



Ultrasound Therapy



THE BTL-4000 SERIES

This new and advanced series of physiotherapy products offers devices for ultrasound therapy, electrotherapy, laser as well as an extended line of combination therapy. The outstanding parameters and wide range of applicators, including the revolutionary HandsFree Sono®, make the 4000 series line an ideal choice for any professional practice.

The BTL-4000 series Ultrasound is available in two models:
BTL-4710 SMART & BTL-4710 PREMIUM.

EASY OPERATION

- Therapy can be started with a single touch
- Possibility to select up to eight QUICK protocols for each therapy
- Large colour touch screen provides clear visualization of all important information
- Touch screen available in two sizes: 7" for the **BTL-4710 PREMIUM** or 4.3" for the **BTL-4710 SMART**

FULL RANGE OF APPLICATORS AND ACCESSORIES

- Time - saving HandsFree Sono® applicator
- Ergonomically designed, heated ultrasound heads
- Well - designed durable trolley for everyday use

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

PORTABILITY

- Easy manipulation
- Optional lightweight battery and carrying case

THERAPEUTICAL 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
- Body Parts navigation for fast access to localized protocols

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-4710 Smart and the BTL-4710 Premium the most advanced system in the industry.

BTL-4710 PREMIUM

- 5 cm² applicator included
- 1 cm² applicator*
- 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
- Heated ultrasound heads
- Portable and battery - operated*

*optional

BTL-4710 SMART

- 5 cm² applicator included
- 1 cm² applicator*
- HandsFree Sono® applicator*
- Simultaneous treatment with 1 and 3 MHz
- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database
- Heated ultrasound heads
- Portable and battery - operated*

*optional



FEATURES AND BENEFITS OF THE BTL-4710 ULTRASOUNDS

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

*optional

TECHNICAL SPECIFICATIONS OF THE BTL-4710 ULTRASOUND

| SPECS | BTL-4710 SMART | BTL-4710 PREMIUM |
|--|---|-----------------------|
| Display | 4.3" | 7" |
| Knob | | • |
| QUICK Protocols | | • |
| Body Part nagivation | | • |
| Patient database | | • |
| Number of independent channels | 2 | 2 |
| Number of heads simultaneously connected | 1 | 1 |
| Modular frequency | 10-150 Hz | 10-150 Hz |
| Duty factor | 5-100% | 5-100% |
| Max. intensity in continuous mode | 2 W / cm ² | 2 W / cm ² |
| Max. intensity in pulsed mode | 3 W / cm ² | 3 W / cm ² |
| Dimensions | 380 x 190 x 260 mm | |
| Weight | Max. 3 kg | |
| Mains supply | 100-240 V/AC, 50-60 Hz | |
| Standard accessories | Ultrasound head 5 cm ² , gel 300 ml, adapter, manual | |

ACCESSORIES

Standard

BTL-4000-5CM BTL Ultrasound Applicator - 5cm²

Optional

BTL-4000-Cart Trolley for BTL 4000 Series
BTL-4000-Battery Battery Pack for BTL-4000 Smart/Premium
BTL-4000-Bag Carry bag for BTL-4000 Smart/Premium
BTL-4000-1CM BTL Ultrasound Applicator - 1cm²
BTL-Sono-6 HandsFree Sono 6 Crystal (Includes 3 straps)
BTL-Sono-4 HandsFree Sono 4 Crystals (Includes 3 Straps)
BTL-Sono-PH HandsFree Sono Holder
BTL-Sono-PT HandsFree Sono holder for trolley

ACCESSORIES



Battery Pack



Cart for BTL-4000 Smart/Premium
BTL-4000-Cart



6 crystal HandsFree
Sono® applicator
BTL-Sono-6



Plastic holder for
HandsFree Sono®
BTL-Sono-PH



4 crystal HandsFree
Sono® applicator
BTL-Sono-4



HandsFree Sono® holder
for plastic trolley
BTL-Sono-PT



5 cm² applicator
BTL-4000-5cm



1 cm² applicator
BTL-4000-1cm



Carry bag for
BTL-4000 Smart/Premium
BTL-4000-Bag

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.

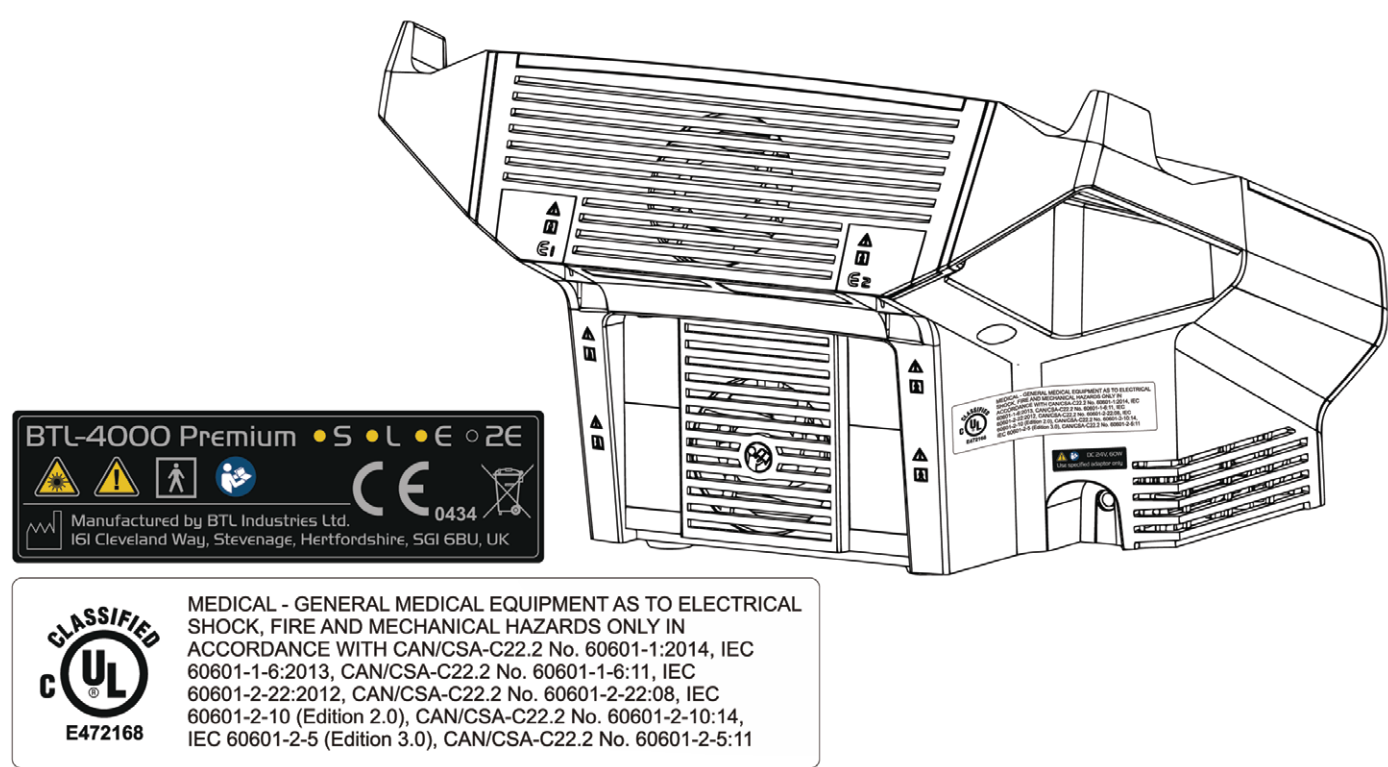
MAXIMUM FLEXIBILITY FOR ALL TREATMENT POSITIONS



FEATURES AND BENEFITS OF THE BTL Hands Free Sono®

- Time Saver
 - More efficient ultrasound delivery, and eliminates application errors
 - 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 6 crystals; 12 cm² with 4 crystals
 - Gel pads not required
-

CANADIAN ELECTRICAL SAFETY LABELING OF BTL



Health
Canada Santé
Canada

MDALL LICENCES

| | |
|--|-------|
| BTL-4710 SMART & PREMIUM (Ultrasound Therapy) | 94143 |
| ULTRASOUND HEAD (5cm ² & 1cm ²) | 94527 |
| HANDSFREE SONO | 94535 |

Capital Equipment Expertise

OrthoCanada can help with comprehensive capital equipment purchase decisions clinic planning and set-ups. Since 1989, our knowledge and assistance have helped thousands of capital equipment decisions, including over 750 Canadian start-ups. We provide peer-to-peer (professional) advice, offer research subsidies and can help create everything from today's state-of-the-art clinics, to facilities with smaller budgets.



Our team of professionals provides comprehensive assistance with everything you need to get started. We provide equipment recommendations, advice on whether to buy or lease, as well as complete details on installation.

Tammy Boucher, BScPT
Vice-President, Capital Equipment Sales
tammy.boucher@orthocanada.com
1-800-561-0310 ext 1700

Biomedical Services

OrthoCanada prides itself on excellent after sales services. Our team ensures that all our customers are well taken care of and that the best possible service is offered at all times.

OrthoCanada's Biomedical Services department is certified to repair, test and calibrate all BTL physiotherapy and electrotherapy devices. OrthoCanada will support your practice to ensure your clinic does not lose a step in the event of technical issues. All repairs are handled with care and in a timely manner to ensure minimal disruption in your clinic.



A graduate in Biomedical and Electrical Engineering from Carleton University in Ottawa, Razi is also a certified technician for BTL electrotherapy and other medical device manufacturers.

"One of my greatest passion is to help healthcare practitioners choose equipment that best meets their needs and is tailored to their professional practice."

Razi Khaddage, B.Eng Biomedical & Electrical Engineering
Biomedical Services Manager
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1-800-561-0310 ext 1704

Quote Form



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We Ship Anywhere Across Canada!

OrthoCanada strives to make ordering our products a positive, satisfying experience. Whether you're located in Little Shuswap or Happy Valley Goose Bay, our goal is to provide the best possible delivery service to our professional customers at an affordable price. We understand that getting your order to you promptly is our priority.



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All prices are subject to change without notice

Multi-Site Drop-Ship Locations

OrthoCanada's operation system enables us to set-up your institutional account with multiple drop-ship locations. Whether your locations are in the same city or are spread across the province or country, we can assure fast, efficient delivery. Contact us for more information.

