



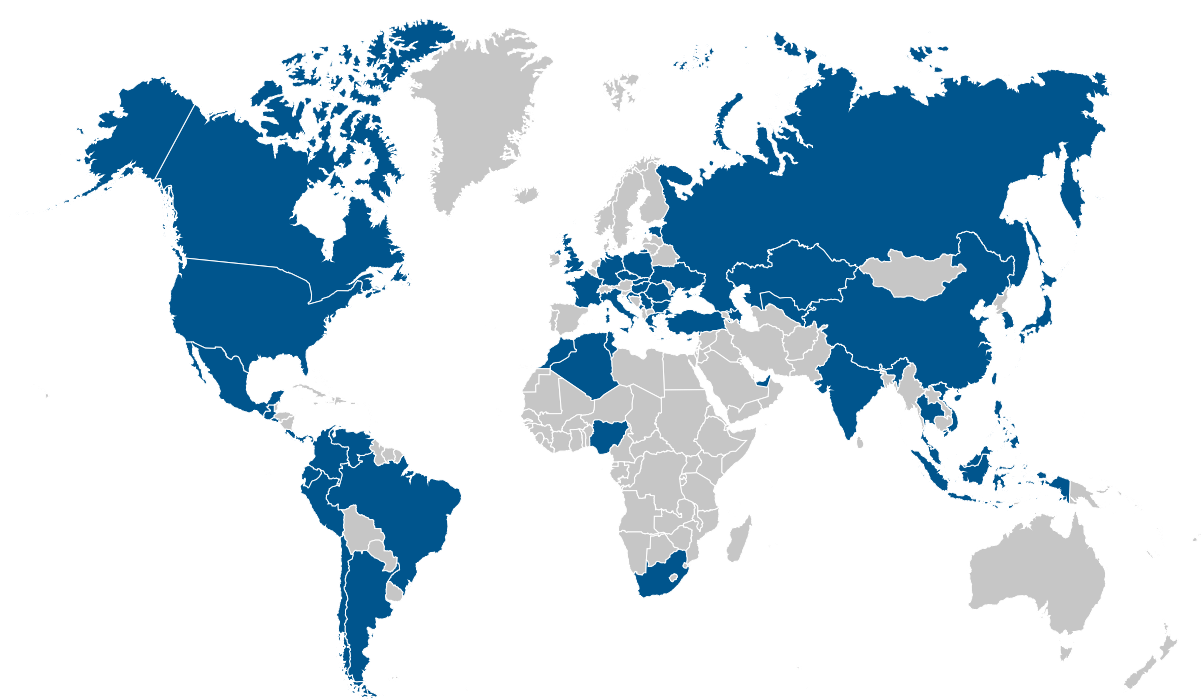
ORTHOCANADA

COMPLETE
PHYSIOTHERAPY
SOLUTIONS



ABOUT COMPANY

BTL is a medical device manufacturer with state-of-the-art products across 3 medical areas: physiotherapy, cardiology and aesthetics. Patient's needs are at the very heart of every decision we make and we constantly grow to meet their needs. With direct offices in more than 54 countries covering 5 continents we help patients all across the world.



Direct offices in more than **54 COUNTRIES** covering **5 CONTINENTS**.



State-of-the-art products across **3 MEDICAL AREAS**: cardiology, physiotherapy, and aesthetics.



Over **1500 EMPLOYEES**, **250 R&D ENGINEERS** and growing.



EUROPE-BASED manufacturing facilities with over **120 000 sq ft**.



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COMPLETE PHYSIOTHERAPY SOLUTIONS

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4 TECHNOLOGIES

4 UNIQUE THERAPY OPTIONS



RADIAL SHOCKWAVE THERAPY

Healing start-up and neovascularization in chronic tendinopathies



SUPER INDUCTIVE SYSTEM

Joint mobilization and handsfree pain management



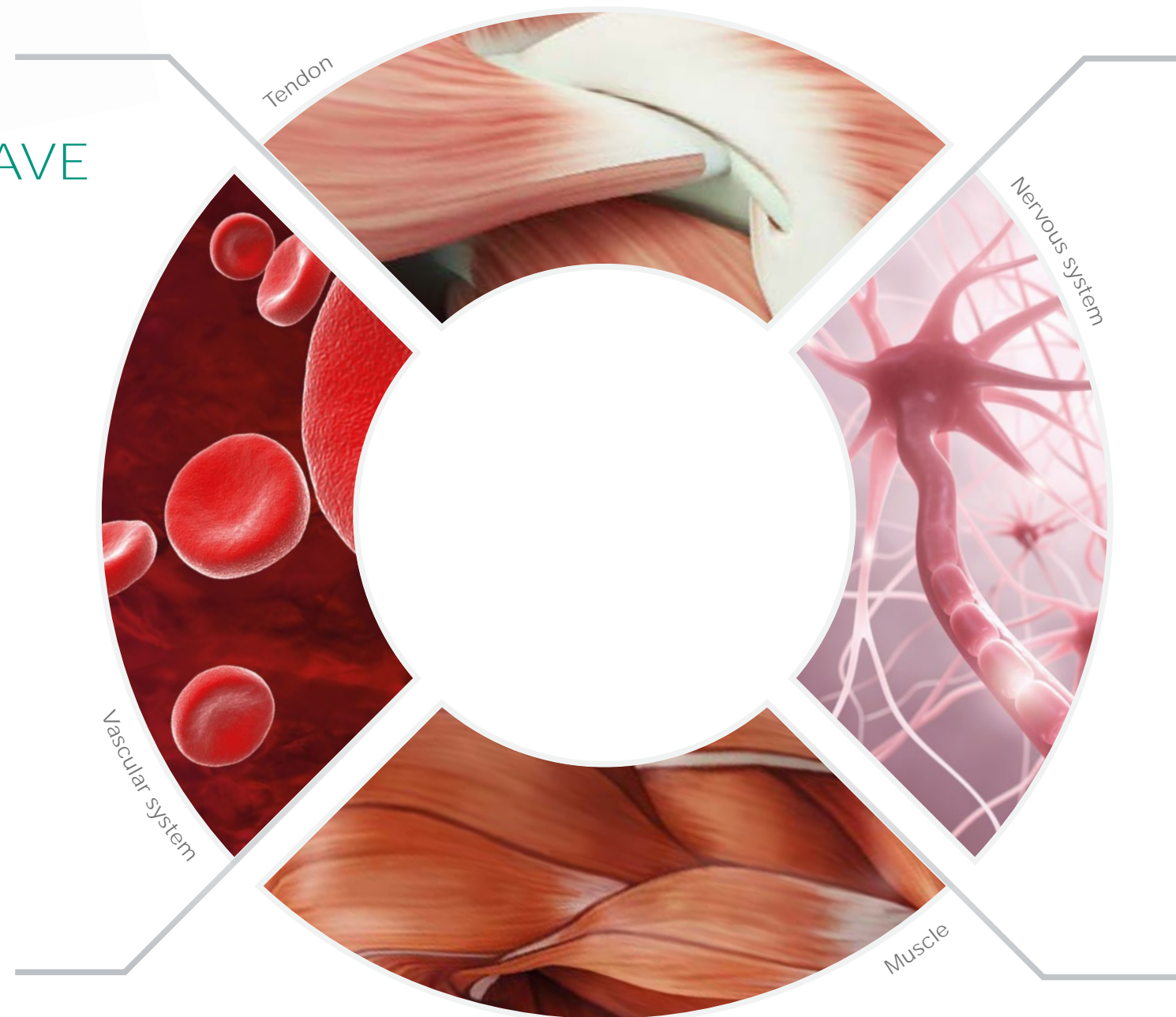
HIGH INTENSITY LASER

Laser biostimulation for acute injuries and painful conditions



TARGETED RADIOFREQUENCY THERAPY

Thermally induced muscle relaxation and regeneration



DIFFERENT CLIENTS DIFFERENT APPROACHES

CHOOSE THE RIGHT MODALITY



SHOCKWAVE THERAPY

- Chronic tendinopathy
- Calcification in superficial localization
- Chronic persisting pain



HIGH INTENSITY LASER

- Acute injuries
- Acute pain
- Sports injury healing



TARGETED RADIOFREQUENCY THERAPY

- Spasm relaxation
- Soft tissue pain
- Sports regeneration



SUPER INDUCTIVE SYSTEM

- Joint mobilization
- Handsfree pain management
- Muscle strengthening

USE THERAPEUTIC SYNERGY



MAXIMIZE
THERAPY EFFICIENCY



PROMOTE
BENEFICIAL EFFECTS



REDUCE NUMBER
OF THERAPIES

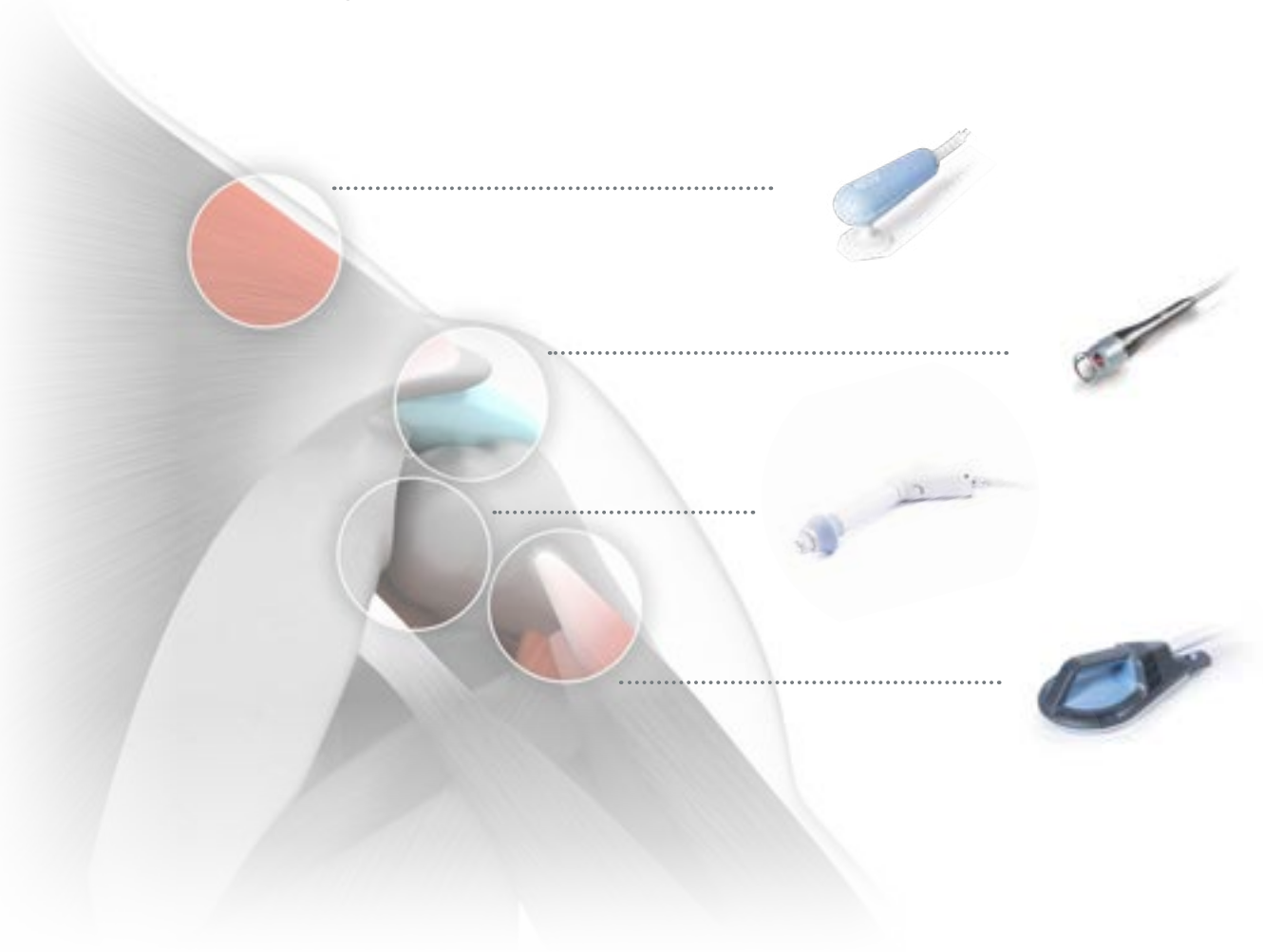


SHORTEN
THERAPY TIME

CHOOSE THE RIGHT MODALITY

ONE SYMPTOM VARIOUS THERAPY OPTIONS

Select the right therapy depending on the specific etiology of your patient's clinical syndrome.



PAINFUL SHOULDER

High Intensity Laser:

- Bursitis
- Reduce inflammation and promote healing

TR-Therapy:

- Muscle spasm and trigger points
- Relax hypertonic muscles, increase local blood flow

Super Inductive System:

- Frozen shoulder
- Restore joint mobility, activate atrophic muscles

Shockwave therapy:

- Calcification
- Remove calcific deposit, restore range of motion

TREAT PROBLEM IN ANY OF ITS STAGES

Choose therapy based on the stage of your client's clinical condition when they enter your office.



ACHILLES TENDON DISTENSION

High Intensity Laser:

- Acute injury
- Manage pain and biostimulate to accelerate healing

Super Inductive System & TR-Therapy:

- Subacute/subchronic stage
- Mobilize joints, suppress pain, activate muscles, remove edema

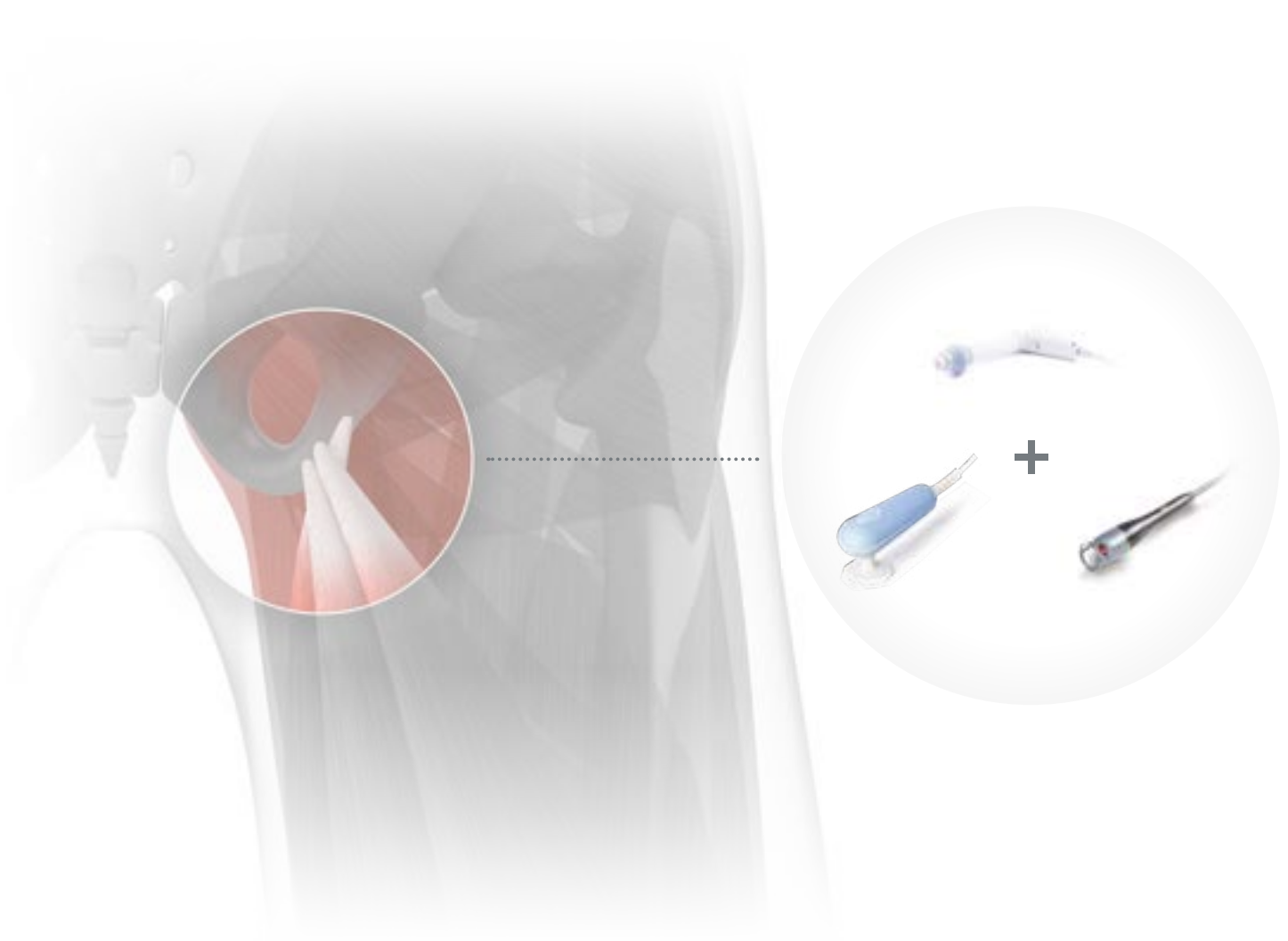
Shockwave therapy:

- Non-progressing chronic stage
- Restart the healing process and manage persisting pain

USE THERAPEUTIC SYNERGY

3 THERAPIES DIFFERENT MECHANISMS

Promote beneficial effects and reduce therapy time by using effects of multiple therapies in synergy.



PAIN IN HAMSTRING ORIGINS

1st TR-Therapy:

- Relax hypertonic muscles
- Increase blood perfusion of the area

2nd Shockwave therapy:

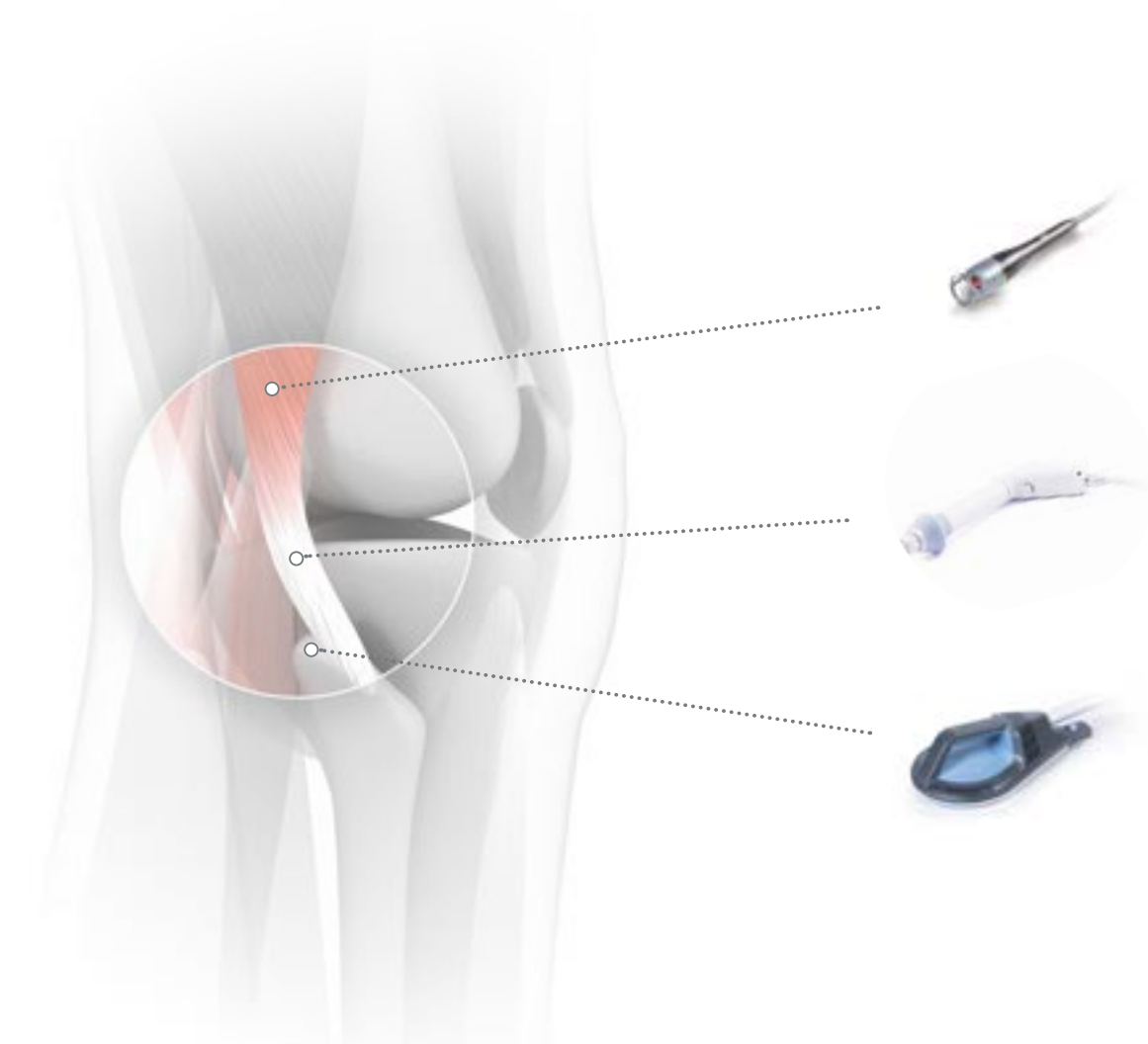
- Reduce pain
- Increase collagen production

3rd High Intensity Laser:

- Biostimulate
- Reduce/prevent inflammation

1 PROBLEM 3 REASONS

Maximize therapy efficiency by choosing the right modality for each problem related to one clinical condition.



OVERUSE INJURY OF M. BICEPS FEMORIS

High Intensity Laser:

- Biostimulate muscle rupture

Shockwave therapy:

- Heal biceps tendinosis

Super Inductive System:

- Release blockage of caput fibulae
- Relax adjacent muscles

SHOCKWAVE THERAPY

FAST PAIN RELIEF
AND MOBILITY
RESTORATION



SHOCKWAVE THERAPY

FAST AND PERMANENT RELIEF FROM PAIN

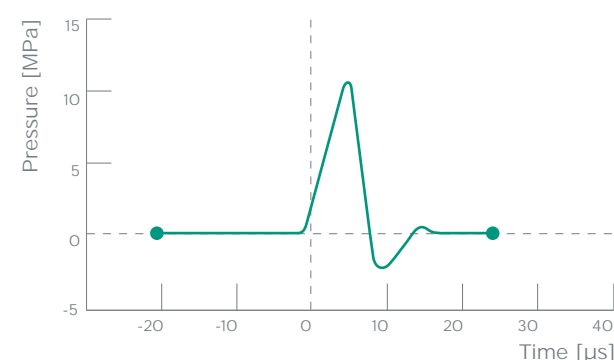
- Unique, non-invasive solution for musculoskeletal pain
- Just three to four treatments needed at weekly intervals
- A therapy session only takes about 10 minutes

FIELDS OF APPLICATION

- Orthopedics
- Rehabilitation
- Sports medicine

MECHANISM OF ACTION

A shockwave is an acoustic wave which carries high energy to painful spots and musculoskeletal tissues with subacute, subchronic and chronic conditions. The energy promotes regenerating and reparative processes of the tendons and other soft tissues.



Shockwaves are characterized by jump change in pressure, high amplitude and non-periodicity.



The kinetic energy of the projectile, created by compressed air, is transferred to the transmitter at the end of the applicator.

ANALGESIC EFFECT

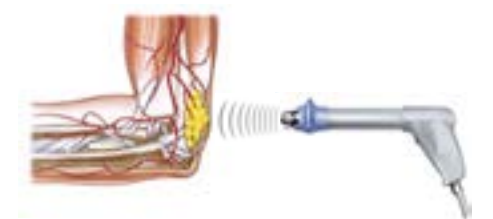
DECREASE OF MUSCLE TENSION, INHIBITION OF SPASMS

Hyperaemia is one of the basic effects of Shockwave therapy in the body. It provides better energy supply to hypertonic muscles and their ligamentous structures. Furthermore, it causes lessening of pathological interactions between actin and myosin. This leads to significant reduction of muscle tension.



ENHANCED DISPERSION OF SUBSTANCE P

The activity of Substance P (a pain mediator and growth factor) leads to stimulation of a nociceptive fiber. It also supports development of edema and supports secretion of histamine. Reduction of substance P concentration reduces pain in the affected area and decreases the development of edema.



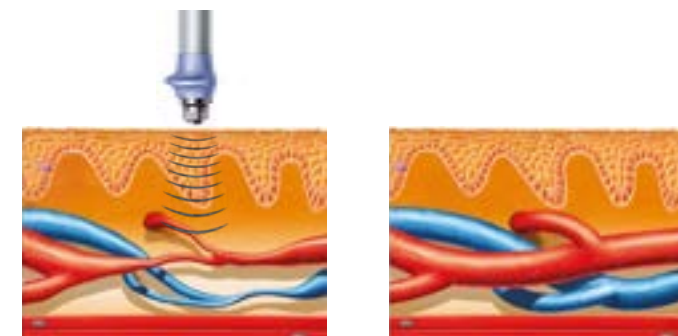
ACCELERATION OF HEALING

INCREASE OF COLLAGEN PRODUCTION

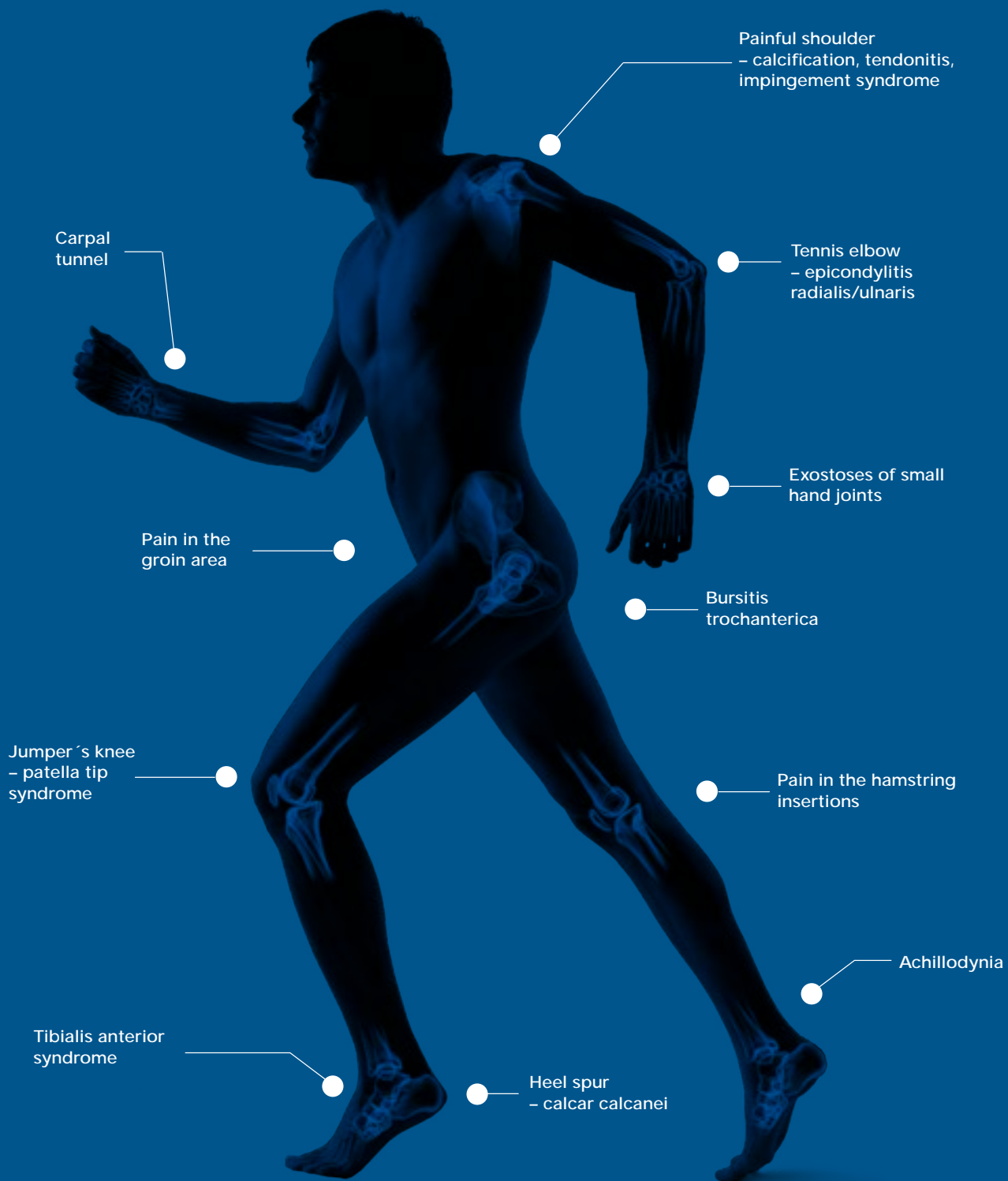
Production of a sufficient amount of collagen is a necessary precondition for the repair processes of the damaged musculoskeletal and ligamentous structures.

IMPROVED METABOLISM AND MICROCIRCULATION

The Shockwave therapy technology accelerates removal of nociceptive metabolites, increases oxygenation and supplies damaged tissue with source of energy. It supports removal of histamine, lactic acid and other irritating agents.



MOST COMMON INDICATIONS



SHOCKWAVE THERAPY TRANSMITTERS

STANDARD TRANSMITTERS

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
15 MM FOCUSED TRANSMITTER		Steel focused transmitter	Targeted applications
9 MM MULTIFOCUSED TRANSMITTER		Small diameter transmitter	Acupuncture points and precise applications
15 MM MULTIFOCUSED TRANSMITTER		Steel multi-focused transmitter	For all types of applications

SPECIALIZED TRANSMITTERS

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
15 MM MULTIFOCUSED TITANIUM TRANSMITTER		50% more energy and deeper tissue penetration	All deep-located pathologies
9 MM MULTIFOCUSED TRIGGER TRANSMITTER		Special prolonged shape	Deep-lying trigger points
20 MM VIBRATING TRANSMITTER		Combination of shockwaves and vibration	Soft tissue therapy
36 MM VIBRATING TRANSMITTER		Combination of shockwaves and vibration	Soft tissue therapy of large area applications

TRANSMITTERS WITH SANITARY COVERS*

Name	MECHANISM	CHARACTERISTICS	MAIN INDICATIONS
20 MM TRANSMITTER WITH SANITARY COVER		Sanitary cover for hygienic and comfortable treatment	Sensitive areas Lower energy transfer allows higher therapy comfort
20 MM TITANIUM TRANSMITTER WITH SANITARY COVER		Up to 50% more energy and more profound penetration depth with sanitary cover	Sensitive areas Titanium maximizes shockwave energy transfer

BTL-5000 SWT POWER

THE MOST POWERFUL SHOCKWAVE

BTL-5000 SWT POWER

- High pressure up to 5 bars
- High frequency up to 22 Hz

FEATURES & BENEFITS

- Touch operation - intuitive operation with colour touch screen (8.4")
- Easy-to-use by any therapist – therapeutic encyclopaedia with colour anatomical images, user-defined protocols for experienced users
- Ergonomic applicator for comfortable use – ergonomics designed by users
- Burst mode – for extra-sensitive patients
- Modular system – up to 4 therapies in a single device



Touch operation
Intuitive operation
with colour touch
screen (8.4")



**Ergonomic applicator
for comfortable use**
Ergonomics designed by users



BTL-6000 SWT TOPLINE

THE STRONGEST PORTABLE SHOCKWAVE

BTL-6000 SWT TOPLINE POWER

- Pressure up to 5 bars
- Frequency up to 20 Hz

FEATURES & BENEFITS

- Touch operation – intuitive operation with colour touch screen (5.7")
- Compact and portable – only 7 kg including the built-in compressor
- Easy-to-use by any therapist – therapeutic encyclopaedia with colour anatomical images, user-defined protocols for experienced users
- Ergonomic applicator – ergonomics designed by users



Touch operation
Intuitive operation
with colour touch
screen (5.7")



Compact and portable
Only 7 kg including
the built-in compressor



**Ergonomic applicator
for comfortable use**
Ergonomics designed by users

BTL-6000 SWT EASY

COMPACT & EASY TO USE DEVICE

BTL-6000 SWT EASY

- Pressure up to 4 bars
- Frequency up to 15 Hz

FEATURES & BENEFITS

- User-friendly operation with LED interface, 7 preset protocols, adjustment of the parameters during the course of the therapy
- Compact and portable – only 7 kg including the built-in compressor
- Ergonomic applicator – ergonomics designed by users



Ergonomic applicator for comfortable use
Ergonomics designed by users



Compact and portable
Only 7 kg including the built-in compressor

TECHNICAL SPECIFICATIONS OF BTL-5000 & BTL-6000 SWT

Model	BTL-5000 SWT POWER	BTL-6000 SWT TOPLINE POWER	BTL-6000 SWT TOPLINE	BTL-6000 SWT EASY
Part number	P014.002	P6000.205	P6000.200	P6000.202
User interface	8.4" colour touch screen	5.7" colour touch screen	5.7" colour touch screen	LED interface
Preset protocols	27	27	27	7
User-defined protocols	•	•	•	
Max. pressure	up to 5 bars	up to 5 bars	up to 4 bars	up to 4 bars
Frequency	1-22 Hz	1-20 Hz	1-15 Hz	1-15 Hz
Mode	Single, continuous, burst, intensity gradient	Single, continuous, intensity gradient	Single, continuous, intensity gradient	Single, continuous
Intensity gradient mode	•	•	•	
EULM upgrade	•			
Dimensions	230 × 390 × 260 mm 330 × 220 × 300 mm (air compressor)		320 × 190 × 280 mm	
Weight: main unit/compressor	4.7-5.3 kg/20 kg		7 kg/-	
Mains supply	230 V AC, 50-60 Hz/ 115 V AC, 50-60 Hz		100-240 V AC, 50-60 Hz	
Standard accessories	SWT applicator with exchangeable kit Transmitters: 9, 15 mm multi-focused and 15 mm focused, 1 × exchangeable kit, trolley, gel 1000 ml		SWT applicator with exchangeable kit Transmitters: 9, 15 mm multi-focused and 15 mm focused, gel 300 ml	

Optional accessories for BTL-5000 SWT

Part number P007.011	Gel 1000 ml
Part number P014.030	SWT transportation case (big)
Part number P014.031	SWT foot pedal to start/stop the treatment
Part number P5002.009	Trolley
Part number P014.015	Exchangeable kit

Optional accessories for BTL-6000 SWT

Part number P014.015	Exchangeable kit
Part number P007.010	Gel 300 ml
Part number P6000.210	SWT transportation case (small)
Part number P2000.002	Holder for gel for the trolley
Part number P6000.211	Plastic trolley

Additional accessories for all shockwave units

Part number P014.014	15 mm focused transmitter
Part number P014.016	9 mm multifocused transmitter
Part number P014.017	15 mm multifocused transmitter
Part number P014.059	20 mm vibrating transmitter
Part number P014.052	36 mm vibrating transmitter
Part number P014.050	15 mm multifocused titanium transmitter
Part number P014.051	9 mm multifocused trigger transmitter
Part number P014.053	20 mm titanium transmitter with sanitary cover*
Part number P014.054	20 mm transmitter with sanitary cover*
Part number P014.055	set of sanitary covers 20 mm (100 pcs)*

SWT transmitters sets

Part number P014.056	Set of 2 transmitters
Part number P014.057	Set of 4 transmitters
Part number P014.058	Set of 6 transmitters*
Part number P014.060	Full set of transmitters*

A REVOLUTION
IN THERAPEUTIC
LASER TECHNOLOGY

HIGH INTENSITY
LASER



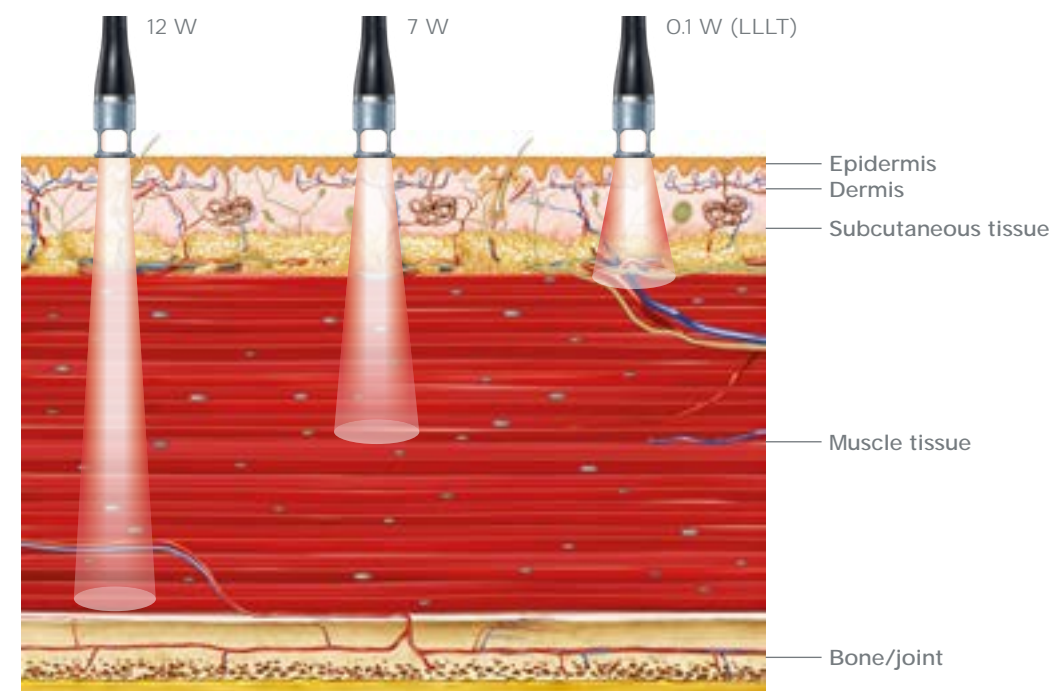
HIGH INTENSITY LASER

FAST & EFFECTIVE THERAPY

- New generation of technology in laser therapy
- Deeper penetration
- Superior clinical outcome
- Maximum safety

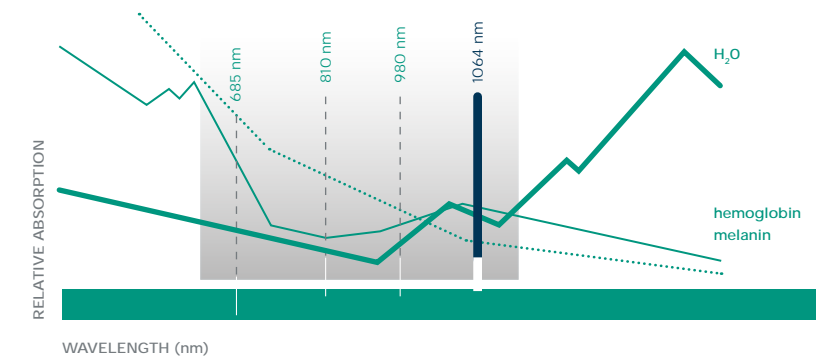
ADVANCED TECHNOLOGY

- Deep tissue penetration with power up to 12 W in continuous mode
- Max. power more than 50 times higher than in LLLT (cold laser therapy)
- Optimum therapeutic effect using 810/980 nm or 1064 nm wavelengths
- Pulsed mode for immediate elimination of pain
- Effective and powerful therapy for wide range of clinical indications



HIGH PENETRATION DEPTH

The maximum power of 12 W allows extremely high penetration depth of this laser light. The optimum ratio of absorption and penetration depth guarantees efficient stimulation of tissue and pain receptors. The High Intensity Laser therapy can be easily targeted into any painful spot of the body.



MEDICAL EFFECTS

BIOSTIMULATION MECHANISM

Biostimulation means ability to “bio-stimulate” tissue growth and repair at cellular level. Laser light, due to its monochromacy and coherency, can be precisely adjusted and its behaviour finely predefined. 810/980 nm and 1064 nm wavelengths are specific for their high action on biological chromophores, allowing maximum therapeutic effect without irradiating unwanted areas.

IMMEDIATE AND LONG LASTING PAIN RELIEF

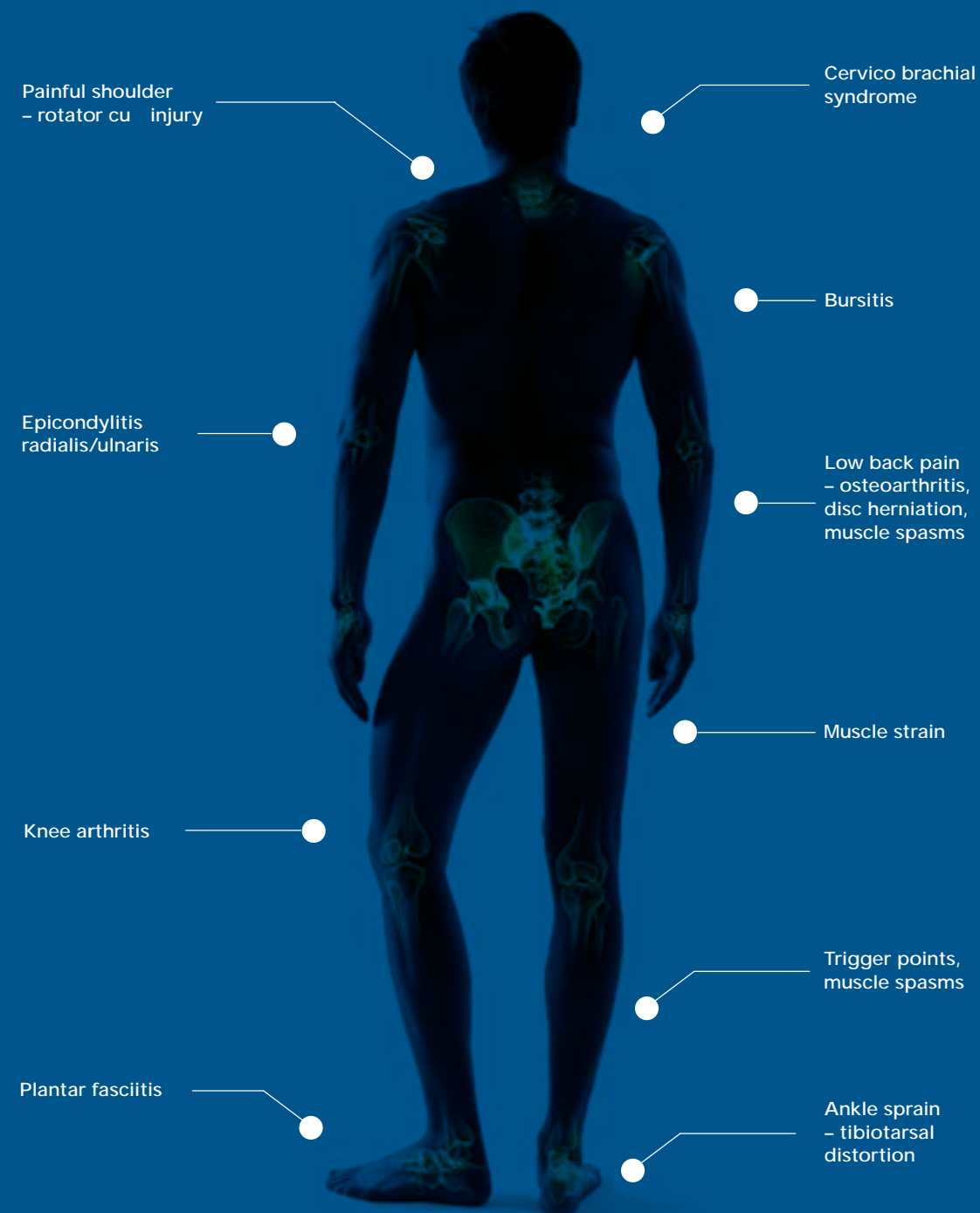
Using laser light wavelengths close to 1000 nm in extremely short pulsed mode gives BTL Laser technology completely new therapeutic feature – ability to create mechanical wave in the tissue. The 1064 nm wavelengths are designed to be extremely well absorbed in liquid based structures. When reaching the skin the laser light creates wavelength-specific photomechanical wave in the human tissue. The mechanical stimulation of free nerve endings blocks pain pathways in the nervous system and brings immediate pain relief.

MICROCIRCULATION SUPPORT

Moreover, this mechanical wave stimulates local microcirculation and supports lymph drainage of the pathological area. Combining biostimulation and photomechanical stimulation, the BTL High Intensity Laser therapy actually heals the tissue while providing a powerful and non-addictive form of pain management.



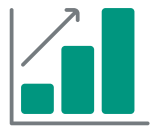
MOST COMMON INDICATIONS



TECHNOLOGY BENEFITS

MORE EFFECTIVE

With greater power come broader possibilities in terms of effect, penetration depth, energy dose supplied to the tissue, treated area and time spent performing the treatment. Higher power translates to faster healing and fewer therapy sessions.



SHORTER THERAPY TIME

The crucial parameter is the **dose**. The BTL High Intensity Laser allows for precise adjustment of the dose in the range between 1 and 200 J/cm². With LLLT the dose would rarely exceed 5 or 10 J/cm². Why? The answer is: time. For a small square area of tissue of 5 x 5 cm, it takes almost 7 minutes to administer 200 J/cm² with a 12 W HIL laser. With a 50 mW LLLT it would take 27 hours, 46 minutes and 40 seconds.



LARGER AREA

For the same reason HIL allows for treatment of significantly **larger areas** than the LLLT. For example, the circumference of a human knee is between 30 and 40 cm, which is impossible to cover with meaningful energy by LLLT.



THERMIC EFFECT

With HIL you can save both your and your patient's time, providing better therapy to more patients. Both HIL and LLLT have biostimulation and anti-inflammatory effects, but in addition you also get **thermic** and analgesic effects with HIL. The thermic effect has multiple benefits itself. It helps relax contracted tissue, induces better blood flow and helps the patient feel the therapy, which further supports the curative effect.



BTL-6000 HIGH INTENSITY LASER 12 W

BTL-6000 HIGH INTENSITY LASER 12 W

- 12 W power
- 1064 nm wavelength

FEATURES & BENEFITS

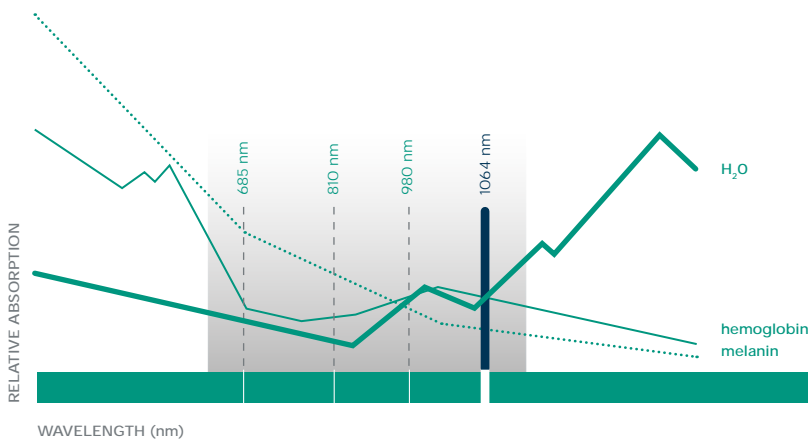
- Deep tissue penetration with power up to 12 W in continuous mode
- Maximum therapeutic effect using 1064 nm wavelength
- Pulsed mode for immediate elimination of pain
- Precise definition of the treatment area
- Automatic laser source calibration
- Preset protocols for easy application
- Built-in therapy guide
- Touchscreen interface
- Safety footswitch operation



- Applicator**
- Advanced ergonomy
 - 3 sizes of removable spacers
 - Spacers magnetic attachment



- Easy operation/portability**
- Touchscreen interface
 - Preset protocols
 - Extreme portability (7 kg)



BTL-6000 HIGH INTENSITY LASER 7 W

BTL-6000 HIGH INTENSITY LASER 7 W

- 7 W power
- 810/980 nm wavelength

FEATURES & BENEFITS

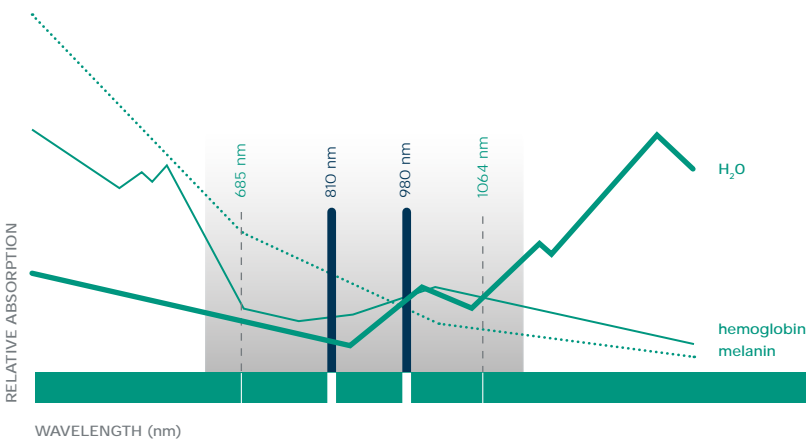
- Pulsed mode for immediate elimination of pain
- Precise definition of the treatment area
- Automatic laser source calibration
- Preset protocols for easy application
- Built-in therapy guide
- Touchscreen interface
- Safety footswitch operation



- Applicator**
- Advanced ergonomy
 - 3 sizes of removable spacers
 - Spacers magnetic attachment



- Easy operation/portability**
- Touchscreen interface
 - Preset protocols



HIGH INTENSITY LASER & SHOCKWAVE THERAPY

UNIQUE COMBINATION IN A SINGLE SYSTEM



TECHNICAL SPECIFICATIONS OF THE BTL-6000 HIGH INTENSITY LASER/ HIGH INTENSITY LASER+SWT POWER


Model	BTL-6000 HIGH INTENSITY LASER 12 W	BTL-6000 HIGH INTENSITY LASER 7 W	HIGH INTENSITY LASER 12 W +SWT POWER	HIGH INTENSITY LASER 7 W +SWT POWER
Part number	P6000.402	P6000.401	P6000.406	P6000.405
User interface	5.7" colour touch screen			
Preset protocols (SWT/HIL)	-/61	-/61	27/61	27/61
HIGH INTENSITY LASER				
Total output power	12 W	7 W	12 W	7 W
Operating wavelength	1064 nm	810/980 nm simultaneously	1064 nm	810/980 nm simultaneously
Modes	Continuous, pulsed, single pulse			
Laser class	4			
SHOCKWAVE THERAPY				
Maximum pressure			Up to 5 bars	Up to 5 bars
Maximum frequency			1 - 22 Hz	1 - 22 Hz
Modes			Single, continuous, burst, intensity gradient	
Safety features	Emergency off switch, operation by footswitch, safety interlock			
Dimensions	320×190×280 mm	320×190×280 mm	320×190×280 mm 330×220×300 mm (air compressor)	320×190×280 mm 330×220×300 mm (air compressor)
Mains supply	100-240 V AC, 50-60 Hz		100-240 V AC, 50-60 Hz 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz (air compressor)	
Standard accessories	Fiber-optic applicator, footswitch control, navigation light, calibration block, safety applicator spacer 30 mm, safety eyewear 2 pieces		SWT air compressor, SWT applicator with exchangeable kit, trolley, 15 mm multi-focused transmitter, 15 mm focused transmitter, 9, 15 mm multi-focused transmitter, additional 1×exchangeable kit, gel 1000 ml, fiber-optic applicator, footswitch control, navigation light, calibration block, safety applicator spacer 30 mm, safety eyewear 2 pieces	
Optional accessories				
Part number P6000.407	BTL-6000 High Intensity Laser 12 W with extended fiber length		Part number P6000.412	Safety applicator spacer 10 mm
Part number P6000.416	BTL-5000 SWT Power upgrade		Part number P6000.413	Safety applicator spacer 30 mm
Part number P6000.411	Foot switch control with safety metallic cover		Part number P6000.414	Safety applicator spacer 60 mm
Part number P5002.134	Trolley for BTL-5000, BTL-6000 units		Part number P6000.211	Plastic trolley
Part number P6000.410	Safety eyewear		Part number P6000.210	Transportation case

Additional accessories for all shockwave units

Part number P014.014	15 mm focused transmitter
Part number P014.016	9 mm multifocused transmitter
Part number P014.017	15 mm multifocused transmitter
Part number P014.059	20 mm vibrating transmitter
Part number P014.052	36 mm vibrating transmitter
Part number P014.050	15 mm multifocused titanium transmitter
Part number P014.051	9 mm multifocused trigger transmitter
Part number P014.053	20 mm titanium transmitter with sanitary cover*
Part number P014.054	20 mm transmitter with sanitary cover*
Part number P014.055	set of sanitary covers 20 mm (100 pcs)*

SWT transmitters sets

Part number P014.056	Set of 2 transmitters
Part number P014.057	Set of 4 transmitters
Part number P014.058	Set of 6 transmitters*
Part number P014.060	Full set of transmitters*

A person is lying down, and a hand is holding a radiofrequency therapy device against their back. The device is a small, oval-shaped, light-colored unit with a coiled cable. The person's back is visible, and their hair is dark. The overall lighting is dim, with a strong blue/cyan tint. The text is overlaid on the right side of the image.

TARGETED RADIOFREQUENCY THERAPY

NEW ERA IN TISSUE
HYPERTHERMY

TARGETED RADIOFREQUENCY THERAPY

MECHANISM OF ACTION

The BTL-6000 TR-Therapy transfers high frequency electromagnetic energy through the tissues of the body creating selective tissue hyperthermy. It has been scientifically proven to bring therapeutic effects such as immediate and intense pain relief, muscle relaxation, edema reduction and supporting tissue regeneration and healing.

MEDICAL EFFECTS

MUSCLE RELAXATION

The precise and aimed effect of the Targeted Radiofrequency Therapy on the hypertonic muscle fibers causes their immediate relaxation. The effect of myorelaxation is primarily based on vasodilation, which occurs immediately during the therapy and is responsible for higher supply of nutrients into the tissue.

TISSUE REGENERATION AND HEALING

The improvement of tissue metabolism is a natural and valuable secondary outcome of the therapy. It leads to faster healing of the traumatized soft tissue and faster resorption of post-injury hematomas.

EDEMA REDUCTION

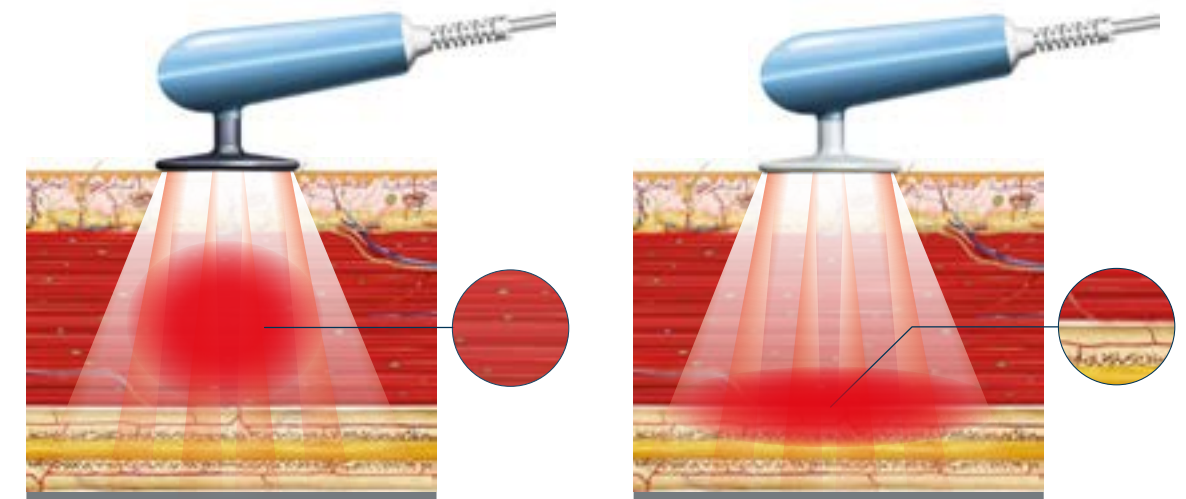
The walls of the arterioles are enlarged and the precapillary sphincters relaxed, allowing increased local blood perfusion. This leads to an increase of the lymphatic processes (drainage) and subsequently to reduction of the edema.

PAIN RELIEF

The principal effect of the Targeted Radiofrequency Therapy—the pain relief—results from muscle relaxation, edema reduction, tissue regeneration and healing.

EXCEPTIONAL TISSUE SELECTIVITY

Two different electrodes (capacitive and resistive) of the Targeted Radiofrequency Therapy provide precise and effective treatment at any tissue level. The capacitive electrode focuses the therapy into muscle layers. The resistive electrode targets tissue with higher impedance such as muscular insertions, tendons and bone surfaces.

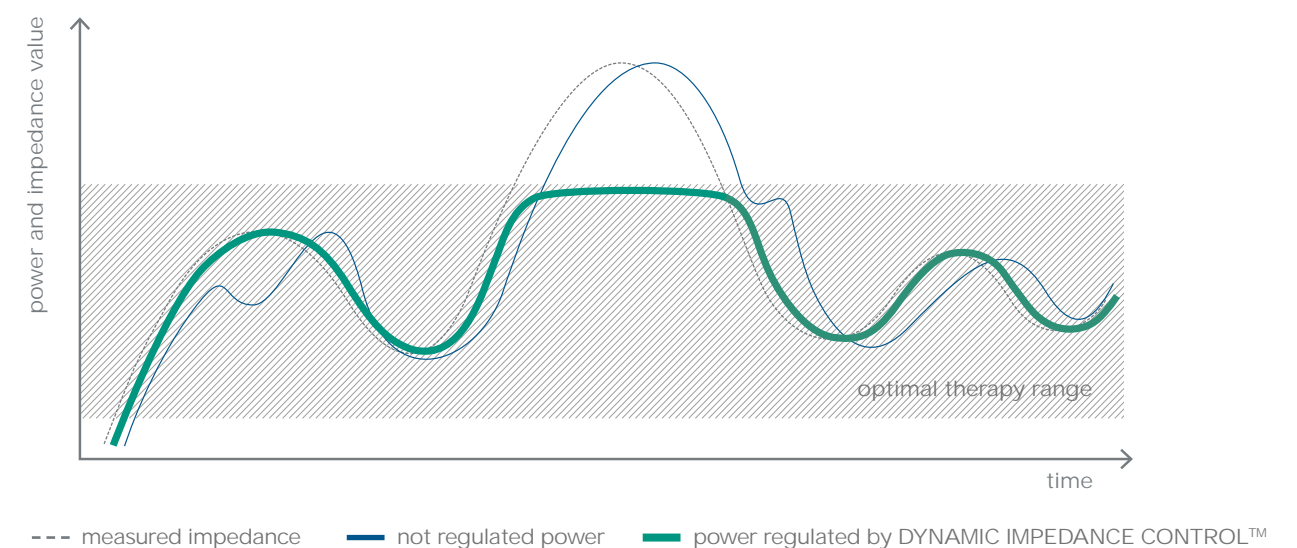


CAPACITIVE MODE

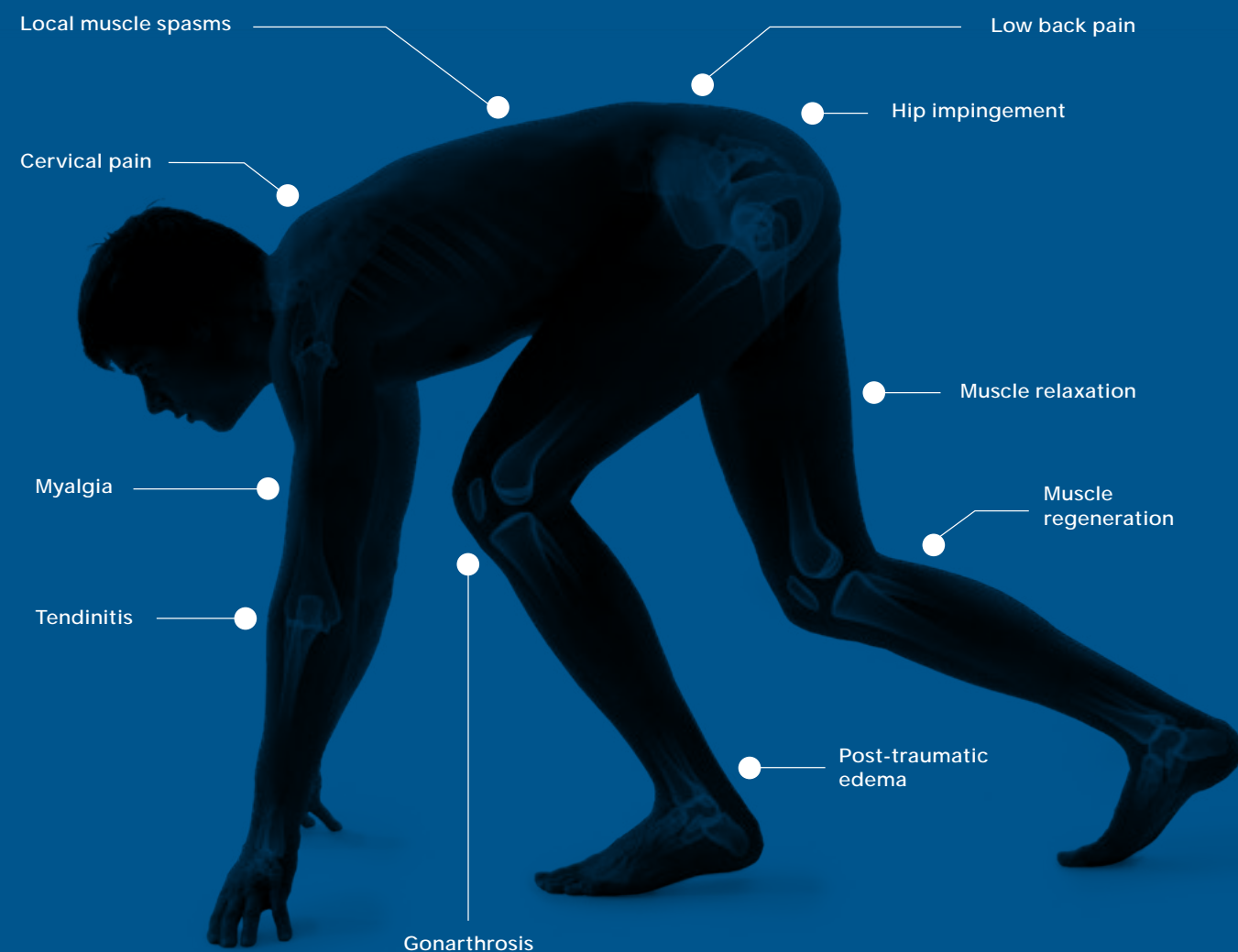
RESISTIVE MODE

DYNAMIC IMPEDANCE CONTROL™

Dynamic Impedance Control™ automatically regulates power throughout the Targeted Radiofrequency Therapy. The impedance of the tissue is measured during the whole therapy. The power is modulated to fit the exact characteristics and conditions of the treated tissue. Since the peak values are regulated at the same time, the tissue is evenly heated regardless of its immediate impedance.



MOST COMMON INDICATIONS



TR-THERAPY CONCEPT

The Targeted Radiofrequency Therapy delivers a new concept, allowing for effective combination of the therapist's unique skills with physical modality. The effect of the therapy is significantly improved through this simultaneous action and the therapy brings instant and long-lasting results.

TR-THERAPY MASSAGE TECHNIQUE

The Targeted Radiofrequency Therapy, in combination with soft tissue techniques, enhances the therapeutic effect by increasing the blood perfusion and the nutrient, oxygen and defence-agent supply of the treated tissue. The combination, used for reflexively caused muscular hypertonus, leads to its faster and easier relief.



TR-THERAPY PASSIVE MOTION TECHNIQUE

The Targeted Radiofrequency Therapy helps relieve trigger points and muscle spasms that prevent regaining the full range of joint movement. For example use of the Targeted Radiofrequency Therapy in combination with passive stretching of the shortened structures leads to their relaxation and immediately broadens the range of motion in the given segment.



TR-THERAPY MUSCLE ACTIVATION TECHNIQUE

Combining the Targeted Radiofrequency Therapy and isometric or isotonic muscle contraction focuses the hyperthermy into the contracted muscle. Delivered radiofrequency energy facilitates these muscle fibers and leads to their incorporation in the performed muscle stereotypes.



SUPERIOR APPLICATOR TECHNOLOGY

The core of the Targeted Radiofrequency Therapy system lies in its ergonomically designed applicator with the latest functional features. The applicator allows various types of grip for different application techniques, while the applicator's surface is made of soft and dirt-resistant material for comfortable and pleasant use. Other special features, such as audiovisual contact control and plastic insulation of the electrodes continuously make the therapist's work more effective and safe.

- ENHANCED OPERATOR SAFETY
- AUDIOVISUAL CONTACT CONTROL
- EXCEPTIONAL TISSUE SELECTIVITY



VARIOUS HANDLING TECHNIQUES



BTL-6000 TR-THERAPY ELITE

BTL-6000 TR-THERAPY ELITE

- 320 W power
- 8.4" colour touch screen

FEATURES & BENEFITS

- QUICK protocols
- Body Parts navigation
- Patient database
- Preset protocols and therapeutic encyclopaedia
- Ergonomic applicators with audiovisual contact control
- Tissue selectivity with capacitive and resistive mode
- Continuous and pulsed therapy options
- Static application option
- Dynamic Impedance Control™
- Trolley*

*optional



Capacitive applicator
Ergonomic applicator with audiovisual contact control



Resistive applicator
Ergonomic applicator with audiovisual contact control



Touch operation
Intuitive operation with colour touch screen (8.4")

BTL-6000

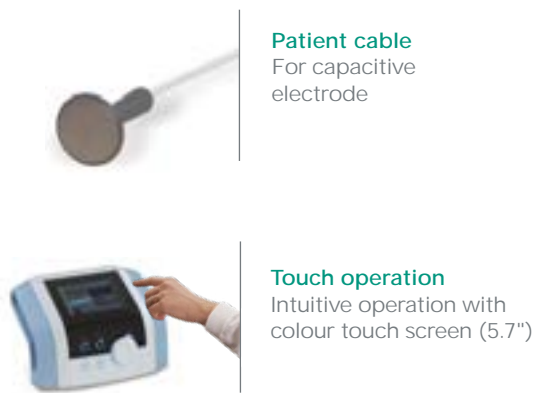
TR-THERAPY PRO

BTL-6000 TR-THERAPY PRO

- 150 W power
- 5.7" colour touch screen

FEATURES & BENEFITS

- Preset protocols and therapeutic encyclopaedia
- Tissue selectivity with capacitive and resistive mode
- Continuous and pulsed therapy options
- Dynamic Impedance Control™
- Trolley*



Patient cable
For capacitive
electrode

Touch operation
Intuitive operation with
colour touch screen (5.7")

Patient cable
For resistive
electrode

TECHNICAL SPECIFICATIONS OF THE BTL-6000 TR-THERAPY

Model	BTL-6000 TR-THERAPY ELITE	BTL-6000 TR-THERAPY PRO
Part number	P6000.501	P6000.502
User interface	8.4" colour touch screen	5.7" colour touch screen
QUICK protocols	•	
Body Parts navigation	•	
Preset protocols	•	•
User-defined protocols	•	
Patient database	•	•
Maximum power	320 W	150 W
Operating frequency	480-520 kHz	
Modes	Continuous, pulsed	
Outputs	For capacitive/resistive/neutral electrode	
Capacitive electrodes	4 sizes (20, 30, 50, 70 mm)	
Resistive electrodes	4 sizes (20, 30, 50, 70 mm)	
Neutral electrode	Metallic (160 × 240 mm)	
Dimensions	320 × 190 × 280 mm	
Weight	5 kg	
Mains supply	100-240 V AC, 50-60 Hz	
Standard accessories	Capacitive applicator, resistive applicator, 4 capacitive electrodes, 4 resistive electrodes, 1 neutral electrode, RF cream 1 l, 2 applicator holders	Patient cable for capacitive electrode, patient cable for resistive electrode, 2 patient cable holders, 4 capacitive electrodes, 4 resistive electrodes, 1 neutral electrode, RF cream 1 l

*optional

Optional accessories

Part number P6000.211	Plastic trolley	Part number P6000.519	Patient cable (for capacitive electrode)
Part number P6000.521	Adhesive neutral electrode	Part number P6000.539	Patient cable (for resistive electrode)
Part number P6000.210	Transportation case	Part number P6000.511	Set of capacitive electrodes (4 sizes 20, 30, 50, 70 mm)
Part number P6000.520	RF cream		
Part number P6000.523	Adhesive electrode for static application	Part number P6000.531	Set of resistive electrodes (4 sizes 20, 30, 50, 70 mm)
Part number P2000.002	Holder for RF cream for Plastic trolley		
Part number P6000.542	Holder for neutral electrode for Plastic trolley	Part number P6000.512	Capacitive electrode 20 mm
		Part number P6000.513	Capacitive electrode 30 mm
Part number P6000.541	Set of holders for the applicators	Part number P6000.515	Capacitive electrode 50 mm
Part number P6000.540	Set of holders for the patient cables	Part number P6000.517	Capacitive electrode 70 mm
Part number P6000.524	Patient cable for static application	Part number P6000.532	Resistive electrode 20 mm
Part number P6000.529	Patient cable for neutral electrode	Part number P6000.533	Resistive electrode 30 mm
Part number P6000.510	Capacitive applicator	Part number P6000.535	Resistive electrode 50 mm
Part number P6000.530	Resistive applicator	Part number P6000.537	Resistive electrode 70 mm



SUPER
INDUCTIVE SYSTEM
CUTTING-EDGE
TECHNOLOGY



SUPER INDUCTIVE SYSTEM

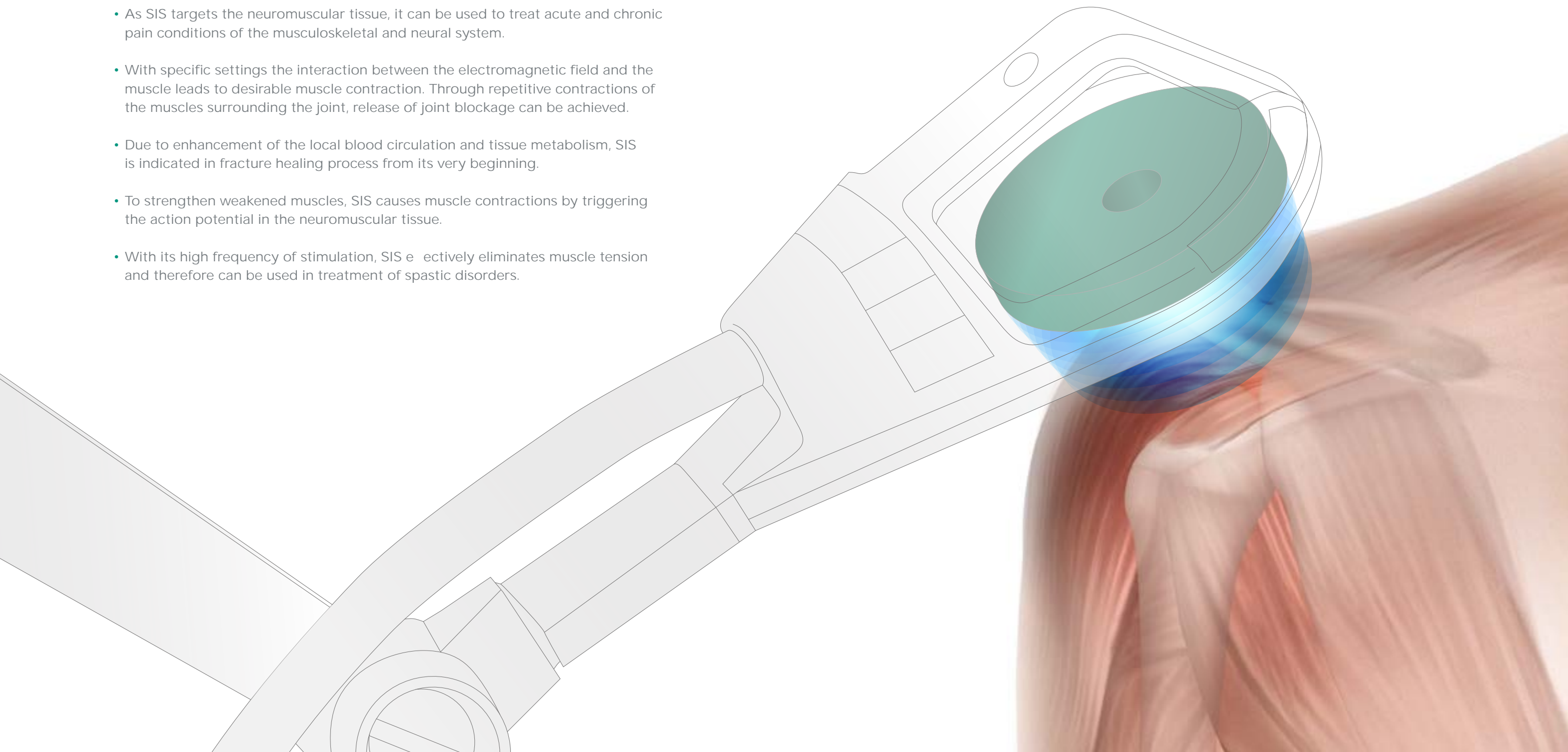
BTL presents an innovative therapy - the Super Inductive System (SIS). The technology is based on high-intensity electromagnetic field, which positively influences the human tissue. Therapeutic effects include pain relief, fracture healing, myorelaxation, myostimulation and joint mobilization.

- As SIS targets the neuromuscular tissue, it can be used to treat acute and chronic pain conditions of the musculoskeletal and neural system.
- With specific settings the interaction between the electromagnetic field and the muscle leads to desirable muscle contraction. Through repetitive contractions of the muscles surrounding the joint, release of joint blockage can be achieved.
- Due to enhancement of the local blood circulation and tissue metabolism, SIS is indicated in fracture healing process from its very beginning.
- To strengthen weakened muscles, SIS causes muscle contractions by triggering the action potential in the neuromuscular tissue.
- With its high frequency of stimulation, SIS effectively eliminates muscle tension and therefore can be used in treatment of spastic disorders.

PATENTED TECHNOLOGY

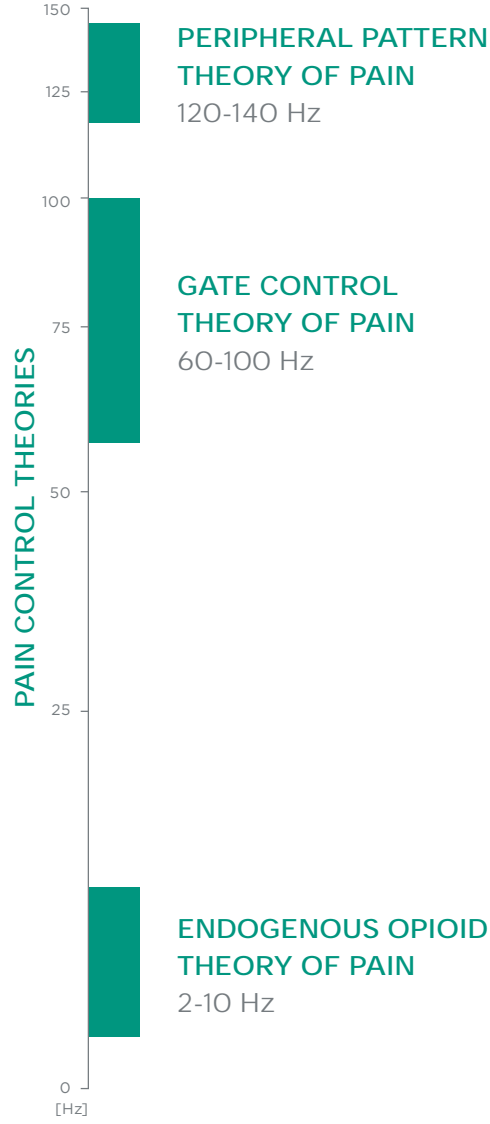
The BTL Super Inductive System features unique high-tech solutions. Ingenious design of the coil in the applicator allows for smooth therapy procedure with the device, even under demanding operational conditions, which are frequencies of up to 150 Hz and intensity of up to 2.5 T. One-of-a-kind is also the coil cooling system, which allows for the most effective cooling and ensures the possibility of prolonged therapy times, even when set to values causing the highest possible load on the device.

This product, the methods of its manufacture and the use are covered by one or more US and foreign patents or pending patent applications.



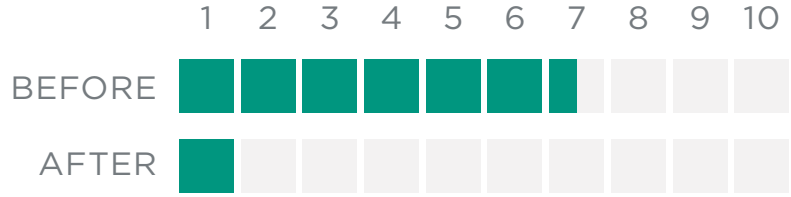
FREQUENCY-SPECIFIC PAIN MANAGEMENT

Wide range of frequencies assures that the BTL Super Inductive System can be indicated for all stages of painful conditions. Their management is based on three different pain control theories. Each of them varies in frequency spectrum. Therefore the SIS therapy leads to immediate relief at all stages of disorders, whether chronic or acute.

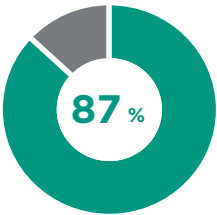


CLINICALLY PROVEN WITH EVIDENT RESULTS

PAIN REDUCTION DEMONSTRATED ON THE VISUAL
ANALOGUE SCALE



IMPROVEMENT DESCRIBED
BY 87 % OF THE PATIENTS



Graphics show pain reduction after 5 to 10 therapies with the BTL Super Inductive System. Results are demonstrated on the Visual Analogue Scale. 87 % of the participants described decrease of pain.*

*KAZALAKOVA, Krasimira: Repetitive Peripheral Magnetic Stimulation as Pain Management Solution in Musculoskeletal and Neurological Disorders – A Pilot Study

OTHER MEDICAL EFFECTS

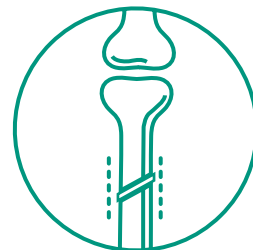
JOINT MOBILIZATION

Joint mobilization is achieved through repetitive contractions of the muscles surrounding the joint capsule. This repetitive contraction substitutes manual joint mobilization, which leads to joint play restoration.



FRACTURE HEALING

The high-intensity electromagnetic field enhances blood circulation in the affected area and supports formation of the vascular and cartilage callus. Consequently progressive cartilage mineralization and bone remodeling are initiated.



MYOSTIMULATION

Interaction of the electromagnetic field within neuromuscular tissue, results in nerve depolarization and muscle contractions. Based on the selected stimulation frequency, muscle facilitation or strengthening can be achieved.

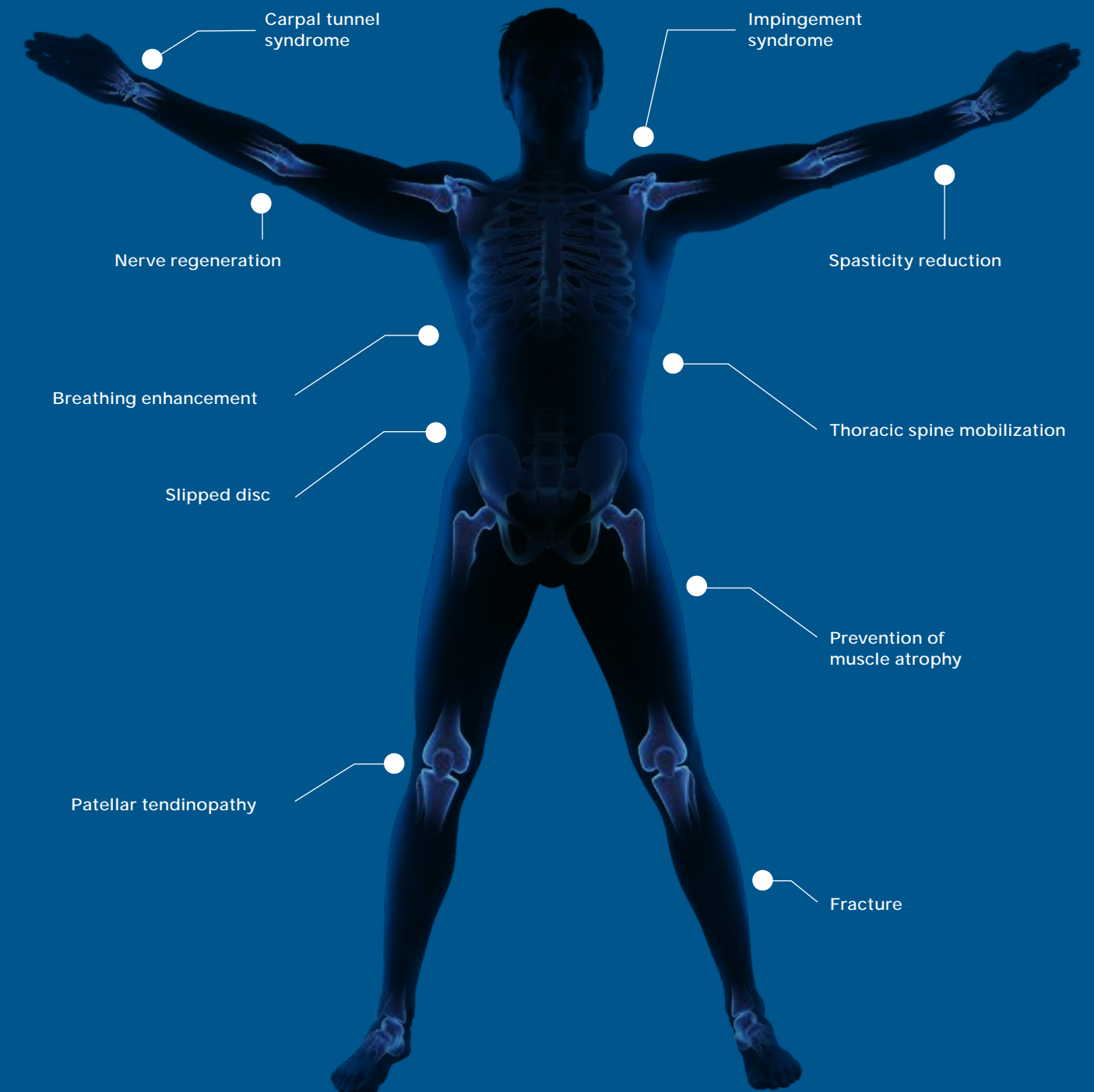


SPASTICITY REDUCTION

Inhibition of an increased muscle tone is achieved through affecting the spinal level of muscle tone control. This mechanism is indicated for treatment of central motor impairment, in which spasticity occurs.



MOST COMMON INDICATIONS



BTL-6000

SUPER INDUCTIVE SYSTEM

BTL-6000 SUPER INDUCTIVE SYSTEM ELITE

- Frequency up to 150 Hz
- Intensity up to 2.5 Tesla
- Patented applicator technology
- 8.4" colour touch screen

FEATURES & BENEFITS

- QUICK protocols
- Body Parts navigation
- Patient database
- Preset protocols and therapeutic encyclopaedia
- Variable six-joint arm
- Pulse quality monitor
- Trolley



Touch operation
Intuitive operation
with colour touch
screen (8.4")

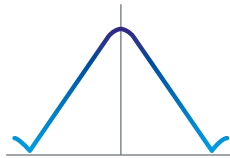


Six-joint arm
Easy applicator
positioning

THE APPLICATOR

ELECTROMAGNETIC FIELD DISTRIBUTION

The electromagnetic field emitted by the Super Inductive System applicator ensures precise therapy targeting into areas localized deep within the tissue, while delivering intensities of up to 2.5 T.



Visualization of the
electromagnetic field distribution
on the applicator surface



- **PRECISE TARGETING**
- **IN-DEPTH REACH**

TECHNICAL SPECIFICATIONS OF THE BTL-6000 SUPER INDUCTIVE SYSTEM

Model	BTL-6000 SUPER INDUCTIVE SYSTEM ELITE
Part number	P6000.901
User interface	8.4" colour touch screen
QUICK protocols	•
Body Parts navigation	•
Preset protocols	•
User-defined protocols	•
Patient database	•
Intensity	up to 2.5 T (max. dB/dt 28 kT/s)
Frequency	up to 150 Hz
Dimensions	500 × 970 × 580 mm
Weight	33 kg
Mains supply	100–240 V AC, 50–60 Hz
Standard accesories	Six-joint arm, applicator

BTL-4000

SMART & PREMIUM

The all new BTL-4000 is highly advanced physiotherapy system that includes all four physiotherapy modalities: electrotherapy, ultrasound, laser and magnetotherapy. The outstanding parameters and exceptionally wide range of applicators and accessories make this system an ideal choice for any modern office. The revolutionary HandsFree Sono® is the only of its kind: an operator independent applicator saves the therapists' time and reduces their fatigue while making the therapy more effective.

The BTL-4000 Series is available in two models: the **BTL-4000 SMART** and the **BTL-4000 PREMIUM**.

EASY OPERATION

- Start the therapy with a single touch
- Select up to eight QUICK protocols for each therapy
- Large colour touch screen provides clear visualization of all important information
- The screen is available in two sizes: 7" for the **BTL-4000 Premium** or 4.3" for the **BTL-4000 Smart**

NAVIGATION THROUGH BODY PARTS

- Body Parts navigation for fast access to localized protocols
- Clearly arranged Body Parts in ten groups

FULL RANGE OF APPLICATORS AND ACCESSORIES

- Time-saving HandsFree Sono® applicator
- Ergonomically designed, preheated ultrasound heads
- Large selection of laser probes and clusters for wide range of treatments
- Powerful magnetotherapy applicators
- New built-in vacuum unit
- Well-designed durable trolley for everyday use

PATIENT DATABASE

- Easy management of the patient database
- All patient relevant information can be stored in the device memory
- Easy recall of patients' records and related treatments

THERAPEUTIC PROTOCOLS

- Wide library of preset protocols for easy and effective application
- Classification of the protocols according to the biological effects
- Full-colour encyclopaedia with anatomical images
- Description of therapies and positioning of applicators for treatment protocols

PORTABILITY AND BATTERY OPERATION

- Easy manipulation
- Lightweight battery-operated devices



ELECTROTHERAPY

THE MOST COMPREHENSIVE THERAPY OPTIONS



TECHNICAL SPECIFICATIONS OF THE BTL-4000 SMART & PREMIUM ELECTROTHERAPY

Model	BTL-4620 SMART	BTL-4625 SMART	BTL-4620 PREMIUM	BTL-4625 PREMIUM
Part number	P2620.401	P2625.402	P2620.701	P2625.701
User interface	4.3" colour touch screen	4.3" colour touch screen	7" colour touch screen	7" colour touch screen
Knob			•	•
QUICK protocols			•	•
Body Parts navigation			•	•
Patient database			•	•
Electrotherapy channels	2	2	2	2
Electrodiagnostics		•		•
Galvanic	•	•	•	•
Diadynamic currents	•	•	•	•
Träbert	•	•	•	•
Faradic	•	•	•	•
Neofaradic	•	•	•	•
Exponential pulses	•	•	•	•
Exponential pulses with rise	•	•	•	•
Rectangular pulses	•	•	•	•
Russian stimulation	•	•	•	•
Stimulation pulses	•	•	•	•
Trapezoid pulses	•	•	•	•
Triangular pulses	•	•	•	•
Combined pulses	•	•	•	•
TENS	•	•	•	•
NPHV	•	•	•	•
Sequences	•	•	•	•
2-pole interference	•	•	•	•
4-pole interference	•	•	•	•
Isoplanar and vector field		•		•
Interrupted pulses		•		•
Leduc current		•		•
H-wave		•		•
Microcurrent		•		•
Mid-frequency surges		•		•
Spastic stimulation – Hufschmidt		•		•
Spastic stimulation – Jantsch		•		•
HVT		•		•
IG pulses		•		•
Modulated pulsed current		•		•
VMS current		•		•
Kotz current		•		•
EPIR		•		•
Dimensions	380 × 190 × 260 mm			
Weight	Max. 3 kg			
Mains supply	100-240 V AC, 50-60 Hz			
Standard accessories	2 × electrode connection cable–light grey and dark grey, 4 × flat rubber electrode 5 × 7 cm, sponge covers, set of fixation straps			

ELECTROTHERAPY

FULL RANGE OF WAVEFORMS FOR THE BEST THERAPEUTIC EFFECT

The BTL-4000 Smart and the BTL-4000 Premium feature two-channel electrotherapy units with a wide selection of waveforms. The new BTL-4000 series offers a fast therapy option using the QUICK screen, an easy navigation according to the body parts treated, all of them being clearly visible on the device large colour touch screen.

Accessories for BTL-4000 Smart & Premium



Rubber electrodes

Vacuum electrodes

Adhesive electrodes



BTL-4000 SMART

- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Portable and battery-operated*
- Vacuum unit*

FEATURES & BENEFITS OF THE BTL-4000 SMART & PREMIUM ELECTROTHERAPY

- The largest range of waveforms available in the industry
- Protocols organized by the required therapy effect
- Programmable sequences
- High Voltage therapy
- Constant current and constant voltage modes
- Suitable for combined therapy (simultaneous ultrasound and electrotherapy)
- Trolley*
- Connection to the vacuum unit*

* optional

Optional accessories

Part number P5600.007	Electrode 7×5 cm – 2 mm input, 1 pc.
Part number P5600.008	Electrode 12×8 cm – 2 mm input, 1 pc.
Part number P006.014	Sponge cover for electrodes 7×5 cm, 1 pc.
Part number P006.016	Sponge cover for electrodes 12×8 cm, 1 pc.
Part number P2600.002	Electrode connection cable for electrotherapy BTL-4000 Smart/Premium, for channel 1, light grey
Part number P2600.003	Electrode connection cable for electrotherapy BTL-4000 Smart/Premium, for channel 2, dark grey
Part number P5600.024	Set of fixation straps for electrodes, 4 pairs (1 pair long, 1 pair middle sized, 2 pairs short)
Part number P5600.010	Bipolar vaginal electrode
Part number P5600.011	Bipolar rectal electrode
Part number P5600.013	Holder for ball-point electrode for BTL-4000/5000
Part number P5600.014	Ball-point attachment for BTL-4000/5000 – 2 mm in diameter
Part number P5600.015	Ball-point attachment for BTL-4000/5000 – 6 mm in diameter
Part number P5600.023	Adhesive electrodes 75×140 mm, nonwoven (4 per package)
Part number P5600.026	Adhesive electrodes 32 mm, nonwoven (4 per package)
Part number P5600.027	Adhesive electrodes 50 mm, nonwoven (4 per package)
Part number P5600.028	Adhesive electrodes 40×40 mm, foam (4 per package)
Part number P5600.029	Adhesive electrodes 50×50 mm, foam (4 per package)
Part number P2000.005	Battery pack
Part number P2000.006	Carry bag
Part number P2000.001	Plastic trolley for BTL-4000 Smart/Premium
Part number PVAC.207	BTL-Vac II - tabletop version for BTL-4000 Smart/Premium & BTL-5000



BTL-4000 PREMIUM

- QUICK protocols
- Body Parts navigation
- Large 7" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database
- Portable and battery-operated*
- Vacuum unit*

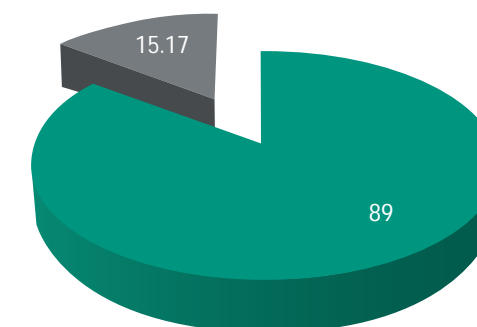
ULTRASOUND

SAVE YOUR TIME WITH THE NEW OPERATOR INDEPENDENT HANDSFREE SONO®

The new operator independent HANDSFREE SONO® is a stationary applicator with built-in Rotary Field Technology.

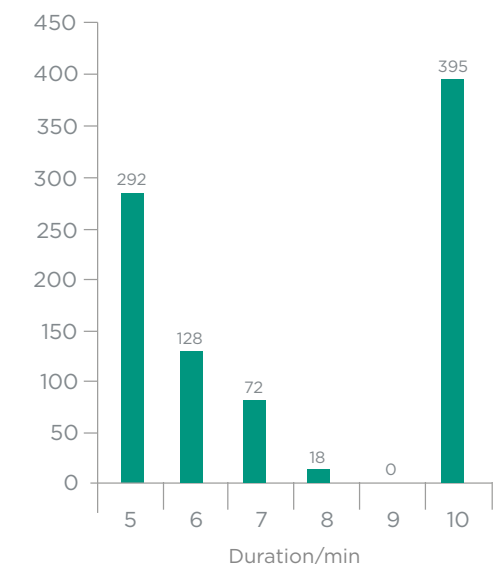
The technology makes ultrasound therapy more comfortable for the patient, while saving operator's valuable time and energy.

A study conducted at Rehabilitation Center Kladruby, CZ, showed, that continuous use of Handsfree Sono instead of heads used manually over the period of 89 days saved 15 days of potential additional work if manual ultrasound therapy was applied.



■ working days
■ HandsFree Sono® time/days

*Timesaving data collected at Rehabilitation Center Kladruby, Czech Republic



■ number of applications of different durations

ULTRASOUND

A BREAKTHROUGH IN THE ULTRASOUND THERAPY

This operator independent ultrasound system saves the operator's time, while making ultrasound treatment more effective than ever before. An easy operation, the most advanced parameters and a wide library of protocols make the BTL-4000 Smart and the BTL-4000 Premium the most advanced system in the industry.

Accessories for BTL-4000 Smart & Premium



BTL-4000 PREMIUM

- HandsFree Sono® applicator*
- QUICK protocols
- Body Parts navigation
- Simultaneous treatment with 1 and 3 MHz
- Large 7" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database
- Preheated ultrasound heads
- Portable and battery-operated*



BTL-4000 SMART

- HandsFree Sono® applicator*
- Simultaneous treatment with 1 and 3 MHz
- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Preheated ultrasound heads
- Portable and battery-operated*

FEATURES & BENEFITS OF THE BTL-4000 SMART & PREMIUM ULTRASOUND

- Saving operator's time and effort with HandsFree Sono®
- Suitable for combined therapy (simultaneous ultrasound and electro therapy)
- Ergonomic heads with visual patient contact indicator
- Preheated multi-frequency applicators: 1 MHz, 3 MHz and alternating frequency
- Trolley*

TECHNICAL SPECIFICATIONS OF THE BTL-4000 SMART & PREMIUM ULTRASOUND

Model	BTL-4710 SMART	BTL-4710 PREMIUM
Part number	P2710.401	P2710.701
User interface	4.3" colour touch screen	7" colour touch screen
Knob		•
QUICK protocols		•
Body Parts navigation		•
Patient database		•
Number of independent channels	1	1
Number of heads simultaneously connected	2	2
Modular frequency	10-150 Hz	10-150 Hz
Duty factor	5-100%	5-100%
Modes	Continuous, pulsed	Continuous, pulsed
Max. intensity in continuous/pulsed mode	2 W/cm²/3 W/cm²	2 W/cm²/3 W/cm²
Dimensions	380 x 190 x 260 mm	
Weight	Max. 3 kg	
Mains supply	100-240 V AC, 50-60 Hz	
Standard accessories	Ultrasound head 5 cm², gel 300 ml	

*optional

Optional accessories

Part number P2700.004	HandsFree Sono 6 crystals (including 3 fixation straps)	Part number P007.011	Ultrasound gel 1 l
Part number P2700.003	HandsFree Sono 4 crystals (including 3 fixation straps)	Part number P007.010	Ultrasound gel 300 ml
Part number P2700.002	Ultrasound head 5 cm²	Part number P2000.005	Battery pack
Part number P2700.001	Ultrasound head 1 cm²	Part number P2000.006	Carry bag
		Part number P2000.001	Plastic trolley for BTL -4000 Smart/ Premium, BTL -5000 Series

HANDSFREE SONO®

THE ONLY OPERATOR INDEPENDENT APPLICATOR WITH ROTARY FIELD

The BTL HandsFree Sono® brings the unique Rotary Field Technology. It is the first ultrasound applicator on the market which creates electronically precise rotating ultrasound field without necessity of a therapist activity. This outstanding technology enables very fast, effective and comfortable treatment and reduces operator fatigue.



Automatic application by the HandsFree Sono®

Hand operated application by a therapist

ROTARY FIELD TECHNOLOGY: THE PRINCIPLE

The ultrasound Rotary Field Technology is the latest innovation based on multiple crystal applicators. The ultrasound crystals are organized in the applicator as an array of ultrasound transmitters which are controlled by a real time processor unit. The real time processor unit activates the individual crystals according to preset parameters.

The Rotating Field is created by a sequential activating of crystals while the real time processor controls speed of rotation, output power and depth of ultrasound field penetration for each individual crystal. Such a precise control makes the ultrasound therapy effective and safe against any risks such as hotspots which are typical of some stationary ultrasound technologies.

MAXIMUM FLEXIBILITY FOR ALL TREATMENT POSITIONS



FEATURES AND BENEFITS OF THE BTL HANDSFREE SONO®

- Saving operator's time and effort
- More efficient therapy & elimination of therapist's fault
- Maximum safety using the embedded Rotary Field Technology
- Equal ultrasound dosage over the entire treated area
- Alternating frequencies 1 and 3 MHz
- Two models of HandsFree Sono: 18 cm² with six crystals and 12 cm² with four crystals

LASER THERAPY

THE MOST EFFECTIVE APPLICATORS FOR PAIN MANAGEMENT AND REGENERATION

WIDE RANGE OF APPLICATORS

BTL offers a wide range of infrared and red probes and clusters for laser therapy. Infrared probes and clusters penetrate deeper into the tissue while red are used to treat superficial areas such as wounds, scars or hematomas. All applicators have embedded pilot beams that navigate on the treatment area during the therapy.

LASER PROBES FOR BTL-4000 SMART & PREMIUM

For small treatment areas, select an applicator with up to 400 mW in power.



Probe	Technical parameters	Part number
Red probe – divergent	685 nm/30 mW	L458.211
Red probe – divergent	685 nm/50 mW	L458.212
Infrared probe – convergent	830 nm/50 mW, green navigation	L458.201
Infrared probe – convergent	830 nm/100 mW, green navigation	L458.202
Infrared probe – convergent	830 nm/200 mW, green navigation	L458.203
Infrared probe – convergent	830 nm/300 mW, green navigation	L458.204
Infrared probe – convergent	830 nm/400 mW, green navigation	L458.205

LASER CLUSTERS FOR BTL-4000 SMART & PREMIUM

For larger areas, select an applicator with a treatment area of up to 50 cm², and power of up to 1500 mW.



Cluster	Technical parameters	Part number
Red cluster	685 nm/200 mW total output	L455.201
Infrared cluster	830 nm/800 mW total output, blue navigation	L455.202
Infrared cluster	830 nm/1300 mW total output, blue navigation	L455.203
Combined cluster	685 & 830 nm/1000 mW total output, blue navigation	L455.204
Combined cluster	685 & 830 nm/1500 mW total output, blue navigation	L455.205

LASER THERAPY

ERGONOMICS DESIGNED FOR EVERYDAY USE

Both the BTL-4000 Smart and the BTL-4000 Premium Lasers have a wide spectrum of powerful applicators with two types of wavelengths and adjustable intensity levels. The laser modules can address most biological effects required from laser therapy, while reaching maximum treatment efficacy. The large database of preset protocols makes the use of the laser device easy and comfortable for advanced practitioners as well as those new to the laser therapy.

Accessories for BTL-4000 Smart & Premium



BTL-4000 PREMIUM

- QUICK protocols
- Body Parts navigation
- Large 7" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database
- Portable and battery-operated*



BTL-4000 SMART

- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Portable and battery-operated*

FEATURES & BENEFITS OF THE BTL-4000 SMART & PREMIUM LASER

- Two outputs for simultaneous connection of laser applicators
- Wide range of red, infrared and combined laser probes and clusters
- Continuous and pulsed therapy options
- Automatic recalculation of therapy parameters
- Preset protocols for laser acupuncture
- Trolley*

TECHNICAL SPECIFICATIONS OF THE BTL-4000 SMART & PREMIUM LASER

Model	BTL-4110 SMART	BTL-4110 PREMIUM
Part number	P2110.401	P2110.701
User interface	4.3" colour touch screen	7" colour touch screen
Knob		•
QUICK protocols		•
Body Parts navigation		•
Patient database		•
Number of probes simultaneously connected	2	2
Modes	Continuous/pulsed	Continuous/pulsed
Dosage	0.1-100 J/cm ²	0.1-100 J/cm ²
Frequency	0-10 000 Hz	0-10 000 Hz
Therapy area	0.1-100 cm ²	0.1-100 cm ²
Duty factor	35-90%, 100%	35-90%, 100%
Laser class	3B	3B
Dimensions	380 × 190 × 260 mm	
Weight	Max. 3 kg	
Mains supply	100-240 V AC, 50-60 Hz	
Standard accessories	Holder for laser probe	

*optional

Optional accessories

Part number P5100.008	Safety eyewear, protection level L3 or higher, plastic	Part number L449.009	Optical attachment for gynaecology with rounded end
Part number L449.005	Holder for optical attachment	Part number P2000.005	Battery pack
Part number L449.006	Optical attachment for dentistry	Part number P2000.006	Carry bag
Part number L449.007	Optical attachment for ENT	Part number P2000.001	Plastic trolley for BTL-4000 Smart/Premium, BTL-5000 Series
Part number L449.008	Optical attachment for gynaecology		

COMBINED UNITS

ELECTROTHERAPY
ULTRASOUND
LASER THERAPY
MAGNETOTHERAPY



COMBINED UNITS SERIES

The BTL physiotherapy devices offer a broad selection of combined units. These can include nearly any combination of electrotherapy, ultrasound, laser and magnetotherapy. Each system provides different functions and features to satisfy any of your therapy needs.

BTL-5000 SERIES

- Unique modular system
- Available for later upgrade
- Saves the cost of the initial investment
- Up to four therapies in a single unit



BTL-4000 SMART & PREMIUM

- The most advanced technology in the industry
- HandsFree Sono® applicator
- Body Parts navigation and QUICK protocols
- Up to three therapies in a single unit



BTL-4000 PROFESSIONAL

- Cost-effective solution
- Up to two therapies in a single unit



COMBINED UNITS THERAPIES

ELECTROTHERAPY

Full range of low and medium frequency waveforms and their modifications. Vacuum unit option.



ULTRASOUND

Ergonomically shaped ultrasound heads and the new operator independent applicator HandsFree Sono®.



LASER THERAPY

Wide range of red, infrared and combined laser probes and clusters.



MAGNETOTHERAPY

High performance magnetotherapy applicators.



BTL-4000 SMART & PREMIUM COMBINED UNITS



BTL-4820SL PREMIUM Part number P2820.781	2 basic	1	1
BTL-4825SL PREMIUM Part number P2825.781	2 extended	1	1
BTL-4820S SMART Part number P2820.471	2 basic	1	
BTL-4825S SMART Part number P2825.471	2 extended	1	
BTL-4820S PREMIUM Part number P2820.771	2 basic	1	
BTL-4825S PREMIUM Part number P2825.771	2 extended	1	
BTL-4820L SMART Part number P2820.481	2 basic		1
BTL-4825L SMART Part number P2825.481	2 extended		1
BTL-4825M2 SMART Part number P2825.452	2 extended		2
BTL-4825M2 PREMIUM Part number P2825.752	2 extended		2
BTL-4800SL SMART Part number P2800.400		1	1
BTL-4800LM2 SMART Part number P2800.451			1 2
BTL-4800LM2 PREMIUM Part number P2800.751		1	2

1-one channel 2-two channel basic-basic waveforms extended-extended range of waveforms

BTL-4000 PREMIUM ELECTROTHERAPY ULTRASOUND LASER THERAPY

BTL-4000 PREMIUM

- Three therapies in a single unit
- HandsFree Sono® applicator*
- QUICK protocols
- Body Parts navigation
- Large 7" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database
- Portable and battery-operated*

FEATURES & BENEFITS OF THE BTL-4825SL PREMIUM UNIT

- Two independent electrotherapy channels
- Wide spectrum of waveforms
- Vacuum unit*
- Wide range of laser probes and clusters

*optional



Accessories for BTL-4000 PREMIUM



Model	Electrotherapy	Ultrasound	Laser	Extended waveforms
BTL-4825SL PREMIUM Part number P2825.781	•	•	•	•
BTL-4820SL PREMIUM Part number P2820.781	•	•	•	

BTL-4000 PROFESSIONAL COMBINED UNITS



BTL-4000 COMBI PROFESSIONAL

- Graphic and digital display
- Preset protocols
- Portable and battery-operated

FEATURES & BENEFITS OF THE BTL-4818S COMBI PROFESSIONAL UNIT

- Wide spectrum of waveforms
- Vacuum unit*
- Multi-frequency ultrasound applicators
- Suitable for combination therapy



BTL-4816S COMBI PROFESSIONAL Part number P4816.004	1-interferential	1
BTL-4818S COMBI PROFESSIONAL Part number P4818.004	1-interferential extended	1

1-one channel basic-basic waveforms extended-extended range of waveforms
*optional

BTL-4000 PROFESSIONAL ELECTROTHERAPY ULTRASOUND

Accessories for BTL-4000 Professional



Model	Electrotherapy	Ultrasound	Extended waveforms
BTL-4818S COMBI PROFESSIONAL Part number P4818.004	•	•	•
BTL-4816S COMBI PROFESSIONAL Part number P4816.004	•	•	

ELECTROTHERAPY VACUUM UNIT

VACUUM UNIT* OF THE SECOND GENERATION

Model	BTL-VAC II
Part number	PVAC.200
Number of outputs	2
Modes	Continuous, pulsed
Pulse frequency	5, 10, 15, 20 pulses/minute
Dimensions	250 x 130 x 209 mm
Weight	1.9 kg
Mains supply	100-240 V, 50-60 Hz

*Also available in tabletop option - BTL VAC II - tabletop version PVAC.207



LYMPHASTIM

ADVANCED PRESSOTHERAPY SYSTEM



LYMPHATIC DRAINAGE

Lymphatic drainage is a well-established & clinically-proven therapeutic method that delivers immediate and visible results.

BTL's Lymphastim works on the pneumatic pressotherapy principle. Special applicator sleeves with multiple overlapping chambers provide gentle massage that encourages the natural circulation of the lymph through the body.

DIFFERENT FIELDS OF APPLICATION

- Rehabilitation and sports medicine
- Lymphology and rheumatology clinics
- Spas and wellness hotels

MOST COMMON INDICATIONS

MEDICAL

- Chronic edemas
- Post-surgical obstruction of lymph vessels
- Venous insufficiency and ischemic diseases

WELLNESS AND SPAS

- Varicose veins
- Heavy-legs syndrome



LYMPHASTIM PROFESSIONAL PRESSOTHERAPY SYSTEMS



BTL-6000 Lymphastim TOPLINE

- 15 programs for various compression flows
- 26 preset protocols and sequences of programs
- Built-in encyclopaedia with treatment recommendations
- Advanced settings for customized treatment

BTL-6000 Lymphastim EASY

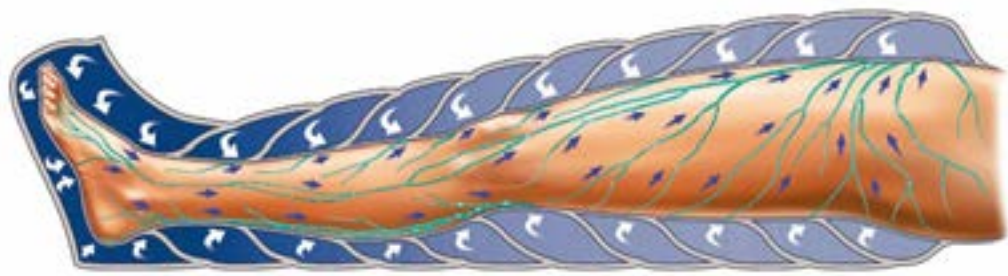
- 12-channel/6-channel economy models with LED interface
- 8 preset programs that can be modified by the user
- Basic pressure gradient and programmable speed setting
- Pressure can be changed during the course of therapy
- Working chamber activity shown on bar graph



LYMPHASTIM APPLICATORS

OVERLAPPING CHAMBERS TECHNOLOGY

All BTL Lymphastim applicators feature overlapping chambers for precise and more efficient therapy.



FEATURES & BENEFITS OF THE BTL-6000 LYMPHASTIM APPLICATORS

- Ergonomically designed for maximum comfort
- Connectors for easy applicator change by a single click
- Automatic sleeve emptying after treatment for comfortable handling
- Automatic identification of the applicators; the unit automatically identifies the connected applicator and selects the compression flow accordingly

WIDE RANGE OF APPLICATORS

TROUSERS 24

The velcro applicator perfectly fits all body types due to the large coverage area of the velcro.



TROUSERS 24 SIZE XL

Thigh perimeter up to 90 cm and belt perimeter up to 150 cm



TROUSERS 24 WITH ZIPPER

Full-length, high-quality zipper for quick and easy dressing/undressign.



TROUSERS 24 UNISIZE

The unisize trousers have been designed to change size fast and easily.



LEG APPLICATORS

A selection of three sizes (S, M and L) is available.



ARM APPLICATORS

The arm applicators are unique due to their extremely ergonomical large breast chambers.



TECHNICAL SPECIFICATIONS OF THE BTL-6000 LYMPHASTIM

Model	BTL-6000 LYMPHASTIM 12 TOPLINE	BTL-6000 LYMPHASTIM 12 EASY	BTL-6000 LYMPHASTIM 6 EASY
Part number	P6000.003	P6000.002	P6000.001
User interface	5.7" touch screen	LED display	LED display
Preset protocols (programs in sequences)	•		
User-defined protocols	•		
Preset programs	15	8	8
Number of channels	12	12	6
Pressure setting	20-160 mmHg	20-160 mmHg	20-160 mmHg
Gradient	0-100% continuous setting	0, 10, 20, 30%	0, 10, 20, 30%
Dimensions	320 x 190 x 280 mm		
Weight	7,5 kg		
Mains supply	230 V AC, 50-60 Hz/115 V AC, 50-60 Hz		
Standard accessories	Basic tube 12 Topline	Basic tube 12 Easy	Basic tube 6 Easy

Optional accessories for Lymphastim 12 Easy / 12 Topline

Part number P6000.060	Trousers 24 chambers	Part number P6000.075	Arm 8 chambers - size S
Part number P6000.059	Trousers 24 chambers with velcro	Part number P6000.067	Leg 10 chambers - size L
Part number P6000.071	Trousers 24 chambers with velcro - size XL	Part number P6000.066	Leg 10 chambers - size M
Part number P6000.072	Trousers 24 chambers with zipper		
Part number P6000.065	Arm 8 chambers		

Optional accessories for Lymphastim 6 Easy

Part number P6000.061	Trousers 12 chambers	Part number P6000.063	Leg 6 chambers - size L
Part number P6000.064	Arm 6 chambers	Part number P6000.062	Leg 6 chambers - size M
Part number P6000.074	Arm 6 chambers - size S	Part number P6000.077	Leg 6 chambers - size S

Optional accessories for all units

Part number P6000.034	Interface for 2 arms or legs	Part number P6000.211	Plastic trolley
Part number P6000.070	Extension strip for trousers 24, 12	Part number P6000.073	Extension strip for trousers 24 chambers with zipper
Part number P6000.069	Extension strip for leg applicators - size L	Part number BTL-13.026	BTL-1300 Lymphatic couch
Part number P6000.068	Extension strip for leg applicators - size S,M	Part number T013.025	BTL-1300 Lymphatic couch Basic
Part number P5002.009	Trolley		

CPMOTION™

CONTINUOUS PASSIVE MOTION THERAPY



CPMOTION™

UNIQUE INNOVATIONS & PRACTICAL BENEFITS



HIGH-SPEED MOVEMENT

- Faster movements for improved therapy outcomes and/or decrease of therapy time



ANKLE MODULE

- Ultimate all-in-one solution – single unit for all 3 leg joints



QUICK AND EASY SET-UP

- Unique click system – no manual tightening needed



REMOTE CONTROL WITH TOUCH SCREEN

- Large display shows 5 parameters on one screen



REAL-TIME ANGLE SETTINGS

- Precise real-time patient's threshold angle setting



ADVANCED THERAPY SETTINGS

- 13 automatic preset protocols
- Up to 50 user-defined protocols

CONTINUOUS PASSIVE MOTION THERAPY

Continuous Passive Motion (CPM) devices are used during the first phase of rehabilitation following lower limb joint surgeries or traumas.

The BTL-CPMotion™ device continuously and repeatedly moves the joint through a controlled range of motion. Daily treatment increases the initially limited movement of the joint.

The therapy ensures safe exercise throughout the healing and repair phase of the tissue by providing passive movement, reduces postoperative pain and minimizes chances of inflammation.

MOST COMMON INDICATIONS:

- Total knee/hip replacement
- Arthrotomy and arthroscopy procedures
- Plastic reconstruction of cruciate ligaments
- Surgical treatment of fractures and pseudoarthrosis



TECHNICAL SPECIFICATIONS OF THE BTL-CPMOTION™

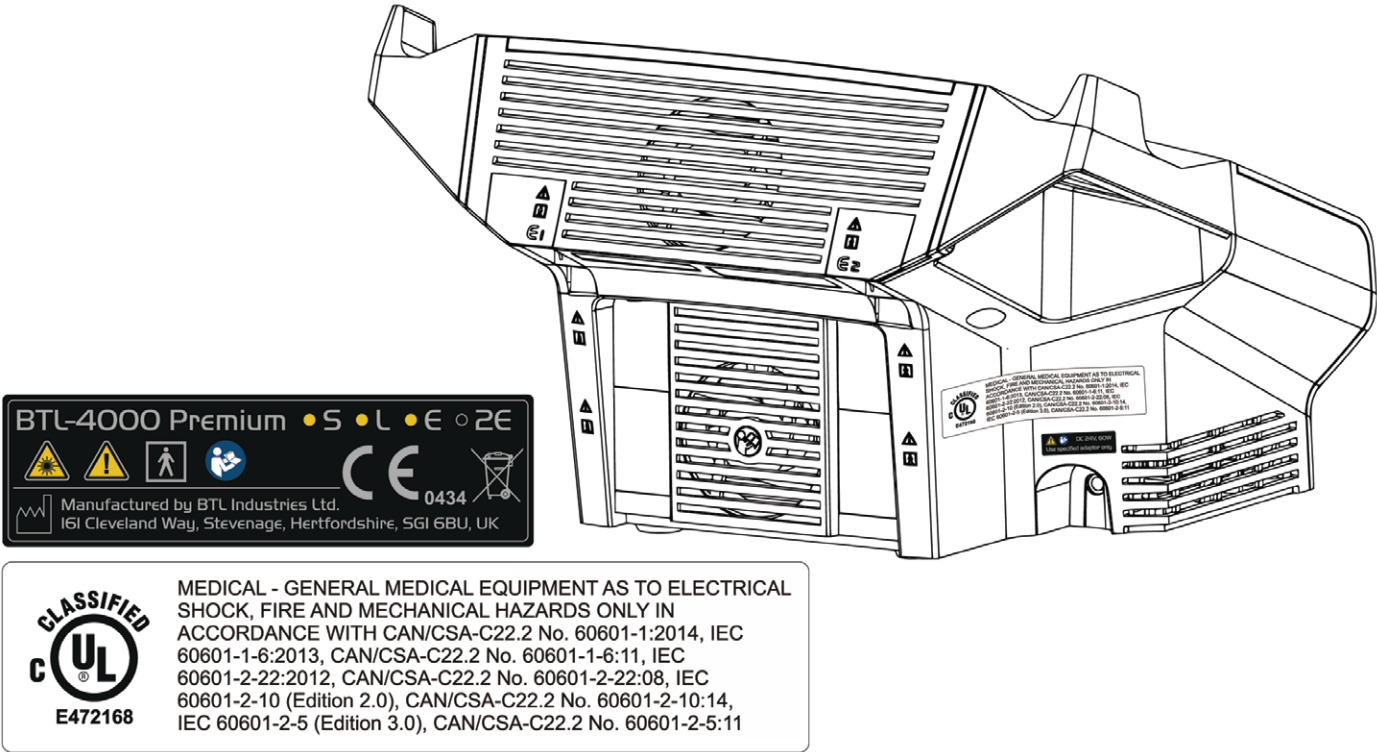
Model	BTL-CPMOTION™ K EASY	BTL-CPMOTION™ K PRO	BTL-CPMOTION™ K ELITE
Part number	P093.001	P093.002	P093.003
User interface	START/STOP remote control	Remote control with touch screen	Remote control with touch screen
Advanced therapy settings		•	•
Preset protocols		•	•
User-defined protocols		•	•
Ankle module		○	•
Ankle extension/flexion			25°/40°
Knee extension/flexion		-10°/123°	
Max. movement speed		380°/min	
Dimensions		390 × 430 × 970 mm	
Weight	11 kg	12 kg	14 kg
Mains supply		100–240 V AC, 50–60 Hz	
Standard accessories	START/STOP remote control	Remote control with touch screen	Ankle module, remote control with touch screen

• Standard | ○ Optional

Optional accessories

Part number P093.015	Trolley
Part number P093.025	Transportation bag
Part number P093.012	Ankle upgrade

CANADIAN ELECTRICAL SAFETY LABELING OF BTL



Health
Canada Santé
Canada

MDALL LICENCES

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