



X1 PERFORMANCE ULTRA

Your Most Reliable Medical-Grade
Dual-Wavelength NIR Device



Arthritis



Back Pain



Cervical
Spondylosis



Frozen
Shoulder

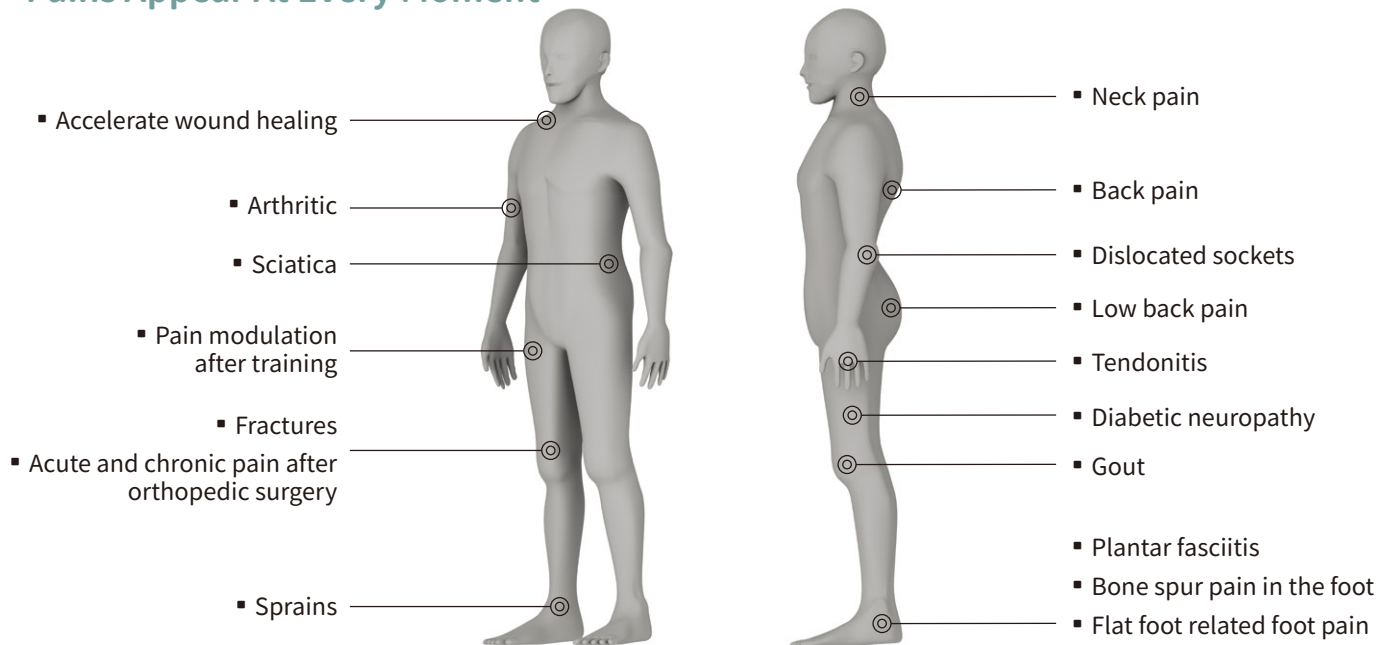


Mouse Hand



Herpes Zoster

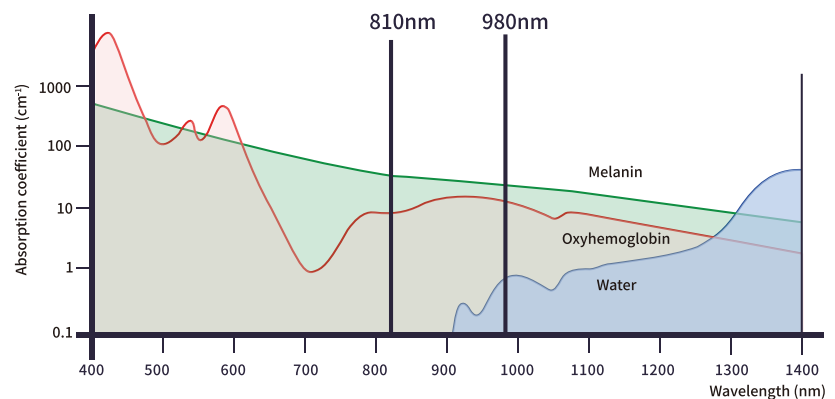
Pains Appear At Every Moment



Medical-Grade Dual-Wavelength NIR

Non-Addictive And Natural Therapy

X1 Performance ULTRA utilizes natural, human friendly dual-wavelength near infrared light at 810nm and 980nm. Besides being free of harmful chemicals and non-addictive, it also has a non-repellent effect, and thereby it is compatible with other pain relievers including ibuprofen, mefenamic acid, acetaminophen, pheniramine, morphine, and fentanyl.



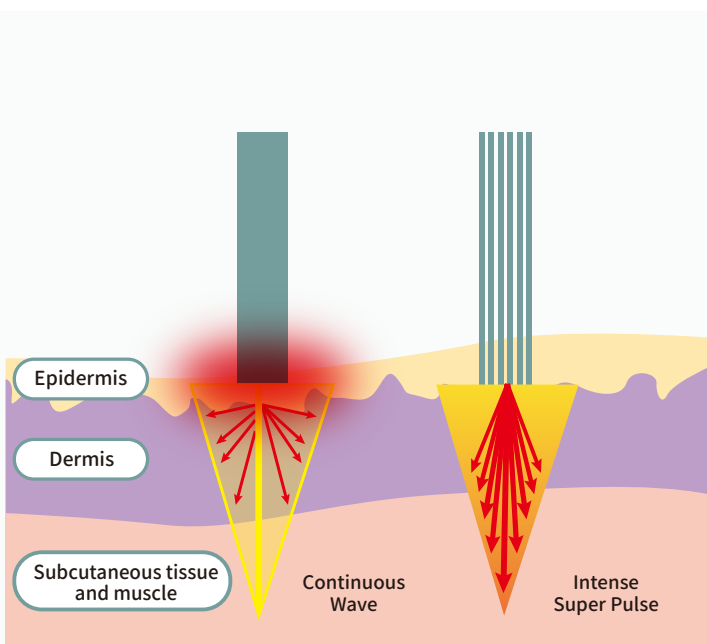
Perfect Solutions With Dual Mode

CW Mode

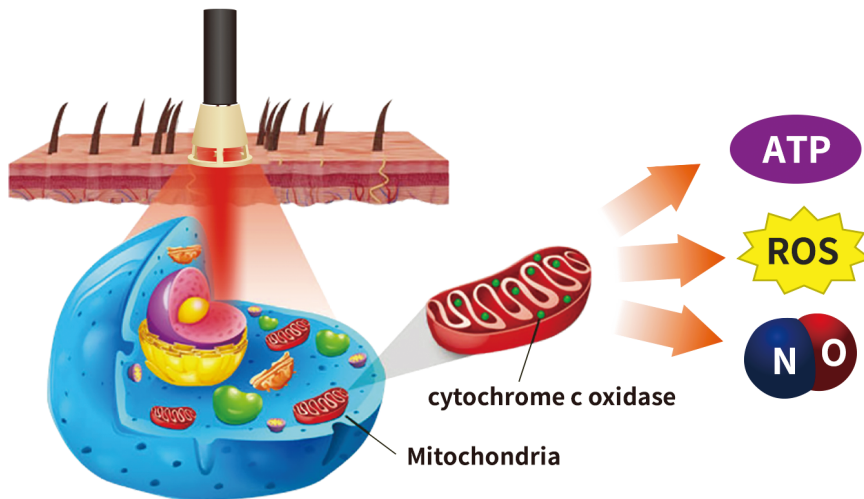
After the adjustments based on numerous clinical research cases, the Matelaser team adopted 15W average power in continuous wave (CW) mode to provide patients with a stable and uninterrupted beam. It allows tissues within the target area to absorb this energy consistently and evenly, which can improve blood circulation and continuously perform photobiomodulation.

ISP Mode

With the basic principle of Super Pulse (SP mode), the Intense Super Pulse (ISP) mode adds higher pulses (20W) into the intermittent energy delivery mode (average 15W). By doing so, it penetrates deeper into the skin in order to reach the source of pain directly. It not only enhances the therapeutic effect, but also minimizes heat buildup. Therefore, it is ideal for stimulating cells, reducing inflammation and managing acute pain through controlled heat.



Secret of Healthy: Photobiomodulation Therapy (PBM)



ATP

- Repairing cells
- Cell regeneration

ROS

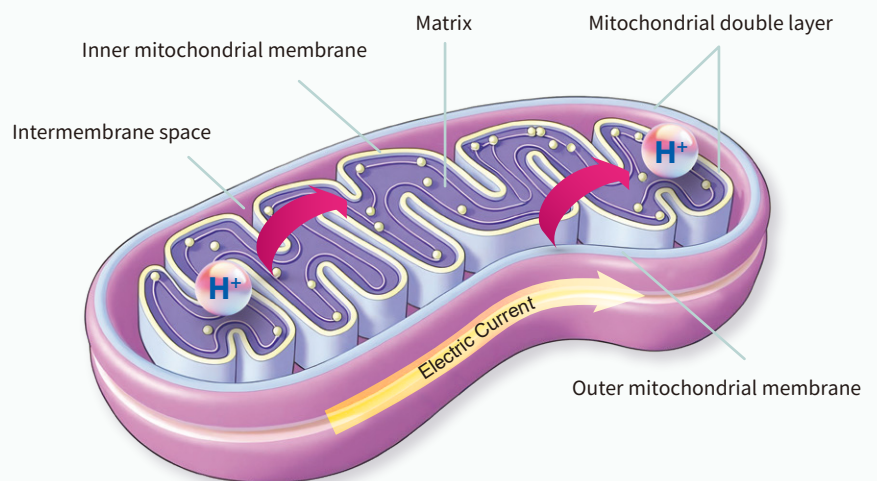
- Promoting vasodilation
- Accelerating lymphatic circulation
- Increasing oxygen and nutrients
- Repairing tissues

NO

- Boosting healing efficiency
-> Repairing tissues
- Increasing oxygen and nutrients
-> Reducing inflammation

X1 Performance ULTRA is based on the principle of Red Light and NIR to activate biological processes in cells. Different NIR wavelengths can regulate ATP (Adenosine Triphosphate), ROS (Reactive Oxygen Species) and NO (Nitric Oxide). They enhance cell energy and promote tissue repair, achieving the effect of accelerating healing, reducing inflammation and relieving pain.

Pros of boosting ATP

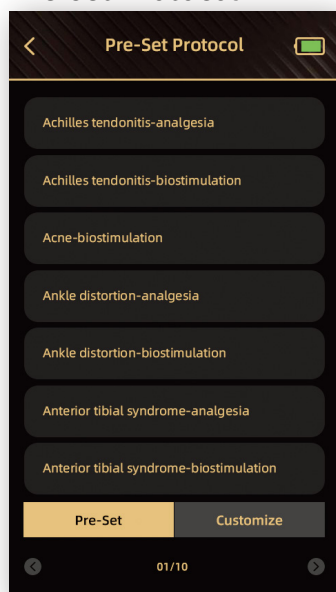


H⁺: Electron transport leads to proton pumping across the inner mitochondrial membrane

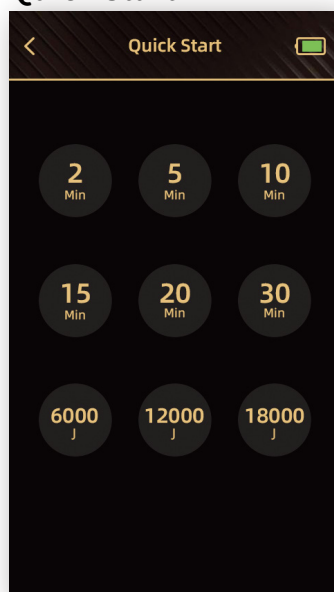
Mitochondria are like ATP factories, which can combine daily food and oxygen and convert them into ATP. If the body is stressed or injured, hydrogen sulfide will appear, hindering the normal functioning of mitochondria and reducing the efficiency of mitochondrial ATP production. X1 Performance ULTRA makes use of NIR to cooperate with metabolism to expel hydrogen sulfide from the body and restore the working efficiency of cytochrome C oxidase to help produce ATP.

Simple, Perfect And Convenient NIR Device With In-House AI And Algorithm

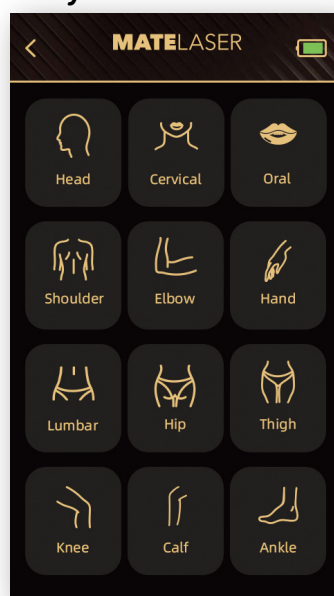
Pre-set Protocol



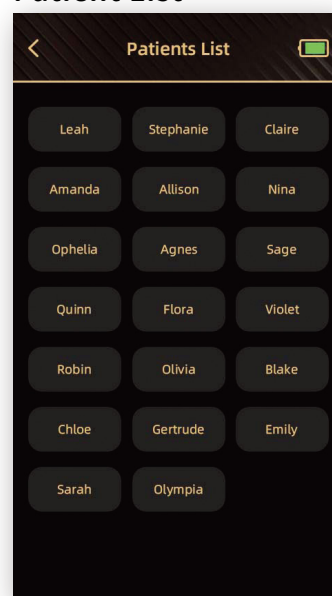
Quick Start



Treatment options by body areas



Patient List



General Specifications

Wavelengths	810nm, 980nm	CW Avg Power	15W
Frequency	500 Hz	Weight (Inc. handpiece)	1160g
ISP Peak Power	20W	Dimensions (WxLxH)	130 x 215 x 65mm
ISP Avg Power	12W		

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