

All colors at once

Violet: 415 nm
 Blue: 470 nm
 Yellow: 590 nm
 Red: 630 nm
 InfraRed: 850nm

THE WORLD MOST
 POWERFULL
 MULTISPECTRAL LED
 MEDICAL SYSTEM
 for
 PHOTOTHERAPY

New painless
 PDT procedure

triWings® the world's most efficient led system for anti-aging, relaxation, pain control and area specific biostimulation using PDT.

triWings® is the only Medical Device in the world to be able to combine different bright and powerfull colours that have a direct effect on anti-aging, skin diseases and stretch marks.

triWings® treatment combines multiple colours and decreases pain and inflammation, treats burns and helps to repair the injured skin and starts the anti aging bioprocess.

Effects are fast. Patients immediately feel the action on the elasticity, texture, grain and tone of their skin.

LED lamps do not heat up and sessions are therefore absolutely painless and are a total pleasure for the patient.



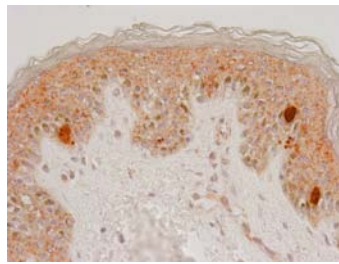
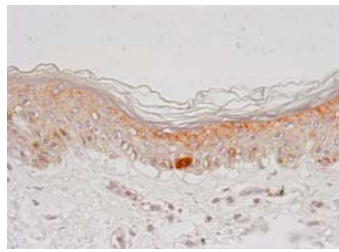
DYNAMIC PHOTOTHERAPY leads to the production of collagen.

The photonic, histological and chemical studies have demonstrated the improvement of the skin texture due to the increase of collagen synthesis by the fibroblast.

The increase of skin micro-circulation leads to the improvement of the biochemical exchanges as well as the decrease in production of free radicals (Rohs).



Mitochondria : the cellular energy plant, containing cytochrome oxydase organits



DIRECT ATHERMIC CONVERSION

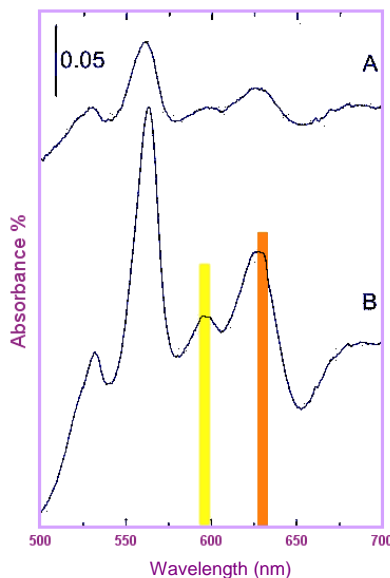
Light energy is transferred inside tissues by photoelectric effect and gives fast results on

***pain,
inflammation
healing***

All these effects lead to a faster improvement of injured tissues, whatever localization & chronicity.

Light absorption by Cytochrome Oxydase

Red , yellow and violet colors work on 3 absorption peaks of the cytochrome oxydase , organit involved in the respiratory chain cell process inside mitochondria.



The absorption curves of the ALA 5 used for PDT are quite similar to cytochrome oxydase, explaining the fact that led illumination with ALA5 treats precancerous skin lesions, along with a rejuvenating effect.



Main advantages

Validated protocols for a wide range of medical and cosmetic indications

Painless treatment for PDT

Short treatment times

High efficiency: 1 to 4 colors at once

Ergonomy of use

The triWings led bio process action has the checked following effects

- Repolarization of the cell membrane. *(CNRS Toulouse France)*
- Tissue modification of the "free water / bound water ratio for an anti-inflammatory effect. *(Pole GBM Univ. Toulouse France)*
- Absorption by the cytochrome oxydase with stimulation of cell metabolism. *(Univ. Genova Italia)*
- Activation of the dermal papillae and increase of the blood microcirculation *(Dr Linda Fouque, Nice ; Vinscience Laboratories, Sofia Antipolis, France)*

- **PDT** with ALA5% 20%: 15/18 minutes instead of 8-25min in one session, **Painless**
- **Stretch marks elimination**, (old and new, white and red up to 80%)
- **Full body anti aging** (can be combined with organic silicon)
- **Treat acne in 4 sessions**, Herpes, Vitiligo and Psoriasis
- **Prevention of hair loss and growth activation** with organic silicon or centella asiatica
- **Skin tightening** with organic silicon or vitamin C
- **Evens skin tone** and removes most aging spots
- **Chemical peel** side effects reduction (Redness, faster healing...)
- **Healing** (varicose veins, ulcers, epithelitis, dermabrasion, burns, surgery wounds)
- **Skin tightening** after radiofrequency (better elimination of glycerol)
- **Vascular lesions treatment**, Telangiectasias treatment
- **Reduces pain** (Disturbance of the nociceptive transfer along C fibers)
- **Stress management** and relaxation (nervous plexus and head illumination)

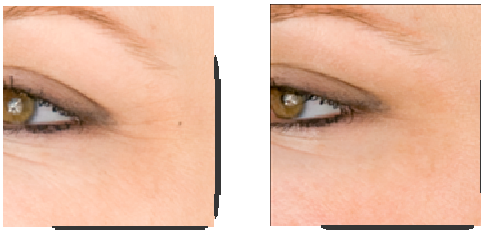
Acute psoriasis



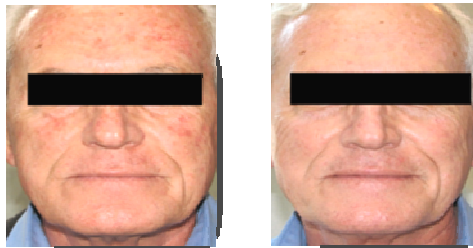
Severe acne & scar treatment



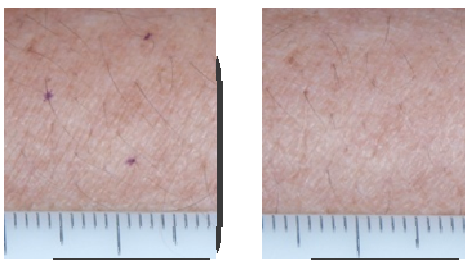
Wrinkle reduction



PDT



Evens aging skin tone



High quality scar healing



Stretch Marks



WHY TO CHOOSE TRIWINGS EXPERT



Triwings Expert is a Medical Device conceived for the best available result for the practitioner and for the patient.

Triwings Expert is manufactured with an aeronautical quality, with all its parts removable and changeable.

All the parts are made of painted metal and of a high quality resin for a long term use without the alteration of the quality of paintings and materials; and of all the components.

Triwings Expert is designed with more than 12 technical norms, ensuring safety for electric , electromagnetic and photonic parts.

Triwings Expert ergonomics is coming from our knowledge and 35 years of expertise in the field of lasers and leds devices.

Triwings Expert can treat the patient lying down, standing up or seated for the best comfort of both doctor and patient.

Triwings Expert is one of the only devices to come with the CE medical marking, compulsory for the european laws, and for the insurances companies.

Triwings Expert is proud to claim that its expected lifetime is up to 50 000 hours, thanks to the patented heat removal system; ensuring an heavy daily use along with long term operation.

Triwings Expert, to enhance the comfort of the practitioner, has developed a new digital keyboard to manage all the parameters of the patient file, of the treatments charts, of the statistics.

TECHNICAL DATAS

- Roll up menu, multi languages
- Available Access code, multi users codes
- Fluence programming from 1 to 99j/cm²; Power in 3 steps, and Power density up to 145 mW/cm²
- Programming mode per colour: continuous, pulsed
- Choice of 1 to 4 colours : Violet , Blue , IR, Yellow, Red,
- Wavelengths : 415nm, 470nm, 590nm, 630 nm, 850nm...
- Panels : 3 panels of 120 x 260 mm, 160x1 watt LEDs / panel

- Electric supply from 90 to 250 V, 50/60 Hz, 600W
- Overall Size : 185 x 50 x 40 Weight: 45 kgs

- Warranty : 2 years parts and labor in plant
- **Certification CE1014, ISO 13485, ISO9001**

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APPLICATION SUPPORT

Ask for our list of scientific publications .
When ordered we provide a full list of ready to use protocols and full training sessions

FINANCE

Leasing solutions are available on request in France and EEC countries

TRAINING

Regular training sessions organized in our centres of excellence

TECHNICAL BREAKTHROUGH



Protocols Memory Screen



Treatment Screen



Removable keyboard

Heat removal Patented System of each high power led for long term operation

Exclusive Distributor