

Eliminate Pain and Accelerate Healing

 **BIOFLEX**



Take Control

+7,000

Over 7,000 scientific papers and 1,200 clinical trials have proven Laser Therapy to be safe and highly effective in the treatment of:

- + Arthritis
- + Sports injuries
- + Sprains
- + Nerve compression
- + Strains
- + Spinal disorders
- + Tendinopathies

Look around. It seems that pain and inflammation are a constant part of our active lives. Medications often mask the pain and have unwanted side effects and can even slow the healing process. Surgery and injections should be the last resort for your patients and have potentially more severe side effects.

Learn About it

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About Laser Therapy

Laser Therapy is sometimes referred to as Cold Laser or Low Level Laser Therapy (LLLT). The most common term in clinical research now used is Photobiomodulation Therapy (PBMT).

No matter what you call it, Laser Therapy has been successfully used by Medical Doctors, Chiropractors, Physiotherapists, Massage Therapists, and other allied health professionals globally to accelerate healing and decrease pain from injuries and many inflammatory diseases like osteoarthritis, tendonitis and neuralgia.

How does laser work?

When the Mitochondria of human cells are treated with specific wavelengths of red and near infrared light, photoacceptors within the Mitochondria accept the photons as the first stage in a photochemical reaction sequence. This conversion of photons to biochemical energy have a positive effect on cellular metabolism resulting in dramatic recovery in injured tissues.

This precise light stimulation increases local circulation and reduces cellular oxidative stress while increasing ATP and metabolism. Repeated treatment results in accelerated repair and regeneration of tissues and resolution of common patient symptoms including:

- + Relieving muscle and joint pain
- + Reducing swelling and inflammation
- + Promoting muscle relaxation
- + Relieving stiffness
- + Decreasing scar tissue and adhesions
- + Increasing range of motion
- + Improving strength

[Watch video explanation](#)

When evaluating the best therapeutic Laser Therapy Device for your needs, one of the most common questions is:

How intense or powerful should your laser be?

Most lasers approved for clinical use are either Class 3b or Class 4. All BIOFLEX Systems use Class 3b lasers, since they provide optimal dosages of light energy without overstimulating and inhibiting or understimulating and providing no Photobiomodulation effect. This is often referred to as the biphasic dose response and explains why precise dosaging is critical in achieving optimal healing pain relief effects.

Class 4 lasers are hot lasers and can never be held on tissue directly. They must be moved to avoid unwanted thermal effects. As a result, up to 85% of light reflects off skin and less light is actually absorbed. This is why ALL photobiomodulation or laser therapy research uses Class 3b or LEDs to achieve positive effects. Even the World and North American Associations of Laser Therapy only recommend Class 3b or lower power sources of light to achieve Photobiomodulation.



About BIOFLEX

Founded in 1989 by vascular surgeon Dr. Fred Kahn, BIOFLEX has been a pioneer in clinical laser application, and a world leader in laser research and advocacy. A global team of engineers and clinicians develop and use Laser Therapy daily in their rehabilitation center in Toronto, Canada.

Over 60 thousand treatments a year translate into the most innovative medical protocols and laser devices in the world. Saving limbs, avoiding surgeries and improving the lifestyle of thousands of patients.

[See more about Dr. Fred Kahn](#)



BIOFLEX's obsession with precision ensures every dosage and device harnesses the healing power of light to alleviate the pain and negative impact of many commonly treated injuries and conditions, bringing the **best in class Laser Therapy solutions worldwide.**

+30 YEARS

Over 30 years of experience in each device

The BIOFLEX team ensures that dosage is exact and accurate for every system we manufacture and send around the world. In our professional lines, our protocols can be customized so practitioners can adjust based on progress and experience.

“Thanks to BIOFLEX, I was back playing professional basketball after 12 years of retirement.”

[See interview](#)

Jerome Williams
Toronto Raptors



“Since initiating treatment with the BIOFLEX system, I continue to experience outstanding results in being able to get our athletes back to practice and the game. I have no hesitations to give this unit my full endorsement.”

Chuck Mooney
Head Trainer, Toronto Raptors

“We have had great success treating the “itis” problems. Both patellar and plantar fasciitis are responding to treatment very quickly and we couldn’t be more pleased.”

Ron Culp
Former Head Trainer, Miami Heat



Peter Herbert, MD
England

My patient had a compression fracture on his thoracic spine, on chronic pain for several years, on opioids... He felt significant pain relief after one or two sessions and by the fifth session, he was completely off opioids.

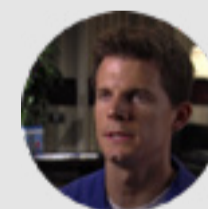
[See interview](#)



Dr. Michael Weber
Germany

My patient had debilitating tennis elbow and couldn’t work or even hold a cup of coffee. After one session, she worked the whole day and had pain relief for a long, long time.

[See interview](#)



Dr James Donovan
Canada

When other doctors tell older, active individuals ‘you have to stop running,’ we can keep them going back to participating in their sport.

[See interview](#)



The innovative two step
approach makes all the
difference

Step 1: The BIOFLEX Flexible Array

Step 2: The BIOFLEX Laser Probes



STEP 1: The BIOFLEX Flexible Array

Only BIOFLEX's patented treatment arrays contour to the shape of the body and provide a larger treatment area and greater energy density for faster healing and shorter treatments.

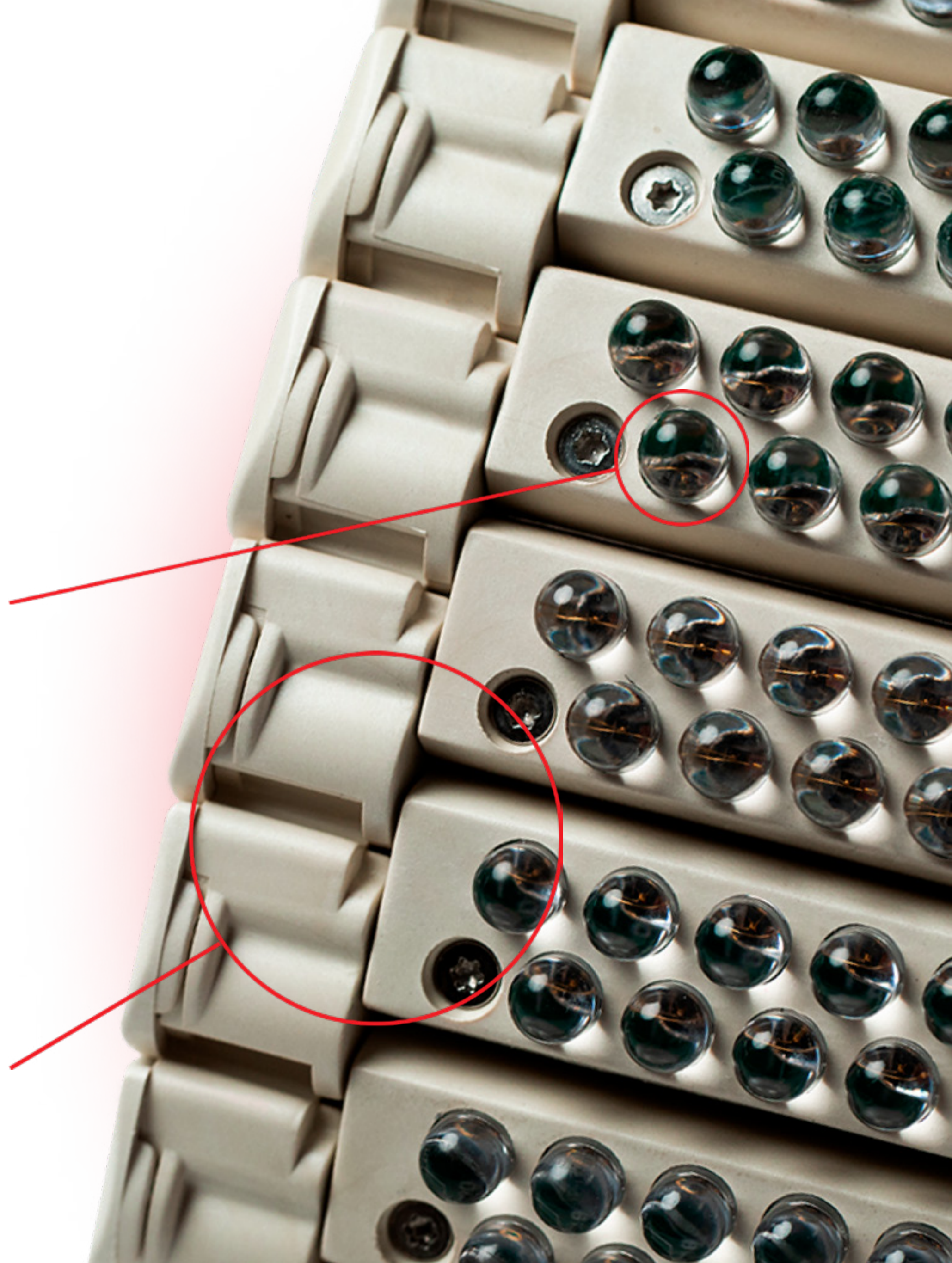


Each one of our bicolor and superluminous diodes delivers both red and infrared light sequentially without any need for adjustment.

- + 50% faster treatment
- + 30% less number of placements
- + Hands-free session allowing you to manage multiple patients at the same time
- + Optimizing systemic and anti-inflammatory effects by treating a large volume of tissue and blood



The only array that is flexible in two directions to contour around different body parts and ensuring optimal skin contact to deliver light deeper to the area that needs.



STEP 2: The BIOFLEX Laser Probes

The infrared laser probe (825 nm) is included with all BIOFLEX Professional Systems to provide deeper and more focused light treatments. With close to 200 mW of power, this probe can drive light to the deepest regions of the body. Our laser probes are the only one in the market that are completely customizable for power, pulses (10-10000 Hz) and duty cycle (10-90%). This is critical as your target tissue type, depth and condition being treated will vary from patient to patient so the ability to adjust will always result better clinical results and a happier patient.



Extremely safe, as it can only be activated while in direct contact with the skin to prevent ocular damage

Ergonomic design allows for extended use without causing hand pain or fatigue.



The red laser probe (660 nm) is an optional component that can be added to all BIOFLEX systems. With close to 100 mW of power, this probe is ideal to inhibit pain transmission and provide immediate pain relief for your patient. Especially effective for acute and chronic pain patients, the red laser probe is also very beneficial for those small joints of the hands and feet as well as superficial tissues like certain bursae and tendons.





Probes are not available on personal units.

**BIOFLEX Laser Therapy
product lines are available for
Personal and Professional Use**



BIOFLEX Personal

Laser Therapy devices to use at home or while traveling

-  Portable and compact, perfect for continuing treatment while at home, work or on vacation
-  Ideal for athletes and active families, those with arthritis, chronic pain, repetitive stress
-  An alternative to pain and anti-inflammatory medication that only masks underlying causes
-  Ideal while at work or resting at home



Intuitive handheld touchscreen with pre-programmed treatments for all anatomical regions.

- + Includes our innovative protocols for four stages of progression
- + Easy to use controls include pause and stop for user safety

- + Ergonomic and sturdy design with big, easy to use buttons and high contrast colors
- + Visual and audio cues indicate when to change the array

Includes online webinars to make the most out of every feature.

[Check all webinars](#)



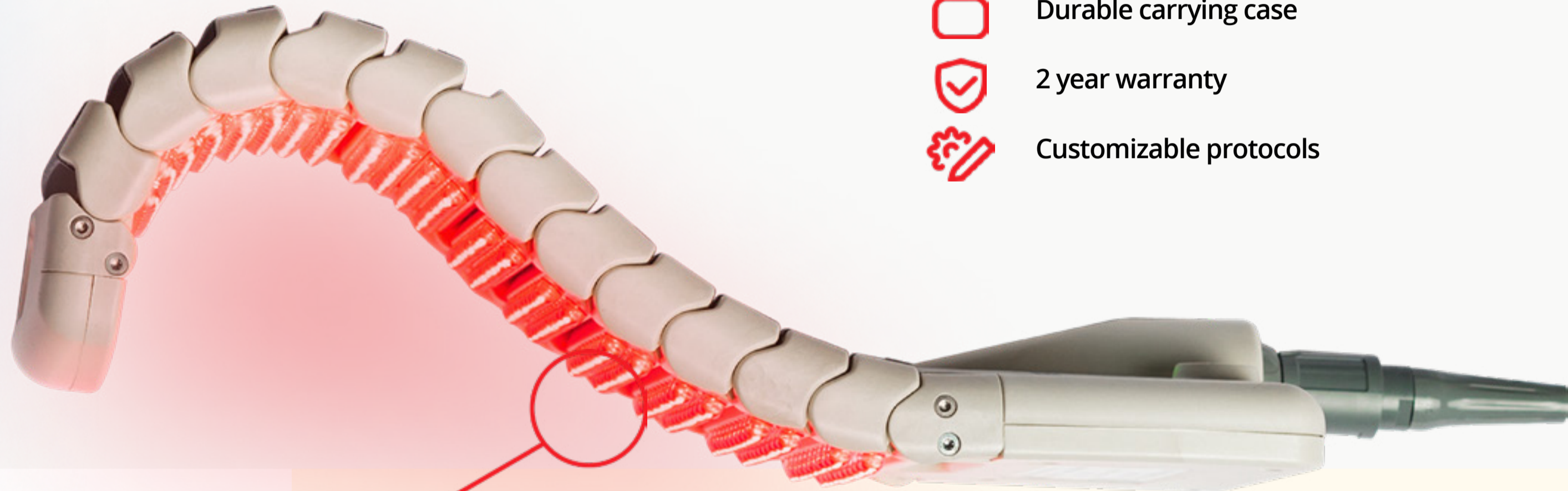
**BIOFLEX Professional
Line includes systems for
all clinicians**

BIOFLEX Therapist

Our most portable professional system

Includes:

-  Handheld device
-  One flexible array of your choice
-  One laser probe of your choice
-  Set of safety glasses
-  Durable carrying case
-  2 year warranty
-  Customizable protocols



The **securing strap** keeps the array in place, freeing the therapist to treat other patients.

A treatment area of approximately **100 cm² of surface area** reduces the number of placements required by treatment per 50%.

A **single port** allows treating one patient at a time, alternating between the array or the laser probe.



Includes the BioCare Program, providing unlimited technical and clinical assistance.

Take control

An easy to follow menu is organized by body part, disease or medical condition. The click of a button starts the program at the correct duration and intensity with clear visual and audible cues indicating when to switch positions or tools.



BIOFLEX DualPort







Ideal for the starting practice or clinic

It can **operate two arrays or laser** probes simultaneously, allowing you to treat multiple patients or multiple areas in the same patient.

Manual stop button for increased safety.



Includes:

-  Laptop computer
-  BIOFLEX Practitioner+ Software
-  One flexible array of your choice
-  One laser probe of your choice
-  Two sets of safety glasses
-  Durable carrying case



Includes the BioCare Program, providing unlimited technical and clinical assistance.

State of the art patient database allows monitoring and tracking patient progress on two screens simultaneously.

Includes the extensive library of protocols that we use successfully in our clinic and allows users to customize and save treatments in the menu.

BIOFLEX MultiPort

The most advanced professional laser therapy system, ideal for high volume practices






Touch screen monitor with state of the art patient database allows monitoring and tracking patient progress on two screens simultaneously.

It can highlight DUO+ treatment arrays or laser probes simultaneously.

It features an intuitive touchscreen that continuously monitors all four treatments throughout the entire treatment.

Manual stop button for increased safety.

Includes:

-  Touch screen monitor
-  Two flexible arrays of your choice
-  Two laser probes of your choice
-  Two sets of safety glasses
-  BIOFLEX Practitioner+ Software



Includes the BioCare Program, providing unlimited technical and clinical assistance.

State of the art patient database allows monitoring and tracking patient progress on two screens simultaneously.

Includes the extensive library of protocols that we use successfully in our clinic, as well as allowing users to customize and save treatments in the menu.

Accessories

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BIOFLEX Accessories



BIOFLEX Safety Goggles



BIOFLEX Personal Safety Glasses



BIOFLEX Safety Glasses



BIOFLEX Weight Set



BIOFLEX Treatment Array Strap



BIOFLEX MCU Power Cable



BIOFLEX DUO+ Cable



BIOFLEX DUO+ Cart Bracket



BIOFLEX Serial USB Cable



BIOFLEX Power Supply & Cable



Dr. Fred Kahn Book Set

Technical Details

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Comparing BIOFLEX Arrays

For Personal Use



P120



P180

For Professional Use



DUO FLEX 180



DUO +180



DUO +240

Number of Diodes	120	176	176	180	240
Effective Surface Area	109 cm ² / 16.9 in ²	163 cm ² / 25.26 in ²	163 cm ² / 25.3 in ²	75 cm ² / 11.6 in ²	100 cm ² / 15.5 in ²
Total Optical Power					
Red	709 mW	1165 mW	1165 mW	750 mW	1000 mW
Near Infrared	1420 mW	2331 mW	2331 mW	1500 mW	2000 mW
Power Density					
Red	6.5 mW/cm ²	7.15 mW/cm ²	10 mW/cm ²	10 mW/cm ²	10 mW/cm ²
Infrared	13 mW/cm ²	14.3 mW/cm ²	20 mW/cm ²	20 mW/cm ²	20 mW/cm ²
Wavelength					
Red	660 nm	660 nm	660 nm	660 nm	660 nm
Near Infrared	840 nm	840 nm	840 nm	840 nm	840 nm



All BIOFLEX arrays use wavelengths of 660 nm and 840 nm, repeatedly proven as the optimal parameters for photobiomodulation and cellular tissue healing.

The ideal size depends on the anatomical area and treatment needs. Larger arrays cover greater surface areas while smaller arrays can contour better around smaller and bony anatomical regions.

We are looking for distribution partners in your market.
For questions or to place an order please contact us.

Product Approvals

BIOFLEX® Systems are cleared through the FDA to be marketed in the USA

Compliance with the requirements to bear UL (cULus) Safety Classification Mark

CE mark, the highest of the EU's safety standards (April 21, 2004)

BIOFLEX® Systems are manufactured under the ISO 13485 quality system, which meets the requirements of Health Canada and the EEU (CE Mark)

BIOFLEX® Systems are approved for marketing in Canada under a Health Canada Medical Device License

Meditech holds patents worldwide, including but not limited to North America, Europe and Australia

Take Control.



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