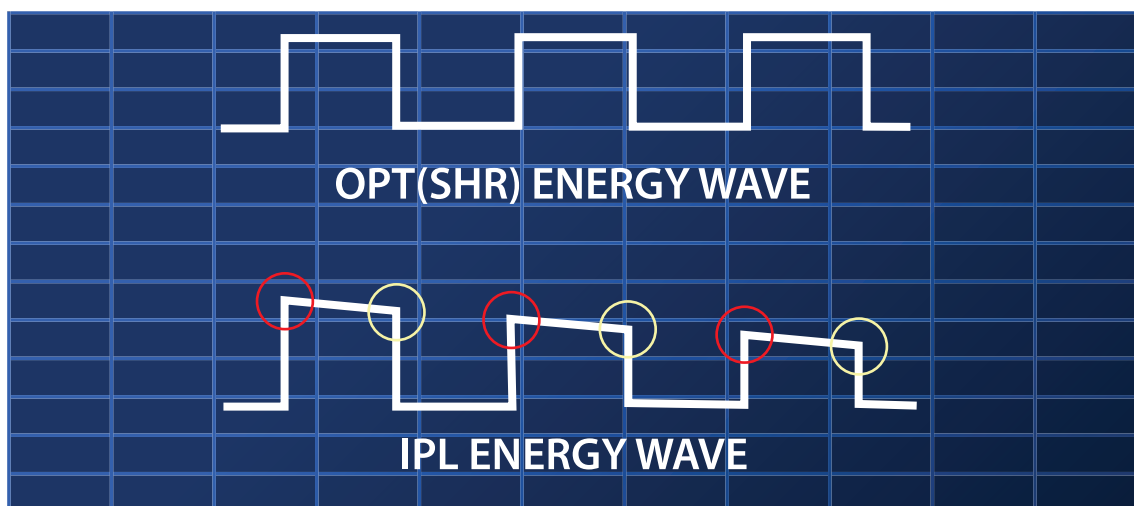
It operates in two treatment modes: **Slide hair removal (SHR)** and **Optical Pulse Technology (OPT)**

1. Slide hair removal (SHR)

In this treatment mode, a continuous beam of low energy light pulses is delivered at long exposures that cause non-selective tissue damage. It can treat a variety of skin conditions such as vascular and pigmented lesions, tattoos, scars, and undesired hair, broken capillaries.

2. Optical Pulse Technology(OPT)

Optimum Pulse Technology (OPT) is a new breakthrough in Intense Pulsed Light (IPL) technology. It emits constant energy to realize optimum clinical results. The use of three-dimensional technology concepts : energy+ pulse width+ pulse waveform. It is optimal for photo rejuvenation of skin and treatment of benign pigmented lesions. It is more comfortable and patient friendly procedures than long duration continuous pulses.



ND-YAG Mode

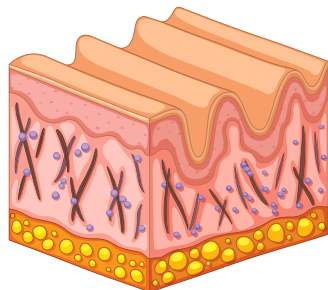
Nd:YAG is a solid state laser capable of producing near-infrared wavelength that penetrates (1064nm) deep into the dermis layers of skin and is readily absorbed by haemoglobin and melanin chromophores. It is possible to significantly heat deep skin tissues such as large blood vessels and vascular lesions using long duration pulses and induce photo coagulation and photo thermolysis effect.

Photocoagulation Effect

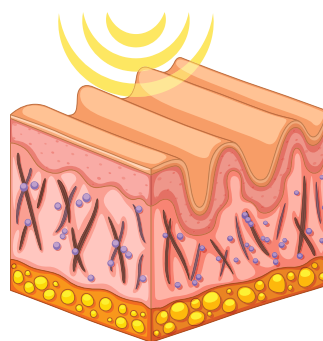
Both IPL and ND: YAG lasers induce photocoagulation effect due to absorption of light energy by chromophores. The three primary endogenous chromophores are water, melanin, and haemoglobin; whereas tattoo ink represents an exogenous chromophore. Once absorbed, it produces heat-induced injury and initiates accelerated healing cascade to treat multiple skin conditions.

Skin Rejuvenation: Carbon Blasting Mode

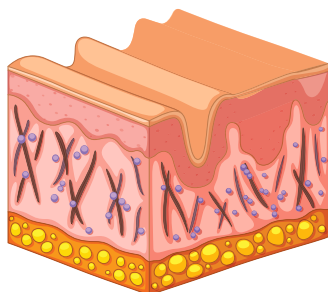
In this mode, a layer of liquid carbon is applied over face or targeted skin area, which penetrates deep into the pores of the skin. When laser light is passed, carbon is activated removing contaminants, blackheads and dead skin cells. It exfoliates the skin, stimulate collagen production, improve elasticity and tightens the skin. It is a revolutionary laser treatment with minimal to zero downtime. It is suitable for all ages and removes age spots, dark spots, freckles, wrinkles and fine lines.



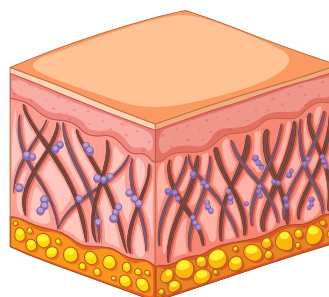
Aged skin produces less collagen resulting in the appearance of fine lines, wrinkles, creases etc.



The light from IPL go deep in the skin to produce more collagen



The new collagen produced starts moving towards skin's surface.



Production of collagen is increased and is evenly spread in the skin in a smoother texture.

Features:

1. Treatment Handles:

SHR APPLICATOR/HANDLE



SHR, OPT

480-900/540-950/640-950nm

IPL

1-10HZ

15*50mm

ND-YAG APPLICATOR/HANDLE



ND-YAG

532/1320/1064nm

YAG Laser

1-10HZ

Pulse duration: 8ns

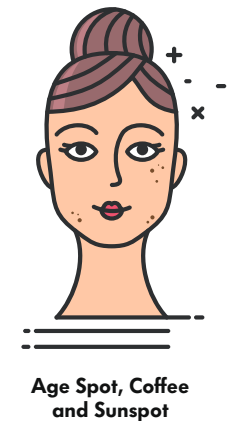
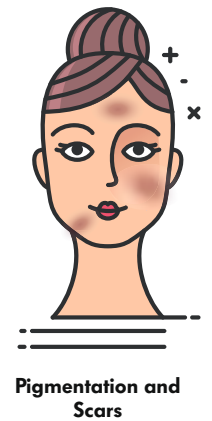
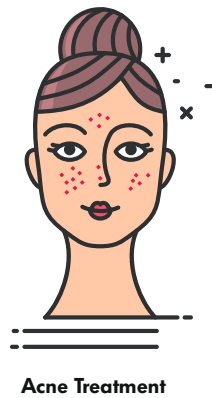
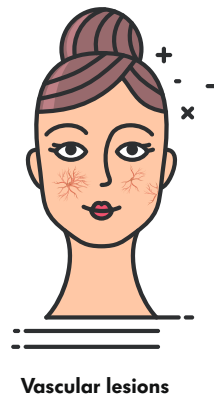
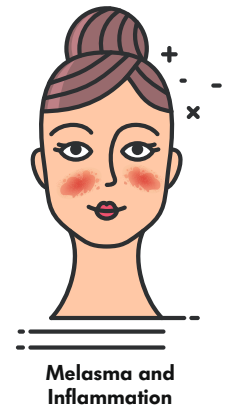
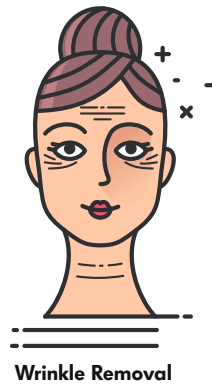
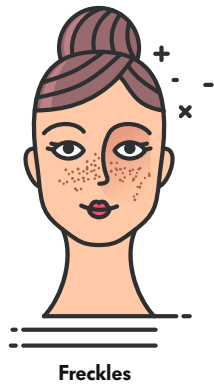
Carbon Tip with 1320nm special for blasting Toner

Multiple Spot sizes

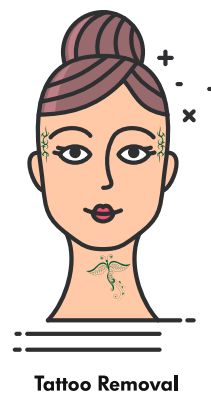
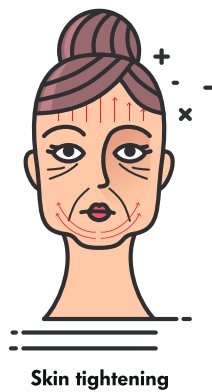
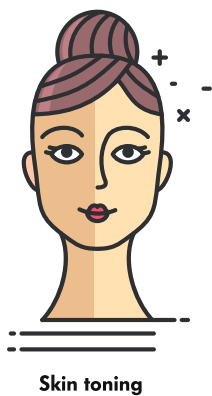
Parameters can be adjusted according to skin tone : User friendly option

Applications:

1. IPL + OPT Modality



2. ND-YAG



Results:



BEFORE



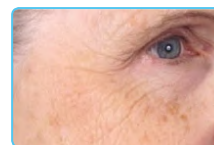
AFTER



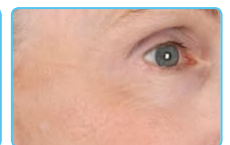
BEFORE



AFTER



BEFORE



AFTER



BEFORE



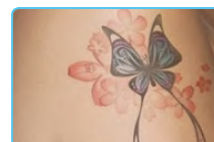
AFTER



BEFORE



AFTER



BEFORE



AFTER




CoolSlimming | **PicoIris Laser** | **Eos-Ice Plus** | **Athena**

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