

# AESTHETICS



**TriCell**  
BIOLOGICS



# Picolris Laser

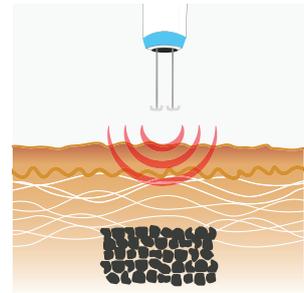


Picolris is the first-generation revolutionary aesthetic lasers that delivers energy so rapidly (1 picosecond = one trillionth of a second) to treat tattoo, scar and pigments. The efficiency is much superior than Q-switched laser. Picosecond laser uses the output of very short pulses to create opto-mechanical shock waves, smashing the target into the small particles, and minimizing the side effects of photothermal effect. The transient lens causes epidermal vacuolization protects the integrity of the basal layer of the epidermis. The treatment process is shortened from 10 times in a conventional Q-switch to 2-3 times and does not harm the dermis, reducing the possibility of side effects and increasing success rate of outcomes.



## Photoacoustic Effect

Using Proprietary focus lens technology, Picolris effectively converts the laser energy into gentle pressure waves that activate cell signalling, stimulate collagen and elastin production to give younger-looking skin without downtime. The generated pressure waves cause particle fragmentation which is removed by lymphatic system. This is the process called **photoacoustic effect**.



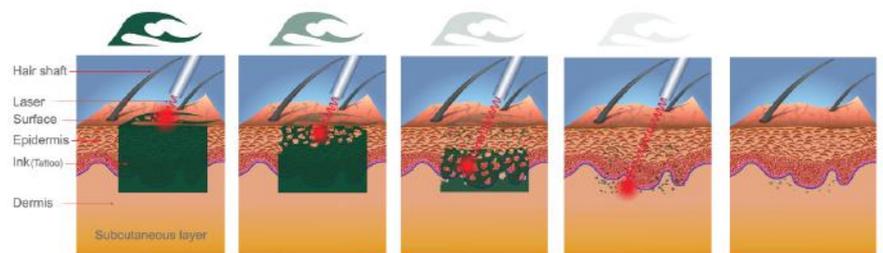
## Difference between Q-Switch and Pico Laser

Q-Switch lasers work on the principle of selective photo thermolysis and also produce an additional photoacoustic effect which potentially causes explosion of the target. However, Q-switch laser delivers high energy pulses at 1 billionth of a second (ns) which causes post pigmentation, scars and burns. Not suitable for all skin types and takes more sessions than a picosecond laser.



## Application:

- Tattoo removal.
- **Skin rejuvenation:** Carbon blasting.
- Removes fine lines, wrinkles, freckles and age spots.
- Spot correction such as scar and melasma.
- Coffee and brown pigmentation removal.
- Discoloration and sunburn treatment.



## Features:

- **Short Pico Pulses @ 500ps**
- Support 24 hours of continuous work
- **Variable Spot Size:** 2, 3, 4, 5, 6, 7, 8mm & 10mm
- Triple Wavelength Combination

### - Target different pigments



# PICO IRIS LASER APPLICATION PARAMETER SETTING

APPLICATIONS	THE BEST FREQUENCY	SPOT SIZE	ENERGY VALUE
✓ Tattoo Removal*	✓ 3 Hz	✓ 2-4 mm	✓ Starting 10J/cm <sup>2</sup>
✓ Removing Permanent Makeup Eyebrows*	✓ 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Removing Eye-Lines*	✓ 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Removing Lip-Lines*	✓ 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Removing body lines	✓ 5 Hz, 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Removing Facula and Moles*	✓ 5 Hz, 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Removing Birthmark	✓ 5 Hz, 3 Hz	✓ 2-4mm, Use spot size available for blasting pigments	✓ Starting 10J/cm <sup>2</sup>
✓ Skin Rejuvenation with Carbon*	✓ 5 Hz, 3 Hz	✓ 5-8mm, Use spot size pigments	✓ Starting 6J/cm <sup>2</sup>

## Note:

### \* Carbon Blasting

This Carbon Blast Laser Skin Rejuvenation is performed using 1064nm Wavelength.

( Please note: Carbon Peel should be a light layer).

Handle the treatment head at a vertical angle to the target area.

### \* Tattoo Removal

The 532nm wavelength is used to remove red, orange, coffee and brown pigments.

The 755nm wavelength is utilized for dermis blue, green and black pigments.

The 1064nm wavelength is employed for blue and black pigments.

Handle the treatment head at a vertical angle to the target area

\* When removing eyebrows, eye lines and lip lines, the spots should overlap and move in a straight line.

\* When removing nevus spilus, divide the targets into smaller areas and treat them several times until there is blood effusion.

## Results:






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

Brought to you exclusively by:



TriCell Biologics Pvt. Ltd  
 Plot No: 4&5, Dhanarajpuram, Kolathur,  
 Chennai - 600 099, Tamilnadu, India.  
 Tel. +91 95000 80399  
 E-mail: support@tricellbio.com  
 Website: www.tricellbio.com



**Disclaimer:**

Most data presented in this brochure are based on published studies carried out in different parts of the world. Health-related information and opinions change frequently and therefore information contained in this brochure may be outdated, incomplete or incorrect. The information, statements and images provided in this brochure is for informational purposes only and should not substitute advice provided by the treating physician.

Manufactured by: PZ LASER SLIM TECHNOLOGY CO.LIMITED #Room 201,Floor 2nd,Bulding 2,No.52 Hongsong Road, High-Tech Industrial Development Zone, Zhengzhou,R.O.C  
 CE, TUV, FDA and ECM are registered with PZ Laser Slim Technology Co. Limited