



THE REPAIRING ENERGY OF PHOTONS



MEDICINE



Since its creation, Swiss Bio Inov has displayed its competence in the domains of design and manufacture of all types of lasers and electromagnetic spectrum sources.

Swiss Bio Inov, Swiss designer of medical lasers, develops, designs and distributes medical devices for Photon treatment using Bio Photonic modulation, which, with its healing, anti-inflammatory and analgesic actions, helps the practitioner with numerous pathologies.



Over the years, the company has reinvested a large part of its revenue into R&D and has oriented itself in the development of a device using the new medical applications of Athermotherapy®: “LLLT” (Low Level Light Therapy).

The ATP38® concept is the result of ten years of study and innovation.

Thanks to its founder's knowledge of the impact of Bio Photonic modulation on cells, innovation and research are at the heart of Swiss Bio Inov.

By partnering with physicians, researchers and scientists, Swiss Bio Inov introduces its 4th generation of the ATP38® and is becoming the benchmark in the medical field.

Swiss Bio Inov is ISO 13485 certified and the ATP38® device is marked CE 0459.

This technology and innovation is meant for practitioners, to make excellence in patient care affordable.

Today, the ATP38® device is distributed worldwide.

Given the technological possibilities, the device is used in various domains, such as:

Médecine
générale

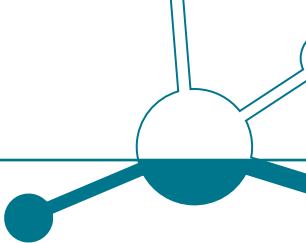
Dermatologie

Oncologie

Rhumatologie

Physiothérapie

Dentisterie



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PHOTONIC ENERGY

- 8 wave lengths
- Biostimulation
- Cellular regeneration





EXCLUSIVE CONCEPT

- Painless
- Non-invasive



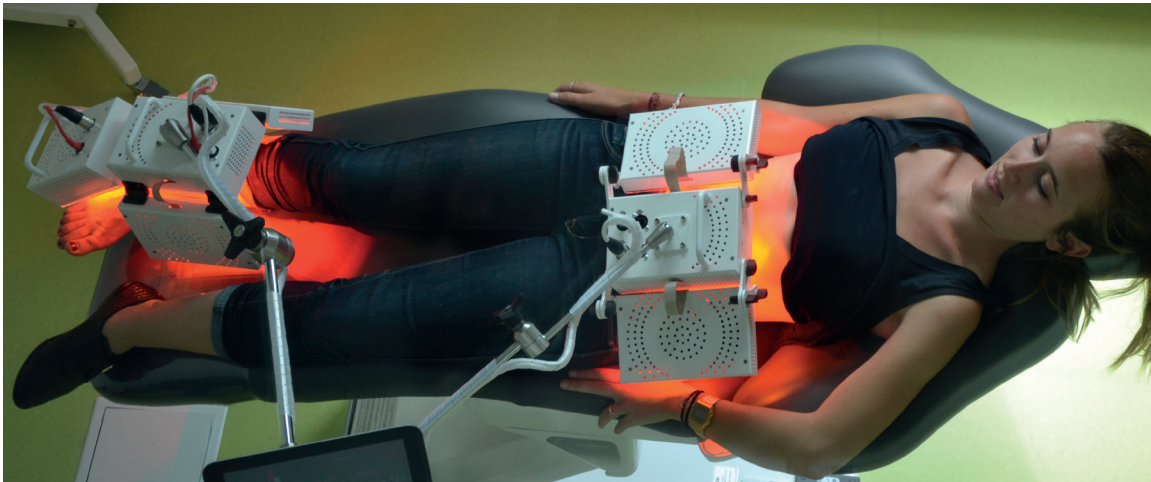
ATHERMIC TREATMENT

- Healing
- Anti-inflammatory
- Analgesic

LLLT (LOW LEVEL LIGHT THERAPY TECHNOLOGY)

The device functions according to the LLLT (Low Level Light Therapy) principle and has 8 wavelengths. They are transmitted locally and captured by weakened cells. Penetrating in depth to the heart of the cells, the wavelengths stimulate them and accelerate their regeneration processes.

ATP38® is a tool that reduces and relieves pain, improves and accelerates healing, treats inflammation, relieves muscular tension and regenerates cells without side effects.



Photons were first used by NASA to accelerate the healing of astronauts' wounds, and since then many clinical trials have proved their efficacy and safety. Thanks to these stimulatory, anti-inflammatory, analgesic and curative properties, today they are applied in all areas of medicine.

The benefits of the sun's electromagnetic spectrum have been used for many centuries in the medical field.

Polychromatic collimated semiconductors (PCSC) emit polychromatic wavelengths, whose radiation optimises cellular metabolism and produces a stimulating effect on ATP (the main energy molecule of cells and the structural unit of DNA). At the dermal level, this leads to an increase in the synthesis of collagen and elastic fibres. This process activates the reparative metabolism of cells and improves the condition of all the layers of skin, muscles, tendons and bone.

The performance of this technology allows the penetration of the dermis and the stimulation of the cell's activity by creating bio-photonic modulation.



PCSCs do not emit heat. The panels emit a combination of 8 wavelengths, from 400 to 820 nm, on the defined area.

This exposes the cells simultaneously to different wavelengths, intensities and pulsations predefined according to the type of treatment prepared based on defined protocols.

Each wave length has its own specificity in terms of area and type of action.

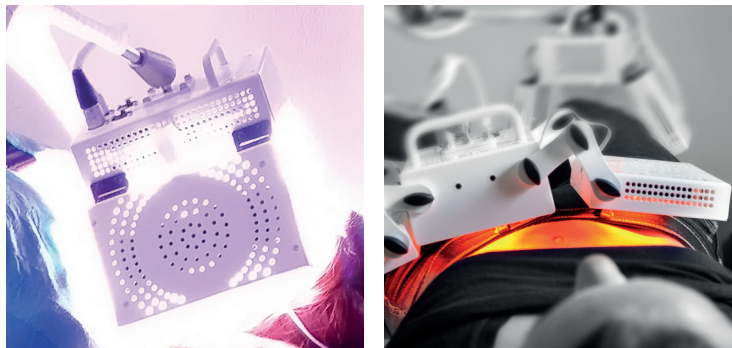
ATP (adenosine triphosphate) is synthesised by a protein called Cytochrome C Oxidase. This protein is made up of Iron and Copper, which renders it hypersensitive to Photons. Once a Photon touches it, it gives the order to make ATP and the cell regenerates. The Cytochrome C Oxidase mitochondrial complex catalyses the transfer of electrons to molecular oxygen during oxidative phosphorylation.

An exclusive, painless and non-invasive treatment.

The coming together of new technologies associated with the best techniques based on the principle of biostimulation.

ATP38® focuses on power density; i.e. a large concentration of Photons to quickly deliver the total intended dose of energy. The practitioner can configure his or her own treatment protocols.

ATP38® allows large areas to be treated with more precision by scientifically guaranteeing the dose of energy on the treated surface.



This device will help you to:

- **Diversify the care offered,**
- **Save time on each type of care,**
- **Optimise your patient care.**

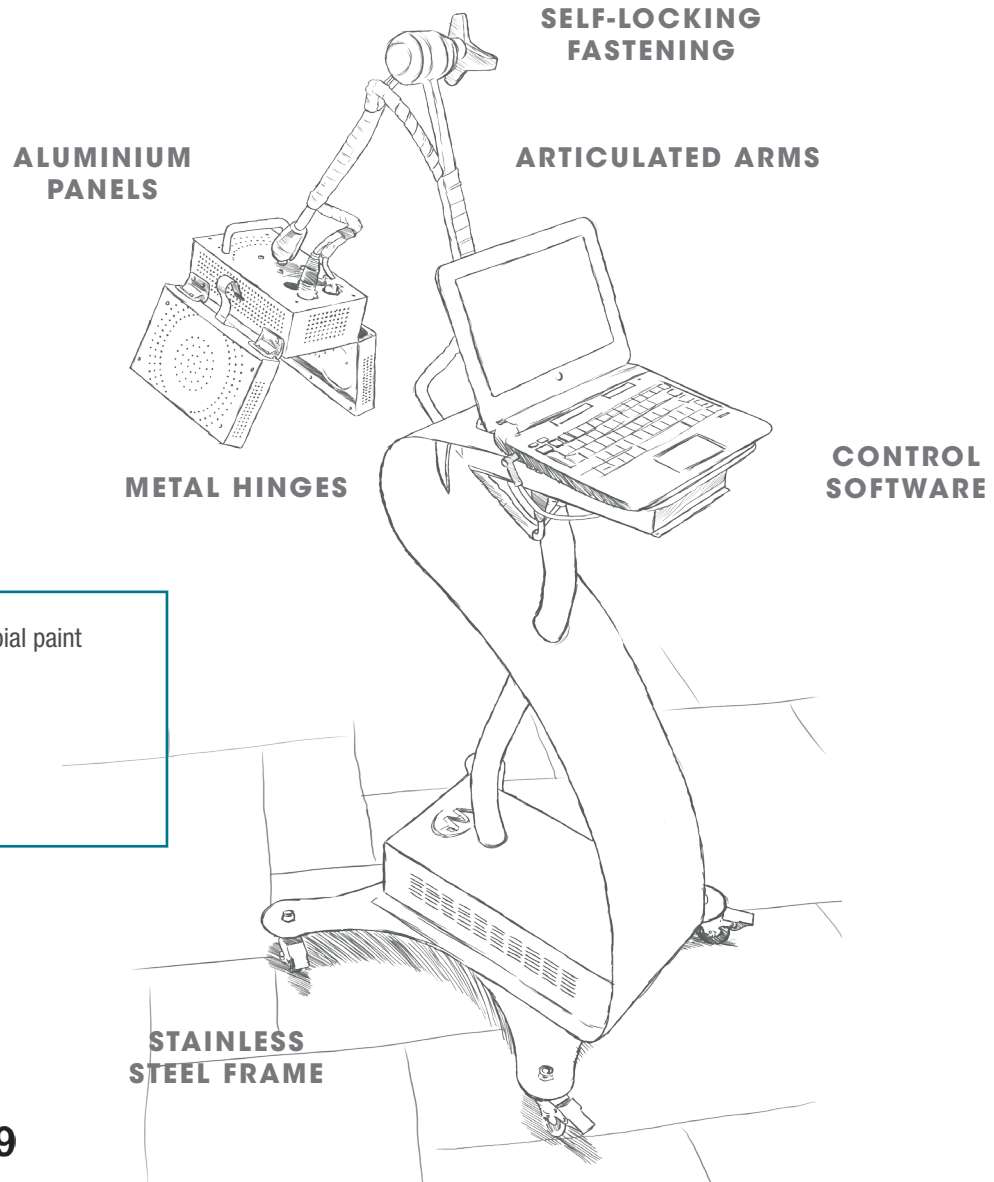
The ATP38® has beneficial effects for your patients:

- **Psychological effects** (high technology, progress),
- **Physiological effects** (reduces pain, attenuates inflammation, accelerates healing),
- **Economic effects** (different treatments offered in a single session).

We also provide support and training for concept launch.

THE ATP38® DEVICE

Swiss Bio Innov presents the 4th generation l'ATP38® dedicated to medical care.



- Medical standard anti-microbial paint
- Remote updates
- On-line support
- 2-year guarantee



ISO 13485

CE 0459





THE ATP38® DEVICE

OCTO-SPECTRAL TECHNOLOGY

ATP38® uses the 8 wavelengths that correspond to Cytochrome C Oxidase and Porphyrin absorption peaks.

ACCURATE

A cooling system allows temperature maintenance to ensure the accuracy of the wavelength.

QUIET

Unique in the world: no fans or similar accessories in the panels, so no dust or bacteria can accumulate in the device or its immediate environment.

ERGONOMIC

Individual control of wavelengths, frequency and duty cycle.

Programming of protocols, patient file (photos and videos), software compatible with Windows 7, 8 & 10.

Automatic updates are performed via internet.

Not dependent on operator.

SYNTHON PROCESS

Homogeneity of the impact point of the different wavelengths to ensure treatment quality.

POWER

Variable power allowing for treatments calculated in seconds. Saves time for the professional and the patient

ATHERMIC TREATMENT

Healing aid

Anti-inflammatory

Analgesic

ACTION PRINCIPLE

Photostimulation (or phototherapy) is a non-aggressive non-thermal treatment based on the use of different wavelengths corresponding to a precise scope of action. The photons penetrate the body and are absorbed by the cells.

The radiation emitted by ATP38® is characterised by the purity of its 8 wavelengths, which are adjusted to the frequency of absorption peaks of our cellular mitochondria receptors. This correspondence, analogous to 8 open windows with different depths, optimises the dose of energy actually absorbed by the cell, amplifies cell stimulation and produces a significant stimulating effect on ATP (adenosine triphosphate).

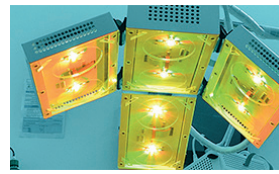
ATP38® uses wavelengths based on a dosimetry that is calibrated according to a defined protocol and limited to a certain strength, so as to biostimulate, i.e. cellular activity is boosted, which allows the cell to regenerate and repair itself.



Ultraviolet - 400 Nm



Blue - 470 Nm



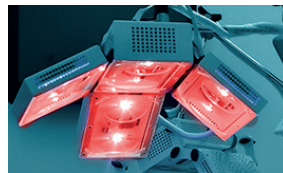
Green - 525 Nm



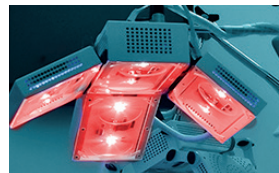
Amber - 590 Nm



Red - 620 Nm



Deep Red - 680 Nm



Deep Red - 760 Nm

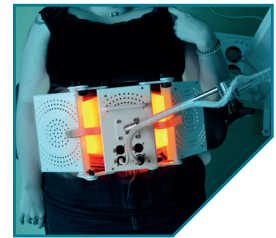
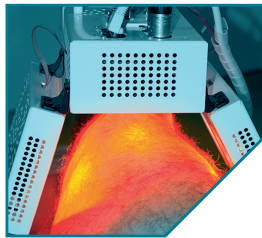
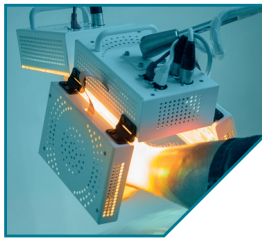


Infrared - 820 Nm

TREATMENT PLAN



CARE



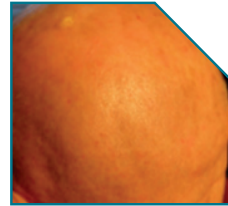
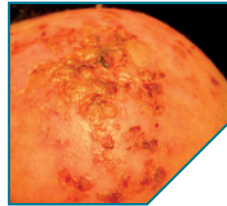
ACNE

Results in 4 sessions



BURN ON-INFECTED SCALP

Results in 5 sessions



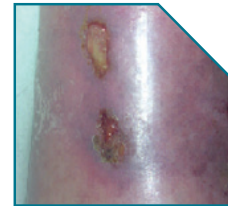
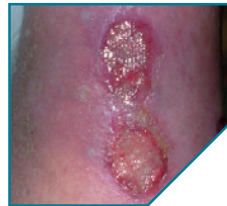
HEALING

Results in 2 sessions



ULCERS

Results in 2 sessions





EXAMPLES OF TREATMENTS

A

Acne
Algodystrophy
Alopecia
Anti-inflammatory
Arthritis
Arthrosis

B

Bone loss recovery following:
- Endo-pariodontal
- Peri-implantitis
Bone reconstruction
Burns
Bursitis

C

Carpal tunnel
Cervical arthrosis
Cervicobrachialgia
Cervicodynia
Complicated wounds
Congestion
Coxalgia

D

Dermatitis
Diabetic polyneuritis
Diabetic ulcer
Discopathy
Disk herniation

E

Eczema
Effect on vascular
Epicondylitis
Epitrochleitis
Erythrosis
Eschar

F

Fibromyalgia
Folliculitis

G

Golfer's shoulder
Gonalgia
Gonarthrosis

H

Healing
Heel pain
Herpes
Hyperacousis

J

Joint distorsion

I

Inflammatory alopecia
Inflammatory mucosal pathology

EXAMPLES OF TREATMENTS

K

Keratosis pilaris

L

Lacerative injury
Lichen disease
Lower back pain
Lower limb oedema
Lumbago
Lumbar spinal stenosis

M

Menisectomy
Muscle pain
Muscle strain
Muscular contracture

O

Osteo-articular inflammation

P

Pain Polyarthritis
Post-inflammatory pigmentation
Postoperative preparation
Post-traumatic ankle inflammation
Potentialisation of active ingredients
Preoperative preparation
Psoriasis
Pubalgia

R

Raynaud's syndrome and disease
Repetitive strain
Root arthrosis
Rosacea

S

Scapulohumeral periarthritis
Sciatica
Sequelae of chemotherapy (mucositis)
Sequelae of radiotherapy (mucositis)
Sequelae of treatments (fractional laser)
Severe ligamentitis
SHP tendonitis
Sports injuries
Sprain

T

Tinnitus
TMJ
Torticollis
Total knee prosthesis

V

Varicose ulcer

Z

Zoster (prevention)



 For more information, contact us:

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