

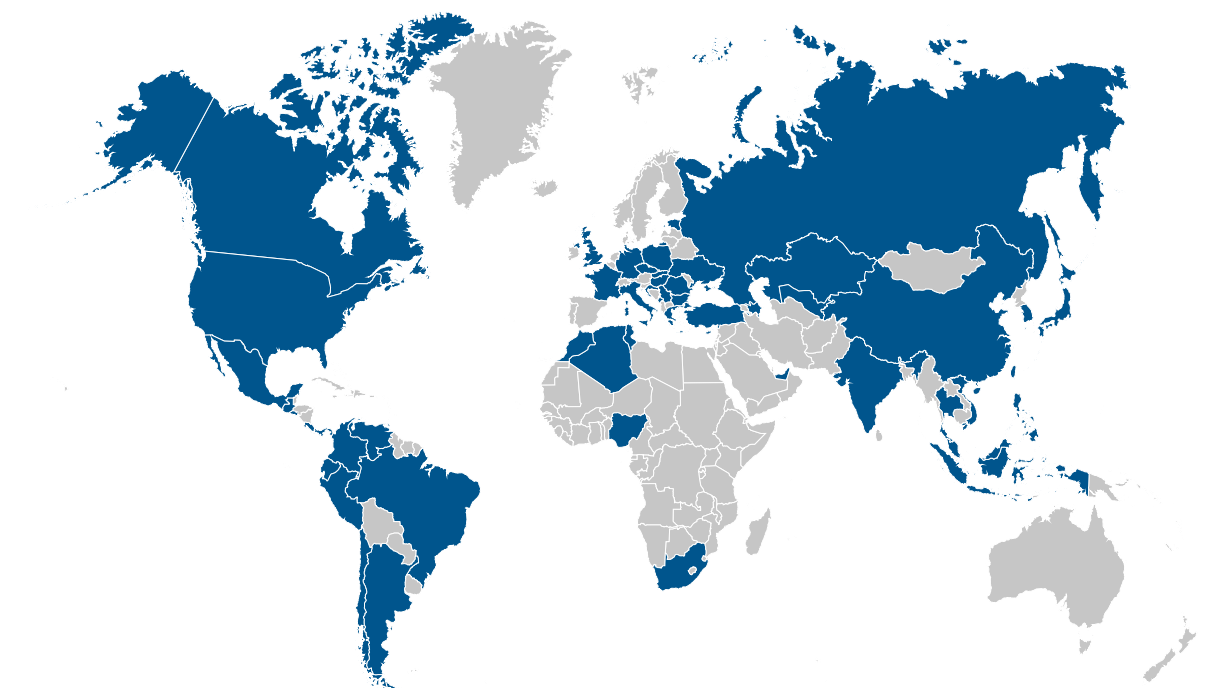


# COMPLETE **PHYSIOTHERAPY** SOLUTIONS



## 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.



54

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

3

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



Over 1100 EMPLOYEES,  
235 R&D ENGINEERS  
and growing.



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



sales@btl.net.com  
www.btl.net.com

Although the author and publisher have made every effort to ensure that the information in this book was correct at press time, the author and publisher do not assume and hereby disclaim any liability to any party for any loss, damage, or disruption caused by errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause. The products and their specifications, as shown in this catalogue, may differ according to the country where they are sold.

# COMPLETE PHYSIOTHERAPY SOLUTIONS

## CONTENT

|   |            |
|---|------------|
| <b>BTL-6000 Shockwave therapy</b>                   | <b>4</b>   |
| <b>BTL-6000 High Intensity Laser</b>                | <b>14</b>  |
| <b>BTL-6000 TR-Therapy</b>                          | <b>24</b>  |
| <b>BTL-6000 Super Inductive System</b>              | <b>34</b>  |
| <b>BTL-5000 Series</b>                              | <b>46</b>  |
| Electrotherapy                                      | 48         |
| Ultrasound  | 50         |
| Laser therapy                                       | 52         |
| Magnetotherapy                                      | 54         |
| <b>BTL-4000 Smart &amp; Premium</b>                 | <b>56</b>  |
| Electrotherapy                                      | 58         |
| Ultrasound  | 62         |
| Handsfree Sono®                                     | 66         |
| Laser therapy                                       | 68         |
| Magnetotherapy                                      | 72         |
| <b>BTL-4000 Professional</b>                        | <b>76</b>  |
| Electrotherapy & Ultrasound                         | 78         |
| Laser therapy & Magnetotherapy                      | 79         |
| <b>Combined units</b>                               | <b>80</b>  |
| BTL-5000 Series                                     | 84         |
| BTL-4000 Smart & Premium                            | 86         |
| BTL-4000 Professional                               | 88         |
| <b>BTL-6000 Shortwave &amp; Microwave Diathermy</b> | <b>90</b>  |
| <b>BTL-6000 Lymphastim</b>                          | <b>96</b>  |
| <b>BTL-CPMotion™</b>                                | <b>102</b> |
| <b>BTL Therapy &amp; Examination Couches</b>        | <b>108</b> |

# SHOCKWAVE THERAPY

FAST PAIN RELIEF  
AND MOBILITY  
RESTORATION



# SHOCKWAVE THERAPY

## FAST AND PERMANENT RELIEF FROM PAIN

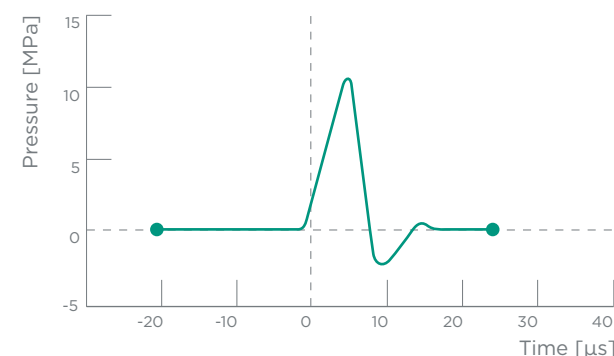
- Unique, non-invasive solution for musculoskeletal pain
- Just three to four treatments needed at weekly intervals
- A therapy session only takes about 10 minutes

## FIELDS OF APPLICATION

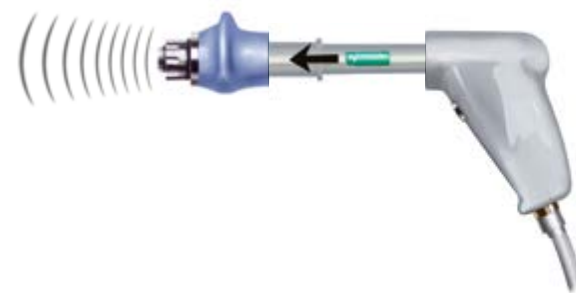
- Orthopedics
- Rehabilitation
- Sports medicine

## MECHANISM OF ACTION

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

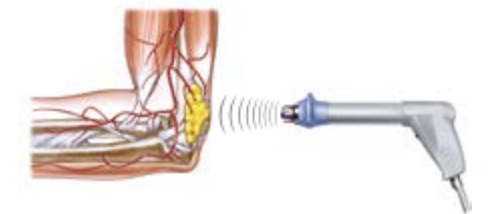
### DECREASE OF MUSCLE TENSION, INHIBITION OF SPASMS

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 afferent nociceptive fibres. 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.



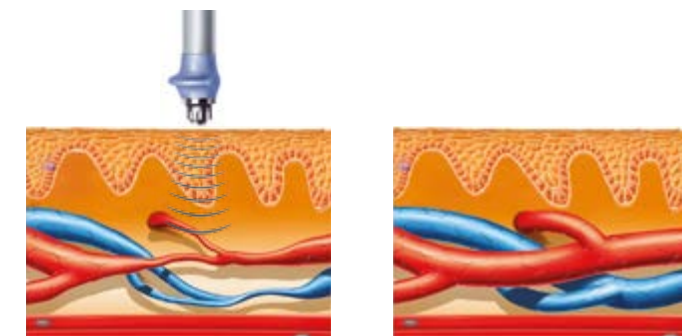
## ACCELERATION OF HEALING

### INCREASE OF COLLAGEN PRODUCTION

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

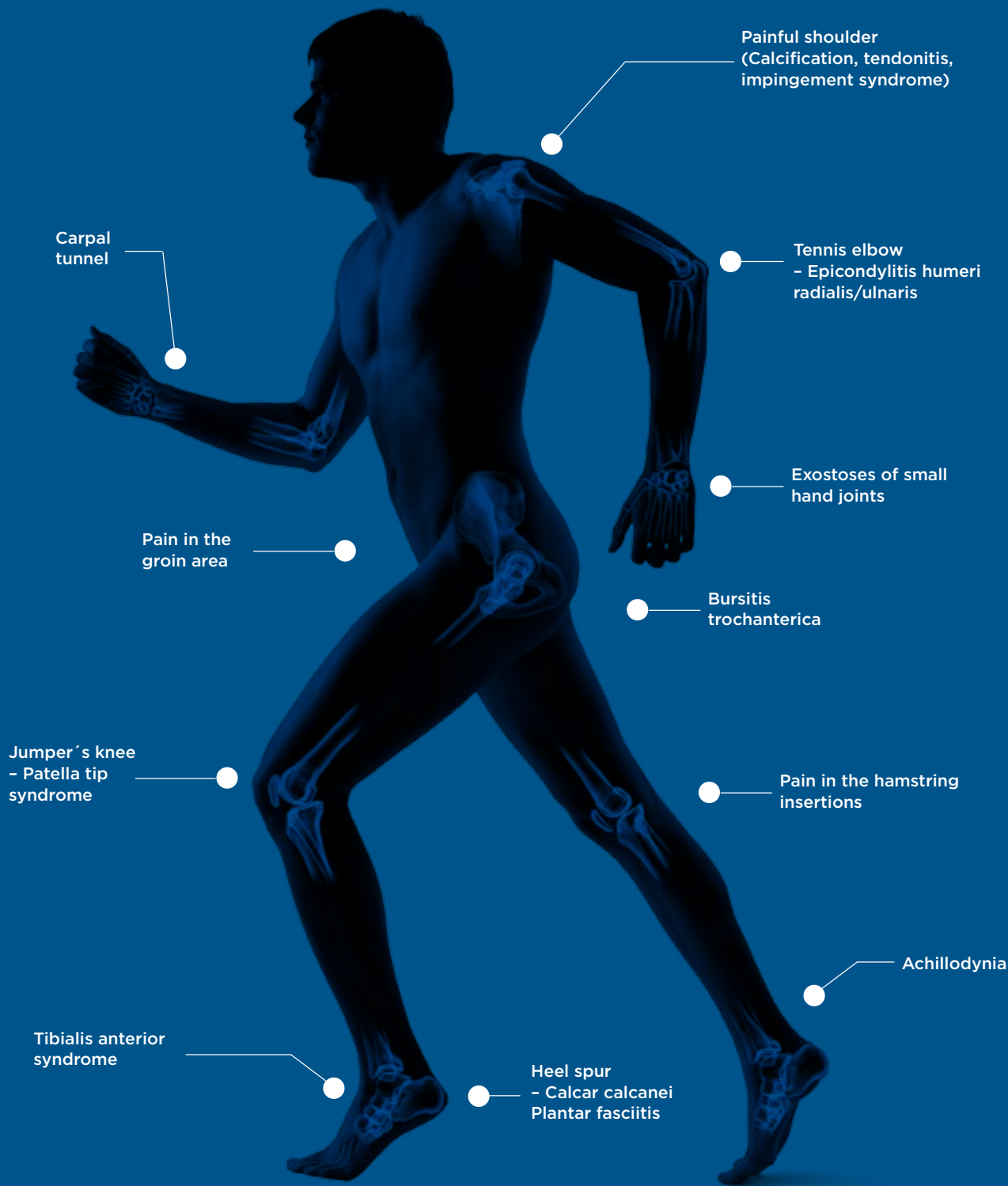
### IMPROVED METABOLISM AND MICROCIRCULATION

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

- Trigger Points
- Chronic enthesopathies



# SIMPLE OPERATION

## JUST 3 STEPS

1. Locate painful spots using palpation
2. Apply gel
3. Deliver shockwaves



Locating the painful spots



Applying the gel



Delivering shockwaves

# THE EASY-TO-USE BTL THERAPEUTIC ENCYCLOPAEDIA

Following the latest medical research, BTL has developed the Shockwave therapeutic encyclopaedia for easy and effective treatment.

|                         |  |
|-------------------------|--|
| Program                 | W-0108 RADIAL/ULNAR EPICONDYLITIS  |
| Therapy parameters      | Type of shocks: continuous<br>Pressure: 2 bar<br>Frequency: 10 Hz<br>Number of shocks: 2000  |
| Patient position        | Lying on back or sitting upright with the arm at a right-angled flexion at the elbow; arm should be comfortably supported, preferably with a soft cushioning pad   |
| Frequency of treatments | 5-10 days  |
| Number of treatments    | 3-5 sessions   |
| Process of treatment    | Manual localization of painful points in the area of radial/ulnar epicondyle and along the related muscle groups of the forearm. Application of gel. Start the therapy with 400 shocks, 2 bar, 5 Hz around the most painful point, subsequently treat the most painful point with approx. 1000 shocks, then apply successively in the related muscle groups of the forearm, last 400 shocks apply with a frequency of 10 Hz. |
| Note                    | Painful points are indicated by the dotted areas in the picture. The arrows indicate the direction of movement of the applicator   |



# 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<br>SWT POWER  | BTL-6000<br>SWT TOPLINE<br>POWER       | BTL-6000<br>SWT TOPLINE  | BTL-6000<br>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<br>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/<br>115 V AC, 50-60 Hz  |  | 100-240 V AC, 50-60 Hz   |                      |
| Standard accessories         | SWT applicator with exchangeable kit<br>Transmitters: 9, 15 mm multi-focused and 15 mm focused, 1 × exchangeable kit, trolley, gel 1000 ml |  | SWT applicator with exchangeable kit<br>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                 |



A REVOLUTION  
IN THERAPEUTIC  
LASER TECHNOLOGY

**HIGH INTENSITY  
LASER**



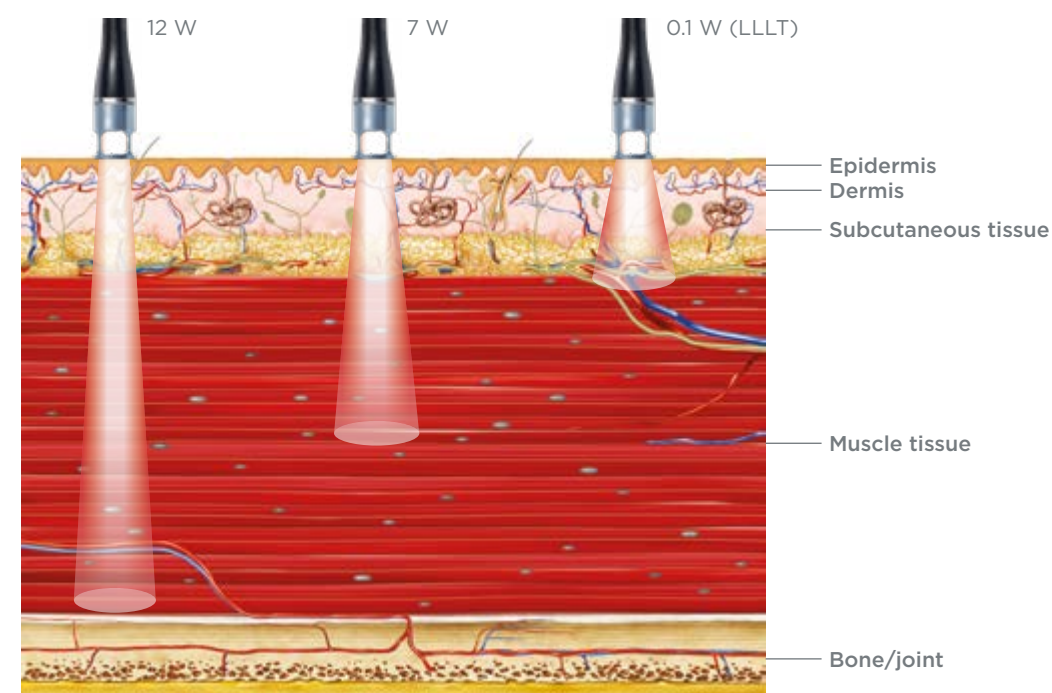
# HIGH INTENSITY LASER

## 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



## LASER LIGHT IN HUMAN TISSUE

The output power is approximately 30–50 times higher compared to the conventional cold laser therapy and is specific with almost unlimited penetration depth. That gives BTL High Intensity Laser ability to stimulate and heal any painful spot in the body. Use of pulsed laser with wavelengths close to 1000 nm creates photomechanical wave in the subcutaneous tissue. This photomechanical stimulation inhibits painful sensation and brings immediate pain relief.

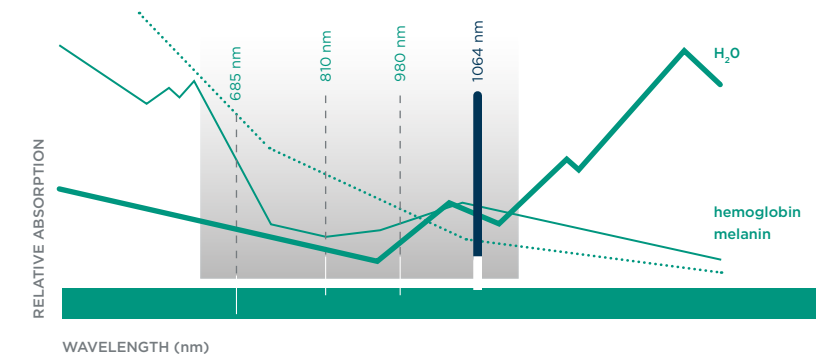
## MEDICAL EFFECTS

### 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.

### 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.



### IMMEDIATE AND LONG LASTING PAIN RELIEF

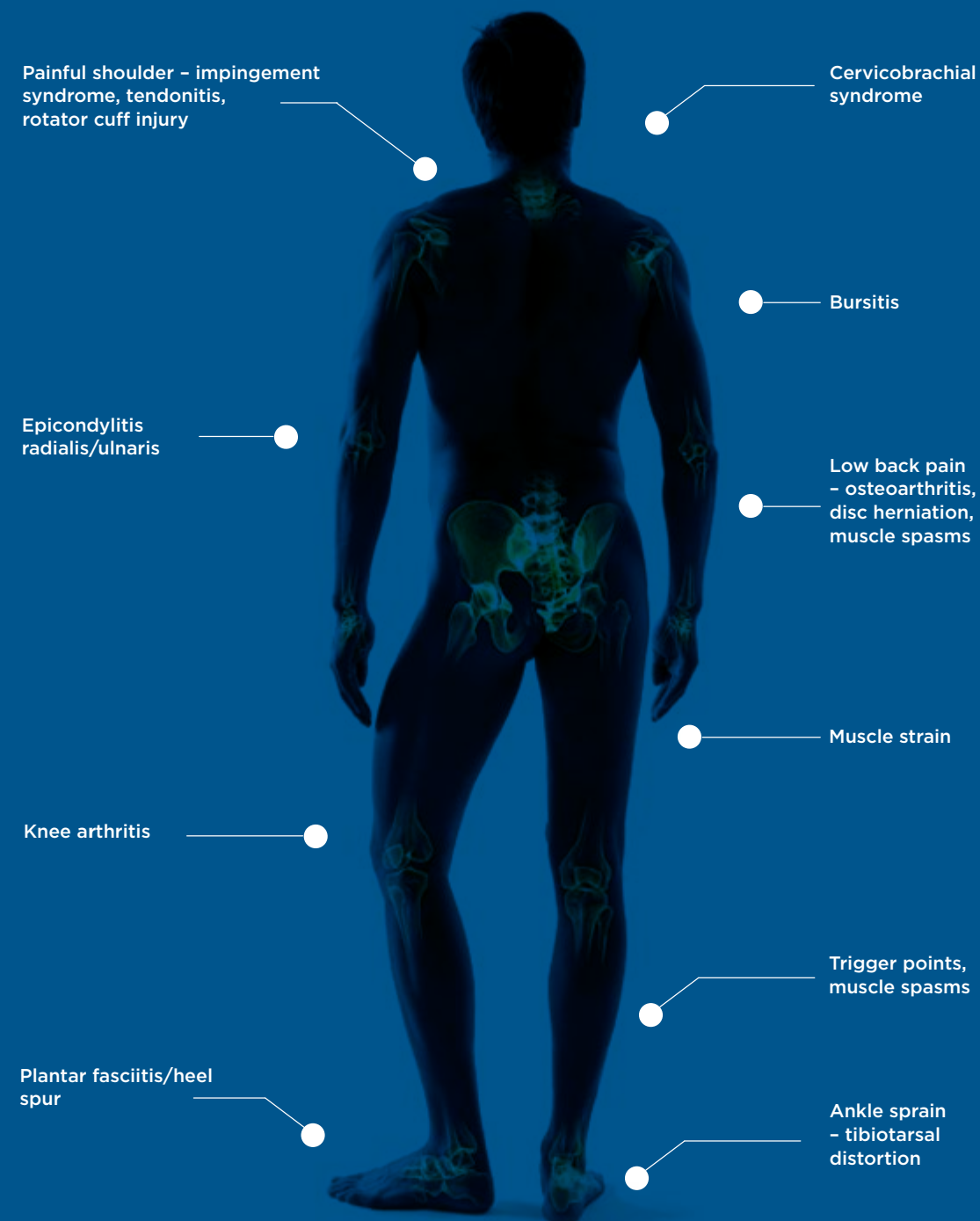
Using laser light wavelengths close to 1000 nm in extremely short pulsed mode gives BTL Laser technology completely new therapeutic feature – ability to create mechanical wave in the tissue. The 1064 nm wavelengths are designed to be extremely well absorbed in liquid based structures. When reaching the 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



# MOST COMMON APPLICATIONS



Painful shoulder



Hip arthrosis



Epicondylitis



Carpal tunnel syndrome



Patellar tendinopathy



Low back pain



Achilles tendonitis



Dorsalgia



# 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



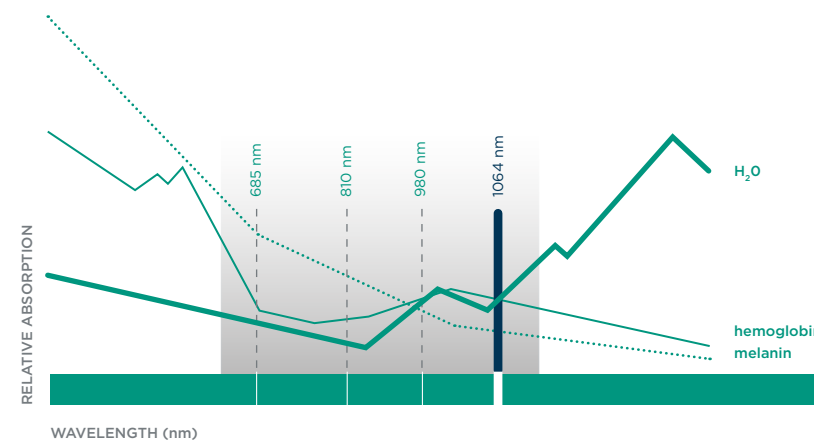
#### Applicator

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



#### Easy operation/portability

- Touchscreen interface
- Preset protocols
- Extreme portability (7 kg)



#### Unique wavelength

- 1064 nm wavelength
- Optimum ratio of absorption and penetration

# 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



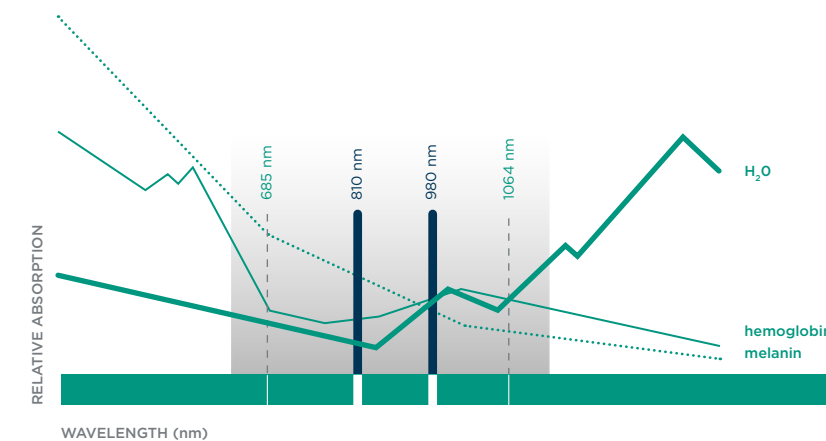
#### Applicator

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



#### Easy operation/portability

- Touchscreen interface
- Preset protocols



#### Dual wavelength

Simultaneous emission of two wavelengths at 810/980 nm

# 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<br>HIGH INTENSITY<br>LASER 12 W   | BTL-6000<br>HIGH INTENSITY<br>LASER 7 W | HIGH INTENSITY<br>LASER 12 W<br>+SWT POWER  | HIGH INTENSITY<br>LASER 7 W<br>+SWT POWER            |
|-------------------------------|--|---|---|--|
| Part number                   | P6000.402  | P6000.401                               | P6000.406   | P6000.405  |
| User interface                | 5.7" colour touch screen   |   |   |  |
| Preset protocols<br>(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<br>simultaneously            | 1064 nm   | 810/980 nm<br>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<br>330×220×300 mm<br>(air compressor)  | 320×190×280 mm<br>330×220×300 mm<br>(air compressor) |
| Mains supply                  | 100-240 V AC, 50-60 Hz   |   | 100-240 V AC, 50-60 Hz<br>230 V AC, 50-60 Hz/115 V AC, 50-60 Hz<br>(air compressor)   |  |
| Standard accessories          | Fibre-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, fibre-optic applicator, footswitch control, calibration block, safety eyewear 2 pieces, safety applicator spacer 30 mm |  |
| 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                                  |





A person is shown from the back, with their head tilted slightly to the left. A hand is holding a white, handheld radiofrequency therapy device against the side of their neck. Another hand is visible near the base of the neck, possibly assisting or stabilizing the area. The entire scene is bathed in a deep blue light, creating a clinical and futuristic atmosphere. The background is dark and out of focus.

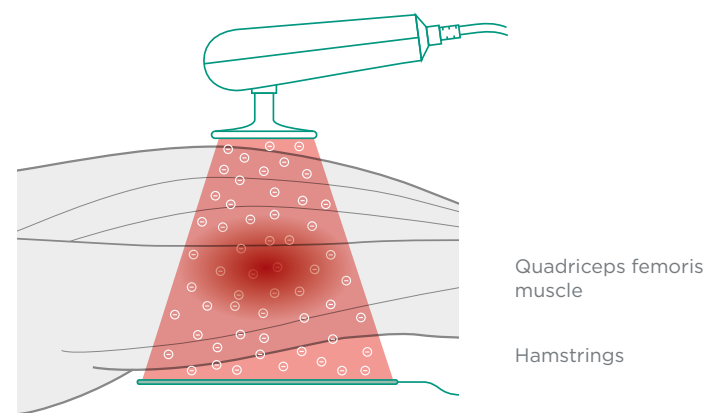
# TARGETED RADIOFREQUENCY THERAPY

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

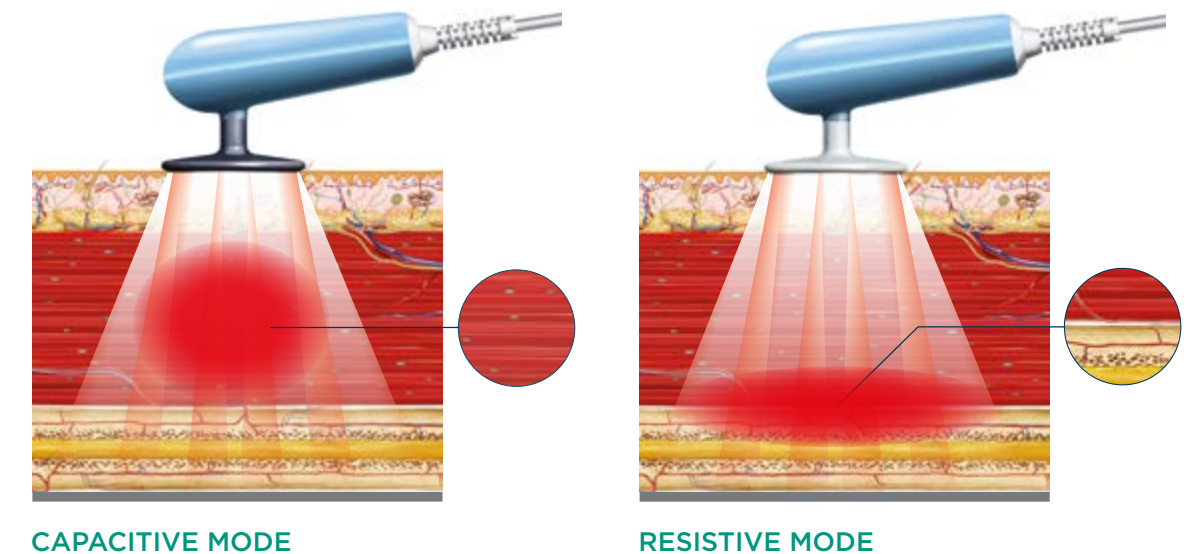
The walls of the arterioles are enlarged and the precapillary sphincters relaxed, allowing increased local blood perfusion. This leads to an increase of the lymphatic processes (drainage) and subsequently to reduction of the edema.

### PAIN RELIEF

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

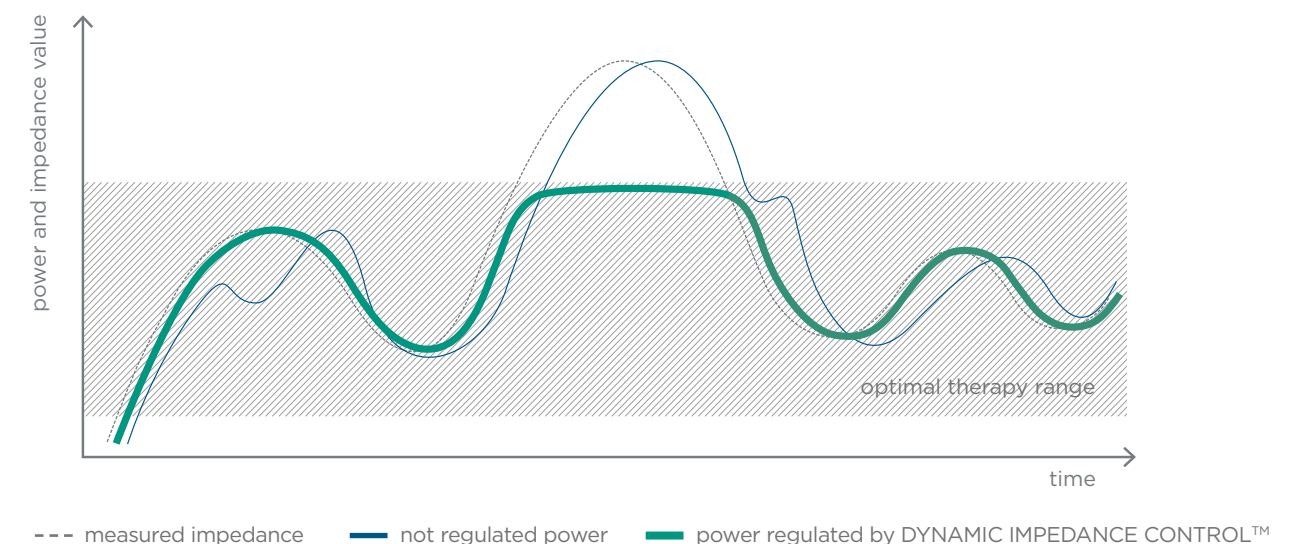
## EXCEPTIONAL TISSUE SELECTIVITY

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.

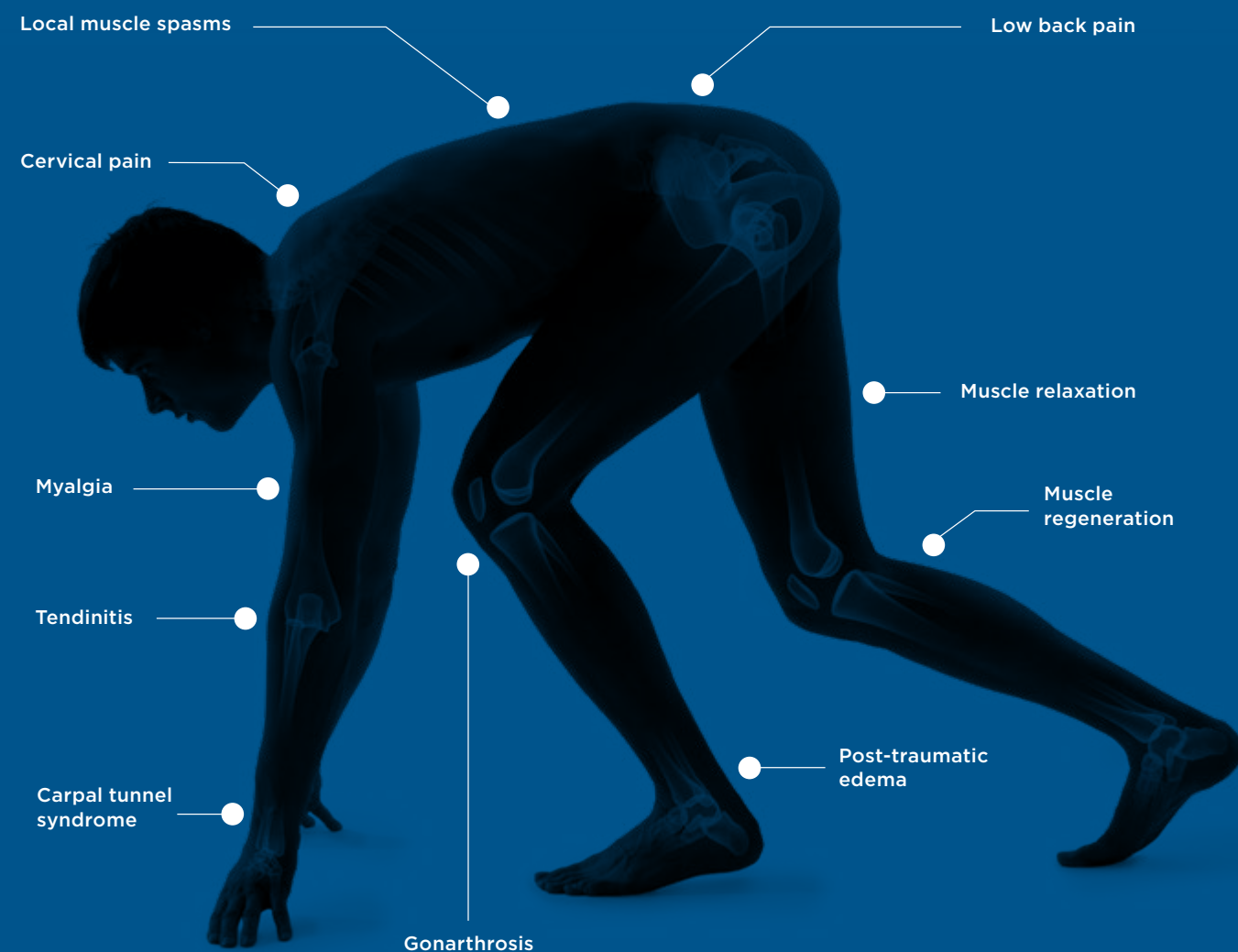


## DYNAMIC IMPEDANCE CONTROL™

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.

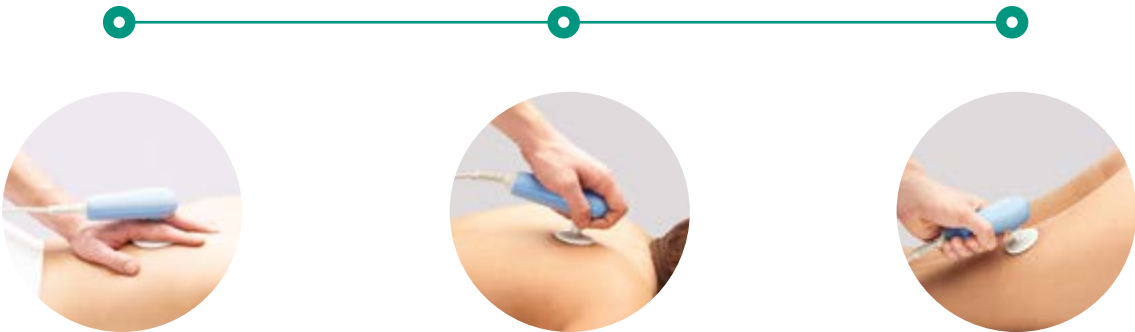




# SUPERIOR APPLICATOR TECHNOLOGY

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.

## VARIOUS HANDLING TECHNIQUES



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



# 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\*



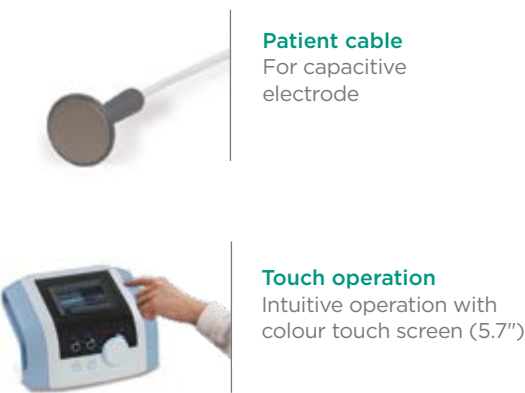
### TECHNICAL SPECIFICATIONS OF THE BTL-6000 TR-THERAPY

| 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  
OUTSTANDING  
THERAPY RESULTS



# SUPER INDUCTIVE SYSTEM

## CUTTING-EDGE TECHNOLOGY

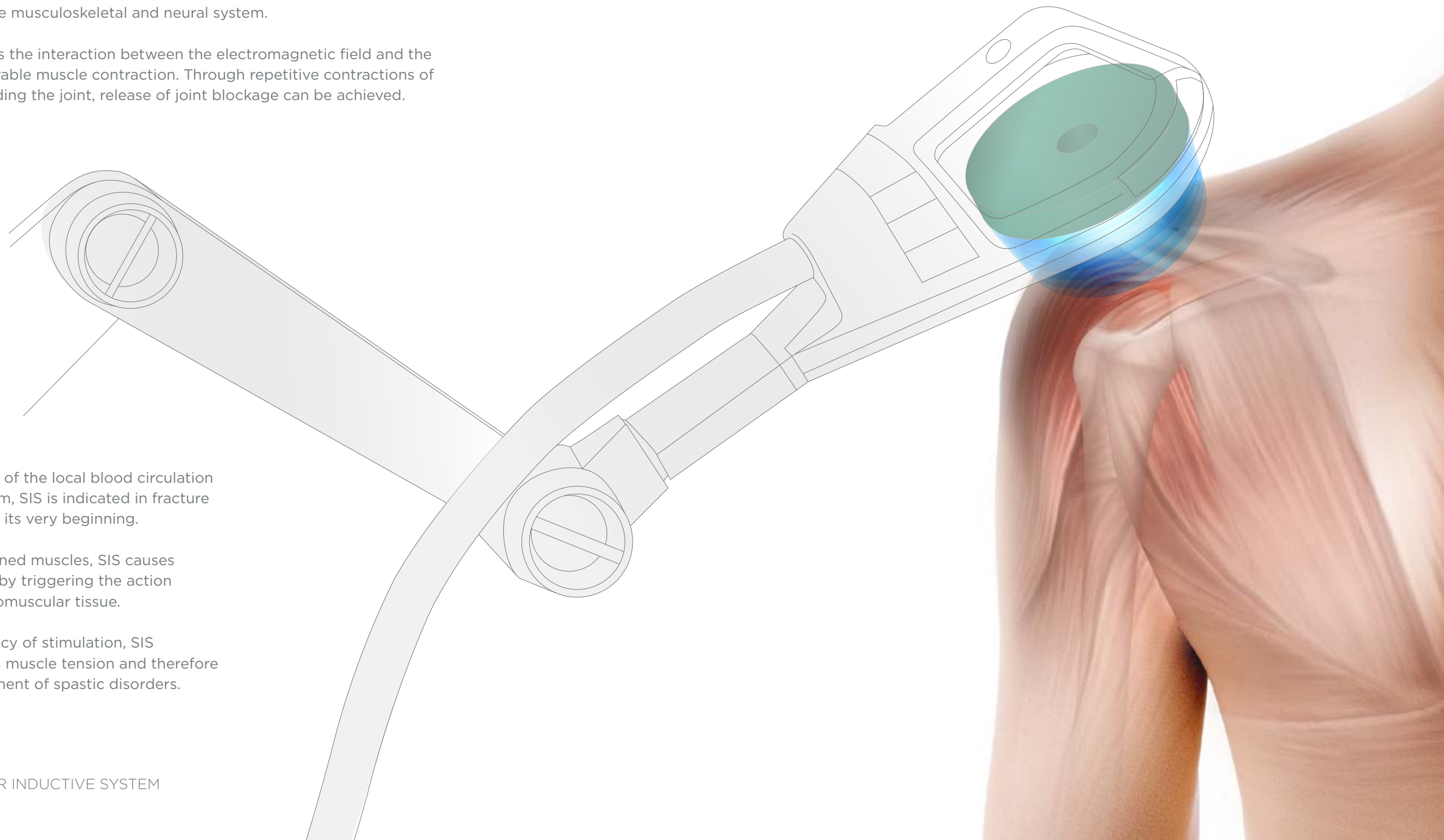
BTL presents an innovative therapy - the „Super Inductive System“ (SIS). The technology is based on high intensity electromagnetic field, which positively influences the human tissue. Therapeutic effects include pain relief, fracture healing, myorelaxation, myostimulation and joint mobilization.

- 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.

## MECHANISM OF ACTION

The BTL Super Inductive System technology uses unique high intensity electromagnetic field. The electromagnetic field, induced by a coil placed in the applicator, interacts with the human body and causes depolarization of the neuromuscular tissue. Based on the selected stimulation frequency and electromagnetic field intensity, you can achieve pain relief, joint blockage release, support fracture healing process, relax or strengthen muscles.



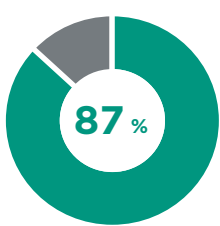
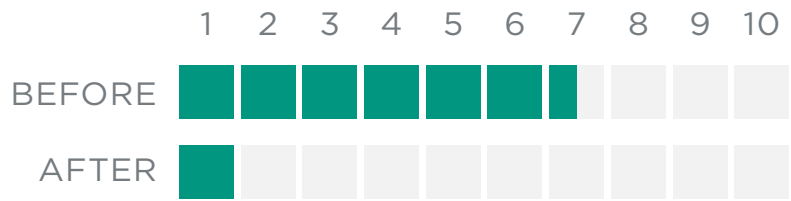
# FREQUENCY-SPECIFIC PAIN MANAGEMENT

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

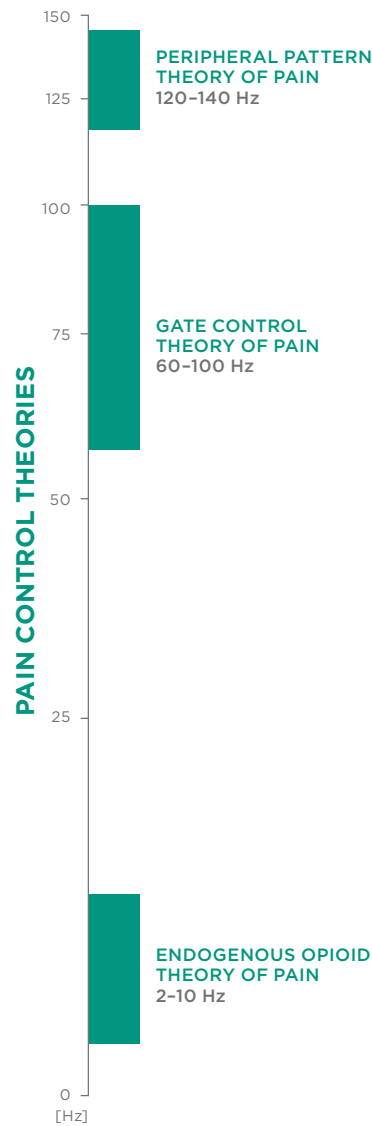
## PAIN REDUCTION DEMONSTRATED ON THE VISUAL ANALOGUE SCALE

## 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, Prof. Repetitive Peripheral Magnetic Stimulation as Pain Management Solution in Musculoskeletal and Neurological Disorders – A Pilot Study



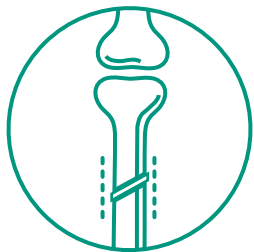


## OTHER MEDICAL EFFECTS



### 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

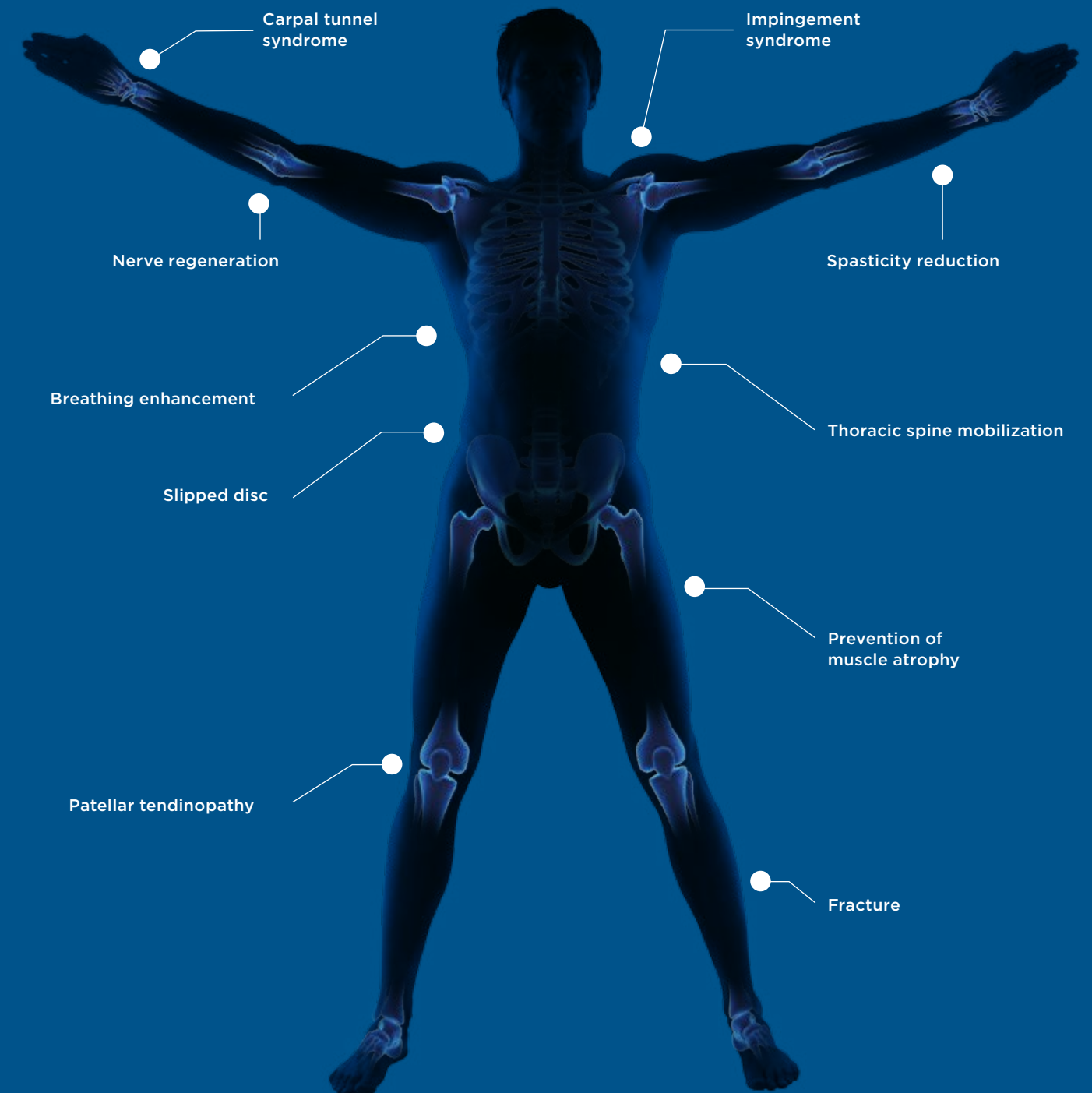
Interaction of the electromagnetic field within neuromuscular tissue, results in nerve depolarization and muscle contractions. Based on the selected stimulation frequency, muscle facilitation or strengthening can be achieved.



### 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
- Focused field applicator
- 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")

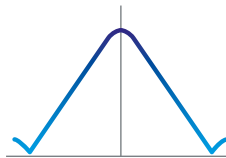


**Six-joint arm**  
Easy applicator  
positioning

# FOCUSED FIELD APPLICATOR

### ELECTROMAGNETIC FIELD DISTRIBUTION

The electromagnetic field emitted by the focus field 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<br>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 accessories   | Six-joint arm, focused field applicator  |



UNIQUE SYSTEMS

LATEST  
TECHNOLOGIES



# BTL-5000 SERIES

The BTL-5000 Series is a state-of-the-art technology that incorporates electrotherapy, ultrasound, laser and magnetotherapy modalities into a single device. The unique modular system, embedded in the BTL-5000, saves money on your capital investment. Select the modalities you currently need, and, as your practice grows, upgrade your BTL-5000 with other modalities.

## MODULAR SYSTEM

- Combine up to four therapies in a single unit:

**ELECTROTHERAPY**  
**ULTRASOUND**  
**LASER THERAPY**  
**MAGNETOTHERAPY**

- Upgrade your device at a later time
- Save on your initial investment



## FULL RANGE OF APPLICATORS AND ACCESSORIES

- Ergonomically designed ultrasound heads
- Large selection of laser probes and clusters for wide range of treatments
- Powerful magnetotherapy applicators
- Vacuum unit
- Compatible with both BTL-5000 series and BTL-4000 Smart & Premium trolley

## 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
- Full-colour encyclopaedia with anatomical images
- Description of therapies and positioning of applicators for treatment protocols



# ELECTROTHERAPY

## BTL-5000 SERIES

The BTL-5000 Series offers up to four-channel electrotherapy units including a full range of low and medium frequency waveforms and their modifications. The unique modular system enables you to upgrade the BTL-5000 electrotherapy with other modalities, as your office grows.

### FEATURES & BENEFITS OF THE BTL-5000 PULS

- Available for later upgrade
- Full range of low and medium frequency waveforms and their modifications
- Programmable sequences
- High Voltage therapy\*
- Constant current and constant voltage modes
- Suitable for combination therapy (simultaneous ultrasound and electrotherapy)
- Connection to the vacuum unit\*
- Trolley\*

#### Accessories for BTL-5000 Puls



## BTL-5625 PULS

- 2 independent electrotherapy channels
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database



## BTL-5645 PULS

- 4 independent electrotherapy channels
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database

### TECHNICAL SPECIFICATIONS OF THE BTL-5000 PULS

| Model                   | BTL-5620 PULS                   | BTL-5625 PULS                 | BTL-5640 PULS                 | BTL-5645 PULS                 |
|-------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Part number             | P5620.101                       | P5625.101                     | P5640.103                     | P5645.103                     |
| User interface          | 8.4"/5.7" colour touch screen   | 8.4"/5.7" colour touch screen | 8.4"/5.7" colour touch screen | 8.4"/5.7" colour touch screen |
| Patient database        | •                               | •                             | •                             | •                             |
| Electrotherapy channels | 2                               | 2                             | 4                             | 4                             |
| Electrodiagnostics      |                                 | •                             | •                             | •                             |
| Waveforms**             | basic                           | extended                      | basic                         | extended                      |
| Dimensions              | 230 x 390 x 260 mm              |                               |                               |                               |
| Weight                  | 4.7-5.3 kg                      |                               |                               |                               |
| Mains supply            | 230 V, 50-60 Hz/115 V, 50-60 Hz |                               |                               |                               |

\*optional

\*\*basic: galvanic, DD currents, Träbert, Faradic, Neofaradic, pulses: exponential, exponential with rise, rectangular, stimulation, triangular, combined; Russian stimulation, TENS, sequences, 2-pole IF, 4-pole IF

\*\*extended: basic, trapezoid pulses, isoplanar and vector field, interrupted pulses, Leduc current, H-wave, mid-frequency surges, spastic stimulation-Hufschmidt (for BTL-5625 Puls \*\*extended+microcurrent)

#### Optional accessories

|                       |   |                       |  |
|-----------------------|---|-----------------------|--|
| Part number P5600.007 | Electrode 7x5 cm - 2 mm input, 1 pc.                        | Part number P5600.015 | Ball-point attachment for BTL-4000/5000 - 6 mm in diameter   |
| Part number P5600.008 | Electrode 12x8 cm - 2 mm input, 1 pc.                       | Part number P5600.001 | Patient cable for electrotherapy BTL-5000/4000 Professional  |
| Part number P006.014  | Sponge cover for electrodes 7x5 cm, 1 pc.                   | Part number P5600.002 | Dual patient cable for electrotherapy BTL-5000/4000 Professional                                       |
| Part number P006.016  | Sponge cover for electrodes 12x8 cm, 1 pc.                  | Part number P5600.003 | 1 pair of electrode connection cables for electrotherapy BTL-5000/4000 Professional, light grey, 1.2 m |
| Part number P5600.023 | Adhesive electrodes 75x140 mm, nonwoven (4 per package)     | Part number P5600.004 | 1 pair of electrode connection cables for electrotherapy BTL-5000/4000 Professional, dark grey, 1.2 m  |
| Part number P5600.026 | Adhesive electrodes 32 mm, nonwoven (4 per package)         | Part number P5600.024 | Set of fixation straps for electrodes, 4 pairs (1 pair long, 1 pair middle sized, 2 pairs short)       |
| Part number P5600.027 | Adhesive electrodes 50 mm, nonwoven (4 per package)         | Part number P5600.013 | Holder for ball-point electrode for BTL-4000/5000  |
| Part number P5600.028 | Adhesive electrodes 40x40 mm, foam (4 per package)          | Part number P5000.060 | Colour version of BTL-5000 with TFT 8.4" touch screen  |
| Part number P5600.029 | Adhesive electrodes 50x50 mm, foam (4 per package)          | Part number P5600.017 | High-voltage therapy (HVT) set for BTL-5000 Series   |
| Part number P5600.010 | Bipolar vaginal electrode                                   |                       |  |
| Part number P5600.011 | Bipolar rectal electrode                                    |                       |  |
| Part number P5600.014 | Ball-point attachment for BTL-4000/5000 - 2 mm in diameter  |                       |  |
| Part number P2000.001 | Plastic trolley for BTL-4000 Smart/Premium, BTL-5000 Series |                       |  |

# ULTRASOUND

## BTL-5000 SERIES

The BTL-5000 Series ultrasound features up to two independent ultrasound channels. The multi-frequency ultrasound heads are supplied in two sizes, and are equipped with visual and acoustic contact control. The ergonomic shape of the heads increases operators' comfort during the therapy.

### Accessories for BTL-5000 Sono



Ultrasound head 5 cm<sup>2</sup>    Ultrasound head 1 cm<sup>2</sup>



## BTL-5710 SONO

- 1-channel ultrasound
- Simultaneous connection of 2 ultrasound heads
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database



## BTL-5720 SONO

- 2-channel ultrasound
- Simultaneous connection of 4 ultrasound heads
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database

### FEATURES & BENEFITS OF THE BTL-5000 SONO

- Available for later upgrade
- Suitable for combination therapy (simultaneous ultrasound and electrotherapy)
- Ergonomic heads with visual patient contact indicator
- Multi-frequency applicators: 1 and 3 MHz available
- Trolley\*

### TECHNICAL SPECIFICATIONS OF BTL-5000 SONO

| Model                                    | BTL-5720 SONO  | BTL-5710 SONO   |
|--|--|---|
| Part number                              | P5720.102  | P5710.102   |
| User interface                           | 8.4"/5.7" colour touch screen  | 8.4"/5.7" colour touch screen   |
| Patient database                         | •  | •   |
| Number of independent channels           | 2  | 1   |
| Number of heads simultaneously connected | 4  | 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/cm <sup>2</sup> /3 W/cm <sup>2</sup>   | 2 W/cm <sup>2</sup> /3 W/cm <sup>2</sup>  |
| Dimensions                               | 380 × 190 × 260 mm   |   |
| Weight                                   | 4.7-5.3 kg   |   |
| Mains supply                             | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz  |   |
| Standard accessories                     | 2x ultrasound head 5 cm <sup>2</sup> , gel 300 ml, left and right holder for accessories | Ultrasound head 5 cm <sup>2</sup> , gel 300 ml, left and right holder for accessories |

\* optional

### Optional accessories

|                       |   |                       |   |
|-----------------------|---|-----------------------|---|
| Part number P5700.001 | Ultrasound head 1 cm <sup>2</sup> for BTL-4000/5000 | Part number P5000.060 | Colour version of BTL-5000 with TFT 8.4" touch screen       |
| Part number P5700.002 | Ultrasound head 5 cm <sup>2</sup> for BTL-4000/5000 | Part number P2000.001 | Plastic trolley for BTL-4000 Smart/Premium, BTL-5000 Series |
| Part number P007.010  | Ultrasound gel 300 ml                               | Part number P2000.007 | Ultrasound/laser applicator holder for plastic trolley      |
| Part number P007.011  | Ultrasound gel 1 l                                  |                       |   |
| Part number P2000.002 | Holder for ultrasound gel for plastic trolley       |                       |   |



# LASER THERAPY

## BTL-5000 SERIES

The BTL-5000 Series offers a wide range of infrared and red probes and clusters for laser therapy with power of up to 1800 mW. All the therapy parameters can be easily set on the colour touch screen of the device. Based on detailed research and practical use of the unit, well organised preset protocols offer various therapy recommendations. The unit also includes free file folders to define your own protocols. The wide variability of functions and applicators offers limitless possibilities for practitioners.

Accessories for BTL-5000 Laser



### BTL-5110 LASER

- 1-channel laser
- Simultaneous connection of 2 applicators
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database

### FEATURES & BENEFITS OF THE BTL-5000 LASER

- Available for later upgrade
- Power of up to 1800 mW
- Two outputs for simultaneous connection of two laser applicators
- Wide range of red, infrared and combined laser probes and clusters
- Continuous and pulsed therapy options
- Automatic recalculation of therapy parameters
- Laser acupuncture and Nogier frequencies
- Trolley\*

### TECHNICAL SPECIFICATIONS OF THE BTL-5000 LASER

| Model  | BTL-5110 LASER                        |
|--|---------------------------------------|
| Part number                                    | P5110.102                             |
| User interface                                 | 8.4"/5.7" colour touch screen         |
| Patient database                               | •                                     |
| Number of independent channels                 | 1                                     |
| Number of applicators simultaneously connected | 2                                     |
| Modes  | Continuous, pulsed                    |
| Dosage   | 0.1-100 J/cm <sup>2</sup>             |
| Frequency                                      | 0-10 000 Hz                           |
| Therapy area                                   | 0.1-100 cm <sup>2</sup>               |
| Duty factor                                    | 35-90%, 100%                          |
| Laser class                                    | 3B                                    |
| Dimensions                                     | 230×390×260 mm                        |
| Weight   | 4.7-5.3 kg                            |
| Mains supply                                   | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz |
| Standard accessories                           | Left and right holder for accessories |

\*optional

#### Optional accessories

|                       |  |                      |  |
|-----------------------|--|----------------------|--|
| Part number P5100.008 | Safety eyewear, protection level L3 or higher, plastic | Part number L448.000 | Probe 685nm/30mW   |
| Part number L449.006  | Optical attachment for dentistry                       | Part number L448.020 | Probe 685nm/50mW   |
| Part number L449.007  | Optical attachment for ENT                             | Part number L448.004 | Probe with additional light 830nm/50mW                                 |
| Part number P2000.001 | Plastic trolley for BTL-4000                           | Part number L448.005 | Probe with additional light 830nm/100mW                                |
|                       | Smart/Premium, BTL-5000 Series                         | Part number L448.006 | Probe with additional light 830nm/200mW                                |
| Part number L449.008  | Optical attachment for gynaecology                     | Part number L448.007 | Probe with additional light 830nm/300mW                                |
| Part number L449.009  | Optical attachment for gynaecology with rounded end    | Part number L448.010 | Probe with additional light 830nm/400mW                                |
| Part number L449.005  | Holder for optical attachment                          | Part number L445.001 | Infrared cluster 830 nm/800 mW total output, blue navigation           |
| Part number P5000.060 | Colour version of BTL-5000 with TFT 8.4" touch screen  | Part number L445.002 | Infrared cluster 830 nm/1600 mW total output, blue navigation          |
| Part number P2000.007 | Ultrasound/Laser applicator holder for Plastic trolley | Part number L445.003 | Red cluster 685 nm/200 mW total output                                 |
| Part number L449.013  | Holder for laser cluster and acupuncture set           | Part number L445.004 | Combined cluster 685 nm & 830 nm/1000 mW total output, blue navigation |
| Part number P5100.003 | Acupuncture set for BTL-4000/BTL-5000                  | Part number L445.005 | Combined cluster 685 & 835 nm/1800 mW total output, blue navigation    |



# MAGNETOTHERAPY

## BTL-5000 SERIES

Featuring up to four independent channels, the BTL-5000 Series represents powerful magnetotherapy system. The magnetotherapy applicators are equipped with the Focused Magnetic Field Technology™. This integrated system enhances the operator’s safety, while preserving the constant therapeutic effect for the patient.

### Accessories for BTL-5000 Magnet



## BTL-5920 MAGNET

- 2 independent magnetotherapy channels
- Simultaneous connection of 2 applicators
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database



## BTL-5940 MAGNET

- 4 independent magnetotherapy channels
- Simultaneous connection of 4 applicators
- Large 8.4" colour touch screen\*
- Preset protocols and therapeutic encyclopaedia
- Patient database

### FEATURES & BENEFITS OF THE BTL-5000 MAGNET

- Available for later upgrade
- Focused Magnetic Field (FMF) Technology™
- Pulsed Magnetic Field (PMF) - rectangular, exponential, sine and triangular pulses
- Comfortable and lightweight applicators
- Trolley\*

### TECHNICAL SPECIFICATIONS OF THE BTL-5000 MAGNET

| Model  | BTL-5920 MAGNET                                     | BTL-5940 MAGNET                                    |
|--|---|--|
| Part number                                    | P5920.101   | P5940.101  |
| User interface                                 | 8.4"/5.7" colour touch screen                       | 8.4"/5.7" colour touch screen                      |
| Patient database                               | •   | •  |
| Number of independent channels                 | 2   | 4  |
| Number of applicators simultaneously connected | 2   | 4  |
| Maximum intensity of magnetic field            | 128 mT  | 128 mT   |
| Frequency range                                | 0-166 Hz  | 0-166 Hz   |
| Dimensions                                     | 230 × 390 × 260 mm                                  |  |
| Weight   | 4.7-5.3 kg  |  |
| Mains supply                                   | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz               |  |
| Standard accessories                           | 2 × extension cables for magnetotherapy applicators | 4 × extension cables for magnetotherapy applicator |

\* optional

#### Optional accessories

|                       |   |                       |  |
|-----------------------|---|-----------------------|--|
| Part number P5900.001 | Disc applicator   | Part number P5900.014 | Belt for magnetic applicator (disc) 60 cm                    |
| Part number P5900.002 | Double disc applicator                                      | Part number P5900.015 | Belt for magnetic applicator (double disc) 85 cm             |
| Part number P5900.003 | Multi disc applicator                                       | Part number P5900.016 | Belt for magnetic applicator (multi disc) 190 cm             |
| Part number P5900.004 | Linear applicator   | Part number P5900.007 | Extension cable for magnetic applicators                     |
| Part number P5900.005 | Solenoid 30 cm  | Part number P5000.060 | Colour version of BTL-5000 Series with TFT 8.4" touch screen |
| Part number P5900.006 | Solenoid 60 cm  |                       |  |
| Part number P5900.013 | Applicator ring   |                       |  |
| Part number P2000.001 | Plastic trolley for BTL-4000 Smart/Premium, BTL-5000 Series |                       |  |
| Part number P5900.017 | Couch with magnetotherapy applicator (Solenoid 70 cm)       |                       |  |

# 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 RANGE OF THERAPY OPTIONS



TECHNICAL SPECIFICATIONS OF THE BTL-4000 SMART & PREMIUM ELECTROTHERAPY

| Model                            | BTL-4620<br>SMART   | BTL-4625<br>SMART           | BTL-4620<br>PREMIUM       | BTL-4625<br>PREMIUM       |
|----------------------------------|---|-----------------------------|---------------------------|---------------------------|
| Part number                      | P2620.401   | P2625.402                   | P2620.701                 | P2625.701                 |
| User interface                   | 4.3" colour<br>touch screen   | 4.3" colour<br>touch screen | 7" colour touch<br>screen | 7" colour touch<br>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<br>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



## 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\*

### 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   |



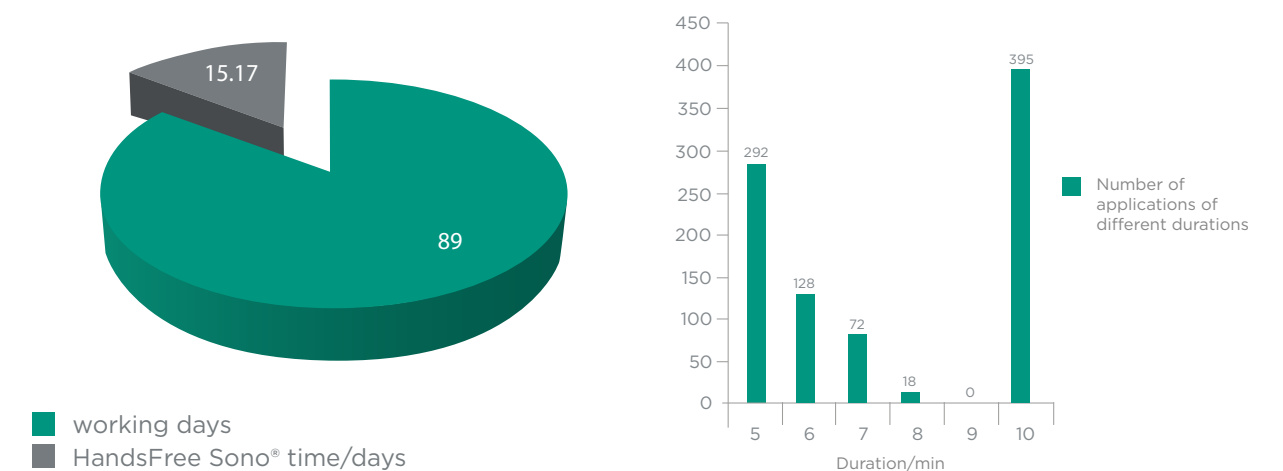
# ULTRASOUND

## 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.



\*Timesaving data collected at Rehabilitation Center Kladruby, Czech Republic



# 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 × 190 × 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 cm<sup>2</sup>, 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 <sup>2</sup> | 0.1-100 J/cm <sup>2</sup> |
| Frequency                                 | 0-10 000 Hz               | 0-10 000 Hz               |
| Therapy area                              | 0.1-100 cm <sup>2</sup>   | 0.1-100 cm <sup>2</sup>   |
| 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                     |                       |   |

# MAGNETOTHERAPY

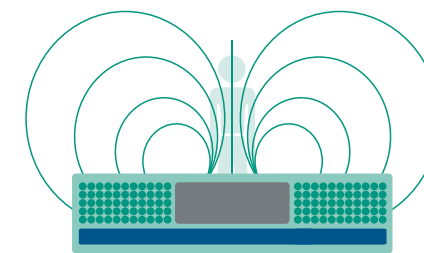
## HIGH PERFORMANCE AND SAFETY

Magnetotherapy employs effects of the magnetic component of the electromagnetic field. The well-known effects include pain relief and acceleration of healing.

To increase the operator's safety the Focused Magnetic Field (FMF) Technology™ is integrated in all BTL magnetotherapy applicators. The FMF Technology™ screens off the magnetic field from the operator's side of the applicator. While the patient benefits from the magnetotherapy during the treatment, the therapist is not exposed to the magnetic field.

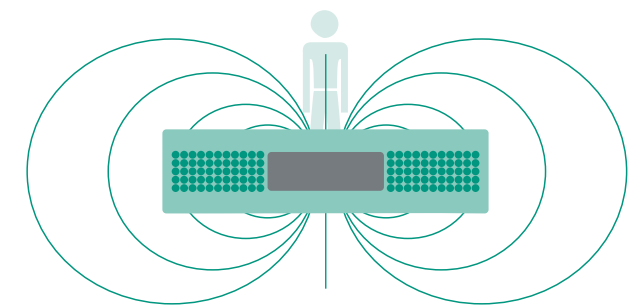
A wide range of applicators for magnetotherapy is available. Disc applicators are suitable mostly for extremities while the big solenoids are used for therapies in the trunk region.

FMF TECHNOLOGY™



- FMF Technology™ Magnetic Applicator
- Stationary Magnetic Field Generator
  - Dynamic Pulsed Magnetic Field Generator
  - FMF Reflector

STANDARD TECHNOLOGY



- Standard Magnetic Applicator
- Stationary Magnetic Field Generator
  - Dynamic Pulsed Magnetic Field Generator

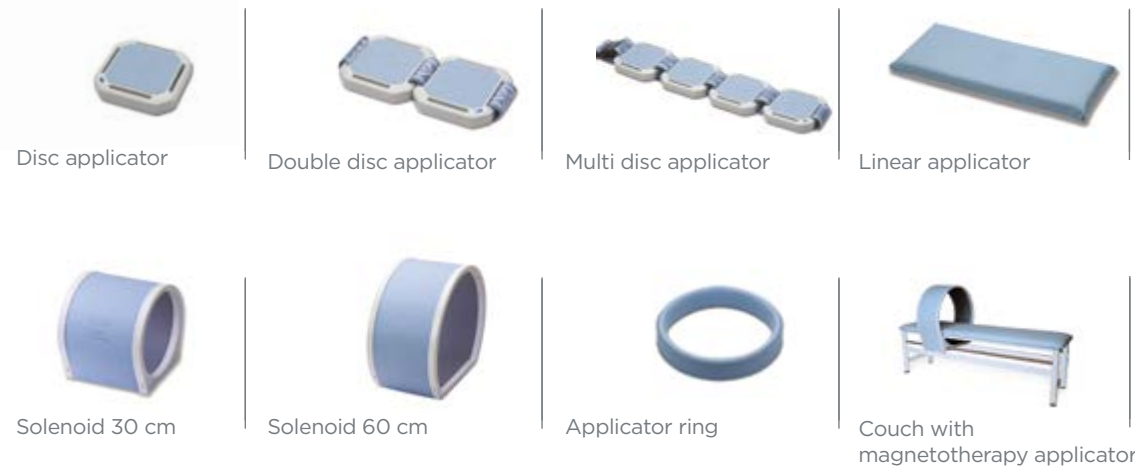
# MAGNETOTHERAPY

## VERSATILE POSSIBILITIES

### WITH FOUR-CHANNEL UNIT

The BTL-4000 Smart and the BTL-4000 Premium feature up to 4 magnetotherapy channels in one unit and a large selection of powerful magnetotherapy applicators. All of them are equipped with the unique FMF Technology™ providing maximum safety for operators. To start the therapy, choose from the preset therapeutic protocols or use the manual mode for advanced parameter settings.

#### 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
- Up to 4-channel magnetotherapy units



## BTL-4000 SMART

- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Up to 4-channel magnetotherapy units

#### FEATURES & BENEFITS OF THE BTL-4000 SMART & PREMIUM MAGNETOTHERAPY

- Focused Magnetic Field (FMF) Technology™
- Pulsed Magnetic Field (PMF) – rectangular, exponential, sine and triangular pulses
- User-defined series of magnetic pulses
- Comfortable and lightweight applicators
- Trolley\*

\*optional

#### TECHNICAL SPECIFICATIONS OF THE BTL-4000 SMART & PREMIUM MAGNETOTHERAPY

| Model                               | BTL-4920 SMART           | BTL-4940 SMART           | BTL-4920 PREMIUM       | BTL-4940 PREMIUM       |
|-------------------------------------|--------------------------|--------------------------|------------------------|------------------------|
| Part number                         | P2920.401                | P2940.401                | P2920.701              | P2940.701              |
| 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                    |                          |                          | •                      | •                      |
| Number of output channels           | 2                        | 4                        | 2                      | 4                      |
| Maximum intensity of magnetic field | 128 mT                   | 128 mT                   | 128 mT                 | 128 mT                 |
| Frequency range                     | 0-166 Hz                 | 0-166 Hz                 | 0-166 Hz               | 0-166 Hz               |
| Dimensions                          | 380 × 190 × 260 mm       |                          |                        |                        |
| Weight                              | Max. 3 kg                |                          |                        |                        |
| Mains supply                        | 100-240 V AC, 50-60 Hz   |                          |                        |                        |

#### Optional accessories

|                       |   |                       |   |
|-----------------------|---|-----------------------|---|
| Part number P5900.001 | Disc applicator                                       | Part number P5900.014 | Belt for magnetic applicator (disc) 60 cm                     |
| Part number P5900.002 | Double disc applicator                                | Part number P5900.015 | Belt for magnetic applicator (double disc) 85 cm              |
| Part number P5900.003 | Multi disc applicator                                 | Part number P5900.016 | Belt for magnetic applicator (multi disc) 190 cm              |
| Part number P5900.004 | Linear applicator                                     | Part number P5900.007 | Extension cable for magnetic applicators                      |
| Part number P5900.005 | Solenoid 30 cm  | Part number P2000.006 | Carry bag   |
| Part number P5900.006 | Solenoid 60 cm  | Part number P2000.001 | Plastic trolley for BTL -4000 Smart/Premium, BTL -5000 Series |
| Part number P5900.013 | Applicator ring                                       |                       |   |
| Part number P5900.017 | Couch with magnetotherapy applicator (Solenoid 70 cm) |                       |   |



# BTL-4000

## PROFESSIONAL

Maintaining a full variety of functions, the BTL-4000 Professional provides an economical concept for electrotherapy, ultrasound, laser and magnetotherapy.

### PORTABILITY AND BATTERY OPERATION

- Easy manipulation
- Lightweight battery-operated devices

### TWO DISPLAYS

- Graphic display
- Digital display to depict time and intensity

### FULL RANGE OF APPLICATORS AND ACCESSORIES

- Ergonomically designed ultrasound heads
- Large selection of laser probes and clusters for a wide range of treatments
- Powerful magnetotherapy applicators
- Vacuum unit
- Trolley

### THERAPEUTIC PROTOCOLS

- Extensive library of preset protocols for easy and effective application





# ELECTROTHERAPY

## TECHNICAL SPECIFICATIONS OF THE BTL-4000 ELECTROTHERAPY PROFESSIONAL

| Model                   | BTL-4610 PULS PROFESSIONAL   | BTL-4620 PULS PROFESSIONAL  | BTL-4625 PULS PROFESSIONAL |
|-------------------------|--|---|----------------------------|
| Part number             | P4610.002  | P4620.002   | P4625.002                  |
| User interface          | 3.2"   | 3.2"  | 3.2"                       |
| Electrotherapy channels | 1  | 2   | 2                          |
| Waveforms*              | basic  | basic   | extended                   |
| Dimensions              | 160×140×350 mm   |   |                            |
| Weight                  | Max. 3 kg  |   |                            |
| Mains supply            | 100-240 V AC, 50-60 Hz   |   |                            |
| Standard accessories    | 1×patient cable, 1 pair of electrode connection cables, 2×electrode 5×7 cm, sponge covers, fixation straps | 2×patient cable, 2 pairs of electrode connection cables, 4×electrode 5×7 cm, sponge covers, fixation straps |                            |

\*basic: Galvanic, DD currents, Träbert, Faradic, neofaradic, pulses: exponential, exponencial with rise, rectangular, stimulation, trapezoid, triangular, combided; Russian stimulation, TENS, NPHV, sequences, 2-pole IF, (for BTL-4620 Puls Professional \*basic + 4-pole IF)  
\*extended: \*basic, 4-pole IF, isoplanar and vector field, interrupted pulses, Leduc current, H-wave, microcurrent, mid-frequency surges

### Optional accessories

|                       |   |                       |  |
|-----------------------|---|-----------------------|--|
| Part number P5600.007 | Electrode 7×5 cm - 2 mm input, 1 pc.                              | Part number P5600.001 | Patient cable for electrotherapy BTL-5000/4000 Professional  |
| Part number P5600.008 | Electrode 12×8 cm - 2 mm input, 1 pc.                             | Part number P5600.002 | Dual patient cable for electrotherapy BTL-5000/4000 Professional                                       |
| Part number P006.014  | Sponge cover for electrodes 7×5 cm, 1 pc.                         | Part number P5600.003 | 1 pair of electrode connection cables for electrotherapy BTL-5000/4000 Professional, light grey, 1.2 m |
| Part number P006.016  | Sponge cover for electrodes 12×8 cm, 1 pc.                        | Part number P5600.004 | 1 pair of electrode connection cables for electrotherapy BTL-5000/4000 Professional, dark grey, 1.2 m  |
| Part number P5600.023 | Adhesive electrodes 75×140 mm, nonwoven (4 per package)           | Part number P5600.024 | Set of fixation straps for electrodes, 4 pairs (1 pair long, 1 pair middle sized, 2 pairs short)       |
| Part number P5600.026 | Adhesive electrodes 32 mm, nonwoven (4×)                          | Part number P5600.013 | Holder for ball-point electrode for BTL-4000/5000  |
| Part number P5600.027 | Adhesive electrodes 50 mm, nonwoven (4×)                          | Part number P4000.005 | Carry bag for BTL-4000   |
| Part number P5600.028 | Adhesive electrodes 40×40 mm, foam (4×)                           | Part number P5002.012 | Trolley for BTL-4000 Professional  |
| Part number P5600.029 | Adhesive electrodes 50×50 mm, foam (4×)                           |                       |  |
| Part number P5600.010 | Bipolar vaginal electrode   |                       |  |
| Part number P5600.011 | Bipolar rectal electrode  |                       |  |
| Part number P5600.014 | Ball-point attachment for BTL-4000/5000 Series - 2 mm in diameter |                       |  |
| Part number P5600.015 | Ball-point attachment for BTL-4000/5000 Series - 6 mm in diameter |                       |  |

# ULTRASOUND

## TECHNICAL SPECIFICATIONS OF THE BTL-4000 SONO PROFESSIONAL

| Model                                    | BTL-4710 SONO PROFESSIONAL        |
|--|-----------------------------------|
| Part number                              | P4710.002                         |
| User interface                           | 3.2"                              |
| Number of independent channels           | 1                                 |
| Number of heads simultaneously connected | 2                                 |
| Modular frequency                        | 10-150 Hz                         |
| Duty factor                              | 6.25%, 12.5%, 25%, 50%, 100%      |
| Max. intensity in continuous mode        | 2 W/cm²                           |
| Max. intensity in pulsed mode            | 3 W/cm²                           |
| Dimensions                               | 160×140×350 mm                    |
| Weight                                   | Max. 3 kg                         |
| Mains supply                             | 100-240 V AC, 50-60 Hz            |
| Standard accessories                     | Ultrasound head 5 cm², gel 300 ml |

### Optional accessories

|                       |  |                       |                                   |
|-----------------------|--|-----------------------|-----------------------------------|
| Part number P5700.001 | Ultrasound head 1 cm² for BTL-4000/5000 Series | Part number P007.010  | Ultrasound gel 300 ml             |
| Part number P5700.002 | Ultrasound head 5 cm² for BTL-4000/5000 Series | Part number P007.011  | Ultrasound gel 1 l                |
|                       |  | Part number P4000.005 | Carry bag for BTL-4000            |
|                       |  | Part number P5002.012 | Trolley for BTL-4000 Professional |

# LASER THERAPY

## TECHNICAL SPECIFICATIONS OF THE BTL-4000 LASER PROFESSIONAL

| Model  | BTL-4110 LASER PROFESSIONAL |
|--|-----------------------------|
| Part number                                    | P4110.002                   |
| User interface                                 | 3.2"                        |
| Number of applicators simultaneously connected | 2                           |
| Modes  | Continuous and pulsed       |
| Dosage   | 0.1-100 J/cm²               |
| Frequency                                      | 0-10 000 Hz                 |
| Therapy area                                   | 0.1-100 cm²                 |
| Duty factor                                    | 5-100%                      |
| Laser class                                    | 3B                          |
| Dimensions                                     | 160×140×350 mm              |
| Weight   | Max. 3 kg                   |
| Mains supply                                   | 100-240 V AC, 50-60 Hz      |

### Optional accessories

|                       |  |                       |  |
|-----------------------|--|-----------------------|--|
| Part number P5100.008 | Safety eyewear, protection level L3 or higher, plastic | Part number L448.006  | Probe with additional light 830 nm/200 mW                              |
| Part number L449.006  | Optical attachment for dentistry                       | Part number L448.007  | Probe with additional light 830 nm/300 mW                              |
| Part number L449.007  | Optical attachment for ENT                             | Part number L448.010  | Probe with additional light 830 nm/400 mW                              |
| Part number P5002.012 | Trolley for BTL-4000 Professional                      | Part number L445.001  | Infrared cluster 830 nm/800 mW total output, blue navigation           |
| Part number L449.008  | Optical attachment for gynaecology                     | Part number L445.002  | Infrared cluster 830 nm/1600 mW total output, blue navigation          |
| Part number L449.009  | Optical attachment for gynaecology with rounded end    | Part number L445.003  | Red cluster 685 nm/200 mW total output                                 |
| Part number L449.005  | Holder for optical attachment                          | Part number L445.004  | Combined cluster 685 nm & 830 nm/1000 mW total output, blue navigation |
| Part number P4000.005 | Carry bag for BTL-4000                                 | Part number L445.005  | Combined cluster 685 & 835 nm/1800 mW total output, blue navigation    |
| Part number L448.000  | Probe 685 nm/30 mW                                     | Part number P5100.003 | Acupuncture set for BTL-4000/BTL-5000                                  |
| Part number L448.020  | Probe 685 nm/50 mW                                     |                       |  |
| Part number L448.004  | Probe with additional light 830 nm/50 mW               |                       |  |
| Part number L448.005  | Probe with additional light 830 nm/100 mW              |                       |  |

# MAGNETOTHERAPY

## TECHNICAL SPECIFICATIONS OF THE BTL-4000 MAGNET PROFESSIONAL

| Model  | BTL-4920 MAGNET PROFESSIONAL                      |
|--|---|
| Part number                                    | P4920.002   |
| User interface                                 | 3.2"  |
| Number of independent channels                 | 2   |
| Number of applicators simultaneously connected | 2   |
| Maximum intensity of magnetic field            | 128 mT  |
| Frequency range                                | 0-166 Hz  |
| Dimensions                                     | 160×140×350 mm                                    |
| Weight   | Max. 3 kg   |
| Mains supply                                   | 100-240 V AC, 50-60 Hz                            |
| Standard accessories                           | 2×extension cables for magnetotherapy applicators |

### Optional accessories

|                       |   |                       |  |
|-----------------------|---|-----------------------|--|
| Part number P5900.001 | Disc applicator                                       | Part number P5900.014 | Belt for magnetic applicator (disc) 60 cm        |
| Part number P5900.002 | Double disc applicator                                | Part number P5900.015 | Belt for magnetic applicator (double disc) 85 cm |
| Part number P5900.003 | Multi disc applicator                                 | Part number P5900.016 | Belt for magnetic applicator (multi disc) 190 cm |
| Part number P5900.004 | Linear applicator                                     | Part number P5900.007 | Extension cable for magnetic applicators         |
| Part number P5900.005 | Solenoid 30 cm  | Part number P4000.005 | Carry bag for BTL-4000                           |
| Part number P5900.006 | Solenoid 60 cm  | Part number P5002.012 | Trolley for BTL-4000                             |
| Part number P5900.013 | Applicator ring                                       |                       |  |
| Part number P5900.017 | Couch with magnetotherapy applicator (Solenoid 70 cm) |                       |  |

# 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-5000 SERIES

## COMBINED UNITS



|   |                              |   |   |   |
|---|------------------------------|---|---|---|
| <b>BTL-5816SLM COMBI</b><br>Part number P5816.129 | 1-interferential<br>basic    | 1 | 1 | 1 |
| <b>BTL-5818SLM COMBI</b><br>Part number P5818.129 | 1-interferential<br>extended | 1 | 1 | 1 |
| <b>BTL-5820SL COMBI</b><br>Part number P5820.101  | 2<br>basic                   | 1 | 1 |   |
| <b>BTL-5825SL COMBI</b><br>Part number P5825.101  | 2<br>extended                | 1 | 1 |   |
| <b>BTL-5820S COMBI</b><br>Part number P5820.103   | 2<br>basic                   | 1 |   |   |
| <b>BTL-5825S COMBI</b><br>Part number P5825.103   | 2<br>extended                | 1 |   |   |
| <b>BTL-5825L COMBI</b><br>Part number P5825.105   | 2<br>extended                |   | 1 |   |
| <b>BTL-5825M2 COMBI</b><br>Part number P5825.123  | 2<br>extended                |   |   | 2 |
| <b>BTL-5800SL COMBI</b><br>Part number P5800.101  |                              | 1 | 1 |   |
| <b>BTL-5800LM2 COMBI</b><br>Part number P5800.119 |                              |   | 1 | 2 |

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

# BTL-5000 SERIES

## ELECTROTHERAPY

## ULTRASOUND

## LASER THERAPY

## MAGNETOTHERAPY

### BTL-5000 COMBI

- Unique modular system
- Large colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database

### FEATURES AND BENEFITS OF THE BTL-5818SLM COMBI UNIT

- Wide spectrum of waveforms
- Vacuum unit\*
- Multi-frequency ultrasound applicators
- Suitable for combination therapy
- Wide range of laser probes and clusters
- Powerful magnetotherapy applicators

\*optional

### Accessories for BTL-5000 Series



| Model   | Electrotherapy | Ultrasound | Laser | Extended<br>waveforms |
|---|----------------|------------|-------|-----------------------|
| <b>BTL-5818SLM COMBI</b><br>Part number P2825.781 | •              | •          | •     | •                     |
| <b>BTL-5816SLM COMBI</b><br>Part number P2820.781 | •              | •          | •     |                       |





# BTL-4000

## SMART & PREMIUM

### COMBINED UNITS



|   |               |   |     |
|---|---------------|---|-----|
| <b>BTL-4820SL PREMIUM</b><br>Part number P2820.781  | 2<br>basic    | 1 | 1   |
| <b>BTL-4825SL PREMIUM</b><br>Part number P2825.781  | 2<br>extended | 1 | 1   |
| <b>BTL-4820S SMART</b><br>Part number P2820.471     | 2<br>basic    | 1 |     |
| <b>BTL-4825S SMART</b><br>Part number P2825.471     | 2<br>extended | 1 |     |
| <b>BTL-4820S PREMIUM</b><br>Part number P2820.771   | 2<br>basic    | 1 |     |
| <b>BTL-4825S PREMIUM</b><br>Part number P2825.771   | 2<br>extended | 1 |     |
| <b>BTL-4820L SMART</b><br>Part number P2820.481     | 2<br>basic    |   | 1   |
| <b>BTL-4825L SMART</b><br>Part number P2825.481     | 2<br>extended |   | 1   |
| <b>BTL-4825M2 SMART</b><br>Part number P2825.452    | 2<br>extended |   | 2   |
| <b>BTL-4825M2 PREMIUM</b><br>Part number P2825.752  | 2<br>extended |   | 2   |
| <b>BTL-4800SL SMART</b><br>Part number P2800.400    |               | 1 | 1   |
| <b>BTL-4800LM2 SMART</b><br>Part number P2800.451   |               |   | 1 2 |
| <b>BTL-4800LM2 PREMIUM</b><br>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 |
|--|----------------|------------|-------|--------------------|
| <b>BTL-4825SL PREMIUM</b><br>Part number P2825.781 | •              | •          | •     | •                  |
| <b>BTL-4820SL PREMIUM</b><br>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



|  |                              |   |
|--|------------------------------|---|
| <b>BTL-4816S COMBI PROFESSIONAL</b><br>Part number P4816.004 | 1-interferential             | 1 |
| <b>BTL-4818S COMBI PROFESSIONAL</b><br>Part number P4818.004 | 1-interferential<br>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 |
|--|----------------|------------|--------------------|
| <b>BTL-4818S COMBI PROFESSIONAL</b><br>Part number P4818.004 | •              | •          | •                  |
| <b>BTL-4816S COMBI PROFESSIONAL</b><br>Part number P4816.004 | •              | •          |                    |

# ELECTROTHERAPY VACUUM UNITS

## VACUUM UNIT OF THE SECOND GENERATION

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



## VACUUM UNIT OF THE FIRST GENERATION

|                   |                               |
|-------------------|-------------------------------|
| <b>Model</b>      | <b>BTL Vac</b>                |
| Part number       | PVAC.001                      |
| Number of outputs | 2                             |
| Modes             | Continuous, pulsed            |
| Pulse frequency   | 15, 30, 45, 60 pulses/minute  |
| Dimensions        | 320 × 115 × 305 mm            |
| Weight            | 6.8 kg                        |
| Mains supply      | 230 V/50-60 Hz/115 V/50-60 Hz |



# SHORTWAVE & MICROWAVE DIATHERMY

THERAPIES FOR  
WIDE RANGE OF  
APPLICATIONS



# SHORTWAVE DIATHERMY

The BTL-6000 Shortwave is a state-of-the-art device for high-frequency heat therapy. The use of high-frequency energy for heat therapy has the advantage of a greater penetration depth in contrast with conventional methods, such as hot packs, baths or infrared light. The heating effect of the electrodes for the inductive and capacitive methods of application is fundamentally different.

## CAPACITIVE APPLICATORS

- The body part being treated is located in the high-frequency electric field between two insulated electrodes.
- Mainly heats tissues with low blood circulation (e.g. connective tissues).

## INDUCTIVE APPLICATORS

- Produces high-frequency electric currents within the body tissue by means of induction.
- Most effective for tissues with good blood circulation (e.g. muscle tissue and inner organs).

## FREEDOM OF MOVEMENT

- **SIX-JOINT ARMS FOR ALL TREATMENT POSITIONS**  
From achillodynia to neck pain.



**Easy applicator change**  
A single click setup, no assembling required.



**Fully adjustable**  
360° rotation in 2 joints.

# BTL-6000 SHORTWAVE 400

### FEATURES & BENEFITS

- Preset protocols
- Patient database in the unit
- Encyclopaedia with applicator placement images
- User-defined protocols

### BTL-6000 SHORTWAVE 400

- Power up to 400 W for optimal application possibilities
- One-channel capacitive field
- One- or two-channel inductive field
- Colour touchscreen user interface



# BTL-6000 SHORTWAVE 200

### BTL-6000 SHORTWAVE 200

- Power up to 200 W (100 W continuous)
- One- or two-channel inductive field
- Continuous and pulsed mode
- Colour touchscreen user interface

### Applicators for BTL-6000 Shortwave diathermy



Capacitive soft rubber plate applicators



Inductive applicator



Capacitive applicators



# MICROWAVE DIATHERMY

A microwave diathermy is a therapeutic method that applies electromagnetic energy in microwave frequency bands and is intended to generate deep heat within body tissues. The application of moderate heat by microwave diathermy increases blood flow, speeds up metabolism and the rate of ion diffusion across cellular membranes.

## DIFFERENT FIELDS OF APPLICATION

- Rehabilitation
- Orthopedics
- Sports medicine
- Dermatology (wounds, burns and scars)
- Gynecology
- Internal medicine
- Urology

## BTL-6000 MICROWAVE

### BTL-6000 MICROWAVE

- 5.7” touchscreen user interface
- Power up to 250 W for optimal application possibilities
- Continuous and pulsed mode
- Advanced settings for customized treatment

Applicators for BTL-6000 Microwave diathermy:



### TECHNICAL SPECIFICATIONS OF THE BTL-6000 SHORTWAVE & MICROWAVE DIATHERMY

| Model                  | BTL-6000 SHORTWAVE 400                | BTL-6000 SHORTWAVE 200         | BTL-6000 MICROWAVE             |
|------------------------|---------------------------------------|--------------------------------|--------------------------------|
| Part number            | P6000.310                             | P6000.300                      | P6000.601                      |
| User interface         | 5.7" colour touch screen              | 5.7" colour touch screen       | 5.7" colour touch screen       |
| User-defined protocols | •                                     | •                              | •                              |
| Channels               | 1 or 2 inductive/<br>1 capacitive     | 1 or 2 inductive               |                                |
| Modes                  | Continuous, pulsed                    | Continuous, pulsed             | Continuous                     |
| Power                  | 400 W pulsed, 200 W continuous        | 200 W pulsed, 100 W continuous | 250 W                          |
| Pulse frequency        | 50-1500 Hz                            | 50-1500 Hz                     |                                |
| Pulse length           | 50-200 µs                             | 50-200 µs                      |                                |
| Weight                 | 38 kg                                 | 38 kg                          | 45 kg                          |
| Dimensions             | 560 × 980 × 560 mm                    |                                |                                |
| Mains supply           | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz |                                |                                |
| Standard accessories   | Trolley                               | Trolley                        | 6-joint arm, RF cable, trolley |

#### Optional accessories for BTL-6000 SHORTWAVE 400

|                       |   |                       |   |
|-----------------------|---|-----------------------|---|
| Part number P6000.332 | Set of basic accessories for capacitive application | Part number P6000.327 | Cable for capacitive applicator                             |
| Part number P6000.333 | Set of capacitive rubber plate applicators          | Part number P6000.325 | Capacitive soft-rubber plate applicator 12×18cm, with cable |
| Part number P6000.322 | Capacitive applicator 42mm, without cable           | Part number P6000.328 | Felt spacer for soft-rubber plate applicators 12×18 cm      |
| Part number P6000.323 | Capacitive applicator 85mm, without cable           | Part number P5600.024 | Set of fixation straps for plate applicators, 4 pairs       |
| Part number P6000.324 | Capacitive applicator 130mm, without cable          |                       |   |

#### Optional accessories for BTL-6000 MICROWAVE

|                       |                      |                       |                    |
|-----------------------|----------------------|-----------------------|--------------------|
| Part number P6000.611 | Large field radiator | Part number P6000.614 | Contact radiator   |
| Part number P6000.612 | Long radiator        | Part number P6000.616 | Protective glasses |
| Part number P6000.613 | Spot radiator        | Part number P6000.335 | Neon check light   |

#### Optional accessories for BTL-6000 SHORTWAVE & MICROWAVE

|                       |   |                       |                              |
|-----------------------|---|-----------------------|------------------------------|
| Part number P6000.334 | Set of basic accessories for inductive application: 1×6-joint holding arm (right), 1x inductive applicator 140mm with cable | Part number P6000.321 | Inductive applicator 140 mm  |
|                       |   | Part number P6000.320 | Inductive applicator 80 mm   |
|                       |   | Part number P6000.330 | Right arm (incl. arm holder) |
|                       |   | Part number P6000.331 | Left arm                     |

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

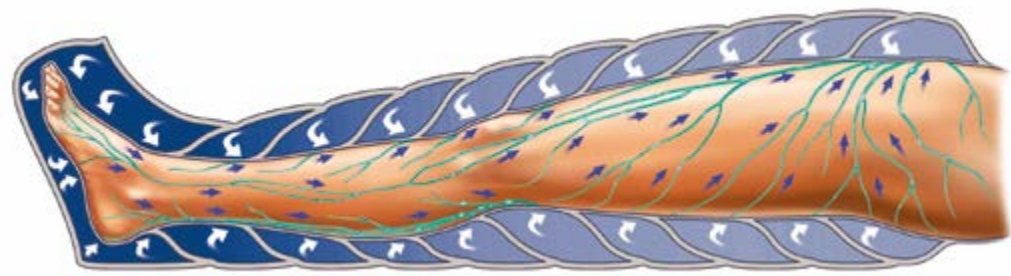
- 12-channel/6-channel economy models with LED interface
- 8 preset programs that can be modified by the user
- Basic pressure gradient and programmable speed setting
- Pressure can be changed during the course of therapy
- Working chamber activity shown on bar graph



# 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/undressing.



#### 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 ergonomic 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   |                        | BTL-1300 Lymphatic couch                             |
| Part number P6000.068 | Extension strip for leg applicators - size S,M | Part number BTL-13.026 | BTL-1300 Lymphatic couch Basic                       |
| Part number P5002.009 | Trolley  | Part number T013.025   |  |



# CPMOTION™

## CONTINUOUS PASSIVE MOTION THERAPY



# 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

# CPMOTION™

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 PARAMETERS



**TECHNICAL SPECIFICATIONS OF THE BTL-CPMOTION™**

| Model                     | BTL-CPMOTION™<br>K EASY   | BTL-CPMOTION™<br>K PRO           | BTL-CPMOTION™<br>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      |



THERAPY &  
EXAMINATION  
COUCHES

MAXIMUM COMFORT  
EASY OPERATION



# THERAPY & EXAMINATION COUCHES

Our couches have been carefully designed with both the patient and a physician in mind. Available in a large range of upholstery colours and accessories, they feature superior stability and durability, high quality artificial leather covers and heavy-duty motors.

## BTL-1300 SERIES

BTL offers a complete series of rehabilitation and examination couches ranging from simple couches with fixed height to six-section electrically adjustable couches.



## BTL-1300 BASIC SERIES

The BTL-1300 Basic series are motor operated couches with a simplified construction but retained superior stability, construction durability and precision-manufacturing.



## BTL-1300 TRACTION COUCH

BTL-1300 Trac couch is specially designed for lumbar and cervical traction, but it may be also used for examination and other forms of therapy. The movable section of the couch makes therapy friction-free, giving the patient maximum muscular relaxation, limiting any unpleasant feelings and facilitating therapy.



# TRACTION THERAPY

## BTL-16 PLUS

- User-friendly digital interface
- Continuous and intermittent traction programs
- User-defined hold, rest and treatment times
- Real-time digital treatment tracking
- Built-in safety features



### Accessories for BTL-16 Plus



### TECHNICAL SPECIFICATIONS OF THE BTL-16 PLUS

| Model                                       | BTL-16 PLUS   |
|---|---|
| Part Number                                 | P616.000  |
| Modes                                       | Continuous, intermittent, harmonized, progressive         |
| Traction force                              | 0-92 kg   |
| Force time/Rest time (intermittent therapy) | 0-99 sec.   |
| Treatment time                              | 0-99 min.   |
| Dimensions W x H x L                        | 295 x 270 x 360 mm  |
| Weight                                      | 13.6 kg   |
| Mains supply                                | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz                     |
| Standard accessories                        | Patient interrupt switch, cervical belt with spreader bar |

### Optional accessories

|                      |  |  |  |
|----------------------|--|--|--|
| Part number T010.028 | Stool with adjustable height for BTL-1300 Trac | Part number P703.000<br>Part number T013.011 | Pelvic and Thoracic traction belts system<br>BTL-1300 Trac couch |
|----------------------|--|--|--|

# ACCESSORIES



**Breathing hole**  
Part number T010.057



**Gas-spring head section adjustment**



**Sanitary paper holder**  
Part number T010.027



**Retractable castors  
Frame switch**  
Part number T013.006

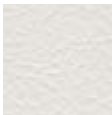


**Retractable castors  
Frame switch for  
BTL-1300 Basic series**  
Part number T013.027



**Hand switch**

# UPHOLSTERY COLOURS



**White**  
Part number  
T010.030



**Grey-blue**  
Part number  
T010.039



**Dark blue**  
Part number  
T010.041



**Vanilla**  
Part number  
T010.048



**Grey**  
Part number  
T010.031



**Light blue**  
Part number  
T010.040



**Navy Blue**  
Part number  
T010.049



**Orange**  
Part number  
T010.034

# EXERCISE ACCESSORIES



**Wedge 40 x 40 x 12 cm**  
Part number T010.024



**Wedge 40 x 40 x 20 cm**  
Part number T010.058



**Cube 45 x 45 x 45 cm**  
Part number T010.026



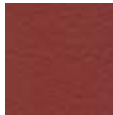
**Roll 60 x ø18**  
Part number T010.025



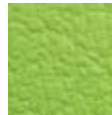
**Half roll 60 x 18 x ø9 cm**  
Part number T010.023



**Yellow (saffron)**  
Part number  
T010.033



**Wine**  
Part number  
T010.036



**Spring Green**  
Part number  
T010.045



**Light green (artificial  
leather texture)**  
Part number  
T010.037



**Red**  
Part number  
T010.035




**Beige**  
Part number  
T010.032




**Dark Green**  
Part number  
T010.038



TECHNICAL SPECIFICATIONS OF THE THERAPY & EXAMINATION COUCHES

| ELECTRICALLY ADJUSTABLE   |                                       |           |                                   |           |           |
|---|---------------------------------------|-----------|-----------------------------------|-----------|-----------|
|   |                                       |           |                                   |           |           |
| Model   | BTL-1300                              | BTL-1300  | BTL-1300                          | BTL-1300  | BTL-1300  |
| SPECIFICATION   |                                       |           |                                   |           |           |
|   | 2-section                             | 3-section | 4-section<br>(split head section) | 5-section | 6-section |
|   | 1-motor                               | 2-motors  | 1-motor                           | 2-motors  | 2-motors  |
| Part number   | T013.000                              | T013.003  | T013.023                          | T013.004  | T013.022  |
| Electric height adjustment  | •                                     | •         | •                                 | •         | •         |
| Electric mid-section adjustment   |                                       | •         |                                   | •         | •         |
| Hand switch   | •                                     | •         | •                                 | •         | •         |
| Gas-spring head section adjustment (backrest adjustment in case of BTL-1300 Bobath) | •                                     | •         | •                                 | •         | •         |
| Standard width (cm)   | 70                                    | 70        | 70                                | 70        | 70        |
| Horizontally movable foot section: 15 cm  |                                       |           |                                   |           |           |
| Folding frame   |                                       |           |                                   |           |           |
| ACCESSORIES   |                                       |           |                                   |           |           |
| Breathing hole  | •                                     | •         | •                                 | •         | •         |
| Face rest for couches with breathing hole   | o                                     | o         | o                                 | o         | o         |
| Retractable castors   | o                                     | o         | o                                 | o         | o         |
| Retractable castors for BTL-1300 Basic  |                                       |           |                                   |           |           |
| Foot switch for height adjust.  | o                                     | o         | o                                 | o         | o         |
| Frame switch for height adjust.   | o                                     | o         | o                                 | o         | o         |
| Frame switch for height adjust. for BTL-1300 Basic                                  |                                       |           |                                   |           |           |
| Extended width: 80 cm   | o                                     |           |                                   |           |           |
| Extended width of Bobath: 120cm   |                                       |           |                                   |           |           |
| Gas-spring foot section adjustment/sitting adjustment for BTL-1300                  |                                       | o         |                                   | o         | •         |
| Safety switch   | o                                     | o         | o                                 | o         | o         |
| Sanitary paper holder   | o                                     | o         | o                                 | o         | o         |
| Stool with adjustable height  |                                       |           |                                   |           |           |
| Mains supply  | 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz |           |                                   |           |           |

• - standard, o - optional

| ELECTRICALLY ADJUSTABLE   |                 |                 |                | HYDRAULIC                        | FIXED HEIGHT   |
|---|-----------------|-----------------|----------------|----------------------------------|----------------|
|  |                 |                 |                |                                  |                |
| BTL-1300  | BTL-1300        | BTL-1300        | BTL-1300       | BTL-1300                         | BTL-1100       |
| Bobath (1-section and 2-section)  | Basic 2-section | Basic 3-section | Trac 2-section | Basic mechanical couch 2-section | 2-section      |
| 1-motor   | 1-motor         | 2-motors        | 1-motor        | hydraulic movement               | fixed height   |
| T013.005 (1-sec)<br>T013.012 (2-sec)  | T013.0 13       | T013.018        | T013.011       | T013.030                         | T011.160       |
| •   | •               | •               | •              | mechanical adjustment            |                |
|   |                 | •               |                |                                  |                |
| •   | •               | •               | •              |                                  |                |
| • (2-section)   | •               | •               | •              | •                                | •              |
| 90  | 70              | 70              | 70             | 70                               | 70/70 (height) |
|   |                 |                 | •              |                                  |                |
|   |                 |                 |                |                                  | •              |
|   | o               | o               | •              | o                                | o              |
| o   | o               | o               | o              | o                                | o              |
| o   |                 |                 | o              |                                  |                |
|   | o               | o               |                | o                                |                |
| o   | o               | o               | o              |                                  |                |
| o   |                 |                 | o              |                                  |                |
|   | o               | o               |                |                                  |                |
| o   | o               | o               | o              |                                  |                |
|   | o               | o               | o              | o                                | •              |
|   |                 |                 | o              |                                  |                |
| 230 V AC, 50-60 Hz/115 V AC, 50-60 Hz   |                 |                 |                |                                  |                |

