

ORTHOCANADA



Ultrasound, Laser & Electrotherapy  
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<sup>®</sup>, make the 4000 series line an ideal choice for any professional practice.

The BTL-4000 series Ultrasound, Laser & Electrotherapy combination is available in one model:  
**BTL-4825SL 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 one size: 7" for the **BTL-4825SL PREMIUM**

## FULL RANGE OF APPLICATORS AND ACCESSORIES

- Time - saving HandsFree Sono<sup>®</sup> applicator
- Well - designed durable trolley for everyday use
- Lead wires
- Sponge covers
- Fixation straps
- Re-usable electrodes
- L3 or higher protection safety glasses
- Optional laser cluster & probe holder to save time
- Ergonomically designed laser probes, laser clusters & heated ultrasound applicators

## 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

# COMBINATION UNIT

## ULTRASOUND

## LASER

## ELECTROTHERAPY

The BTL-4825SL Premium feature a two channel electrotherapy unit with a wide selection of waveforms. The laser has a wide spectrum of powerful applicators with two different wavelengths and adjustable intensity levels, allowing the operator to reach maximum treatment efficiency. This operator independent ultrasound system saves the operator's time, while making ultrasound treatment more effective than ever before.

The large database of preset protocols makes the use of the laser unit easy and comfortable for advanced practitioners as well as for those new to the laser therapy. The easy operation, the most advanced parameters and a wide library of protocols make the BTL-4825SL Premium the most advanced system in the industry.

### BTL-4825SL PREMIUM

- Rotary dial for output adjustment
- Two 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\*

\*Optional

### FEATURES & BENEFITS OF THE BTL-4825SL COMBINED UNITS

- Two independent electrotherapy channels
- Wide spectrum of waveforms
- Units include 5 cm<sup>2</sup> ultrasound applicator, lead wires, 4 re-usable rubber electrodes (5x7 cm), sponge cover and a set of fixation straps
- Wide spectrum of powerful applicators with two different wavelengths and adjustable intensity levels, allowing the operator to reach maximum treatment efficiency.



BTL-4825SL Premium with optional trolley & optional cluster and probe holder

### ACCESSORIES

#### Standard

BTL-4000-5CM  
BTL-4000-L1  
BTL-4000-L2  
BTL-4000-E1  
BTL-4000-S1

BTL Ultrasound Applicator - 5cm<sup>2</sup>  
BTL 4000 Channel 1 lead - light grey  
BTL 4000 Channel 2 lead - dark grey  
BTL 7x5 cm carbon IFC electrode (sold individually)  
BTL Sponges for 5x7 cm electrode (sold individually)

#### Optional

BTL-4000-Cart  
BTL-4000-Battery  
BTL-4000-Bag  
BTL-4000-1CM  
BTL-Sono-6  
BTL-Sono-4  
BTL-Sono-PH  
BTL-Sono-PT  
BTL-4000-E2  
BTL-4000-S2  
BTL-4110-GL  
BTL-4110-HL  
BTL-4110-200mW  
BTL-4110-400mW  
BTL-4110-800mW  
BTL-4110-1300mW  
BTL-4110-1500mW

Trolley for BTL 4000 Series  
Battery Pack for BTL-4000 Smart/Premium  
Carry bag for BTL-4000 Smart/Premium  
BTL Ultrasound Applicator - 1cm<sup>2</sup>  
HandsFree Sono 6 Crystal (Includes 3 straps)  
HandsFree Sono 4 Crystals (Includes 3 Straps)  
HandsFree Sono Holder  
HandsFree Sono holder for trolley  
BTL 12x10 cm carbon IFC electrode (sold individually)  
BTL Sponge for 12x10 cm electrode (sold individually)  
Safety glasses, L3 level protection or higher  
Laser cluster and probe holder w/ adaptor for  
BTL Infrared Laser Probe - 830nm / 200mW  
BTL Infrared Laser Probe - 830nm / 400mW  
BTL Infrared Laser Cluster - 830nm / 800mW  
BTL Infrared Laser Cluster - 830nm / 1300mW  
BTL Infrared (830nm / 1300mW) & Red (685nm / 200mW)  
Laser Cluster - Total 1500mW output

\*More probes and clusters available upon request.

# TECHNICAL SPECIFICATIONS

## BTL-4825SL Premium Combination Unit

### Standard Specs

Display	7"
Knob	•
QUICK protocols	•
Body Part Navigation	•
Patient database	•
Dimensions	380x190x260mm
Weight	Max. 3 kg
Mains supply	100-240 V/AC, 50-60 Hz
Standard accessories	2x electrode connection cable - light grey and dark grey, 4x flat rubber electrode 5x7 cm, sponge covers, set of fixation straps, adapter, manual

### Electrotherapy Specs

Electrotherapy channels	2	Sequences	•
Electrodiagnostics	•	2-pole interference	•
Galvanic	•	4-pole interference	•
Diadynamic currents	•	Isoplanar and vector field	•
Trabert	•	Interrupted pulses	•
Faradic	•	Leduc current	•
Neofaradic	•	H-wave	•
Exponential pulses	•	Microcurrent	•
Exponential pulses with rise	•	Mid-frequency surges	•
Rectangular pulses	•	Spastic stimulation - Hufschmidt	•
Russian stimulation	•	Spastic stimulation - Jantsch	•
Stimulation pulses	•	HVT	•
Trapezoid pulses	•	IG pulses	•
Triangular pulses	•	Modulated pulses current	•
Combined pulses	•	VMS current	•
TENS	•	Kotz current	•
NPHV	•	EPIR	•

### Ultrasound Specs

Number of independent channels	1
Number of applicators simultaneously connected	2
Modular frequency	10-150 Hz
Duty factor	5-100%
Max. intensity in continuous mode	2 W / cm <sup>2</sup>
Max. intensity in pulsed mode	3 W / cm <sup>2</sup>

### Laser Specs

Number of applicators simultaneously connected	2
Modes of operation	Continuous and 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	35-100 %
Laser class	3B

# ACCESSORIES



Cart for BTL-4000 Smart/Premium with laser cluster and probe holder



6 crystal HandsFree Sono® applicator



Plastic holder for HandsFree Sono®



4 crystal HandsFree Sono® applicator



HandsFree Sono® holder for plastic trolley



Safety glasses



Leads



5 cm<sup>2</sup> applicator



Re-usable rubber electrodes (5x7 cm)



Carry bag for BTL-4000 Smart/Premium



1 cm<sup>2</sup> applicator



Infrared probes



Laser clusters

# 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

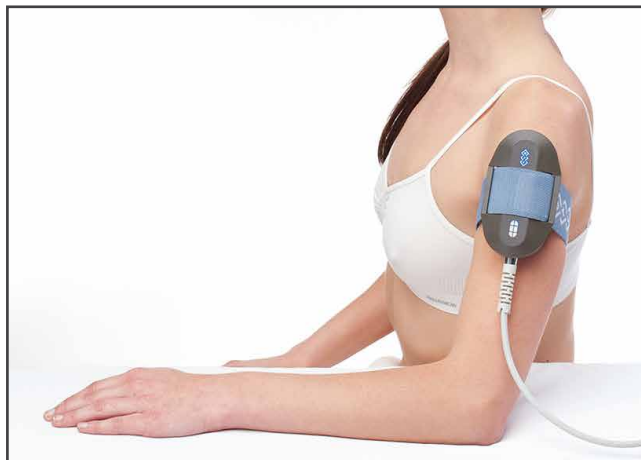
### ROTARY FIELD TECHNOLOGY: THE PRINCIPLE

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.



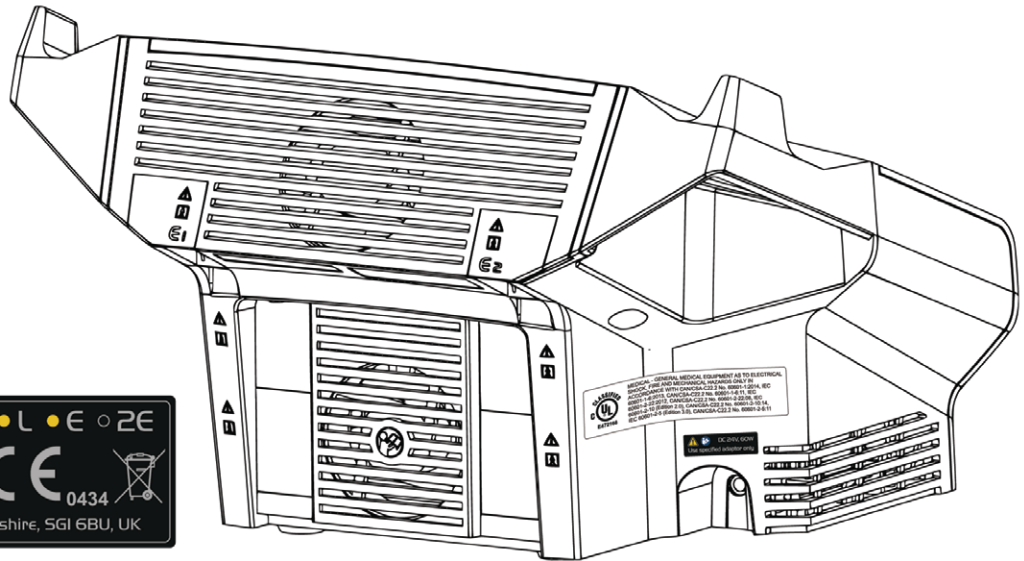
# MAXIMUM FLEXIBILITY FOR ALL TREATMENT POSITIONS




## 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 cm<sup>2</sup> with 6 crystals; 12 cm<sup>2</sup> with 4 crystals
- Gel pads not required

# CANADIAN ELECTRICAL SAFETY LABELING OF BTL





MEDICAL - GENERAL MEDICAL EQUIPMENT AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH CAN/CSA-C22.2 No. 60601-1:2014, IEC 60601-1-6:2013, CAN/CSA-C22.2 No. 60601-1-6:11, IEC 60601-2-22:2012, CAN/CSA-C22.2 No. 60601-2-22:08, IEC 60601-2-10 (Edition 2.0), CAN/CSA-C22.2 No. 60601-2-10:14, IEC 60601-2-5 (Edition 3.0), CAN/CSA-C22.2 No. 60601-2-5:11



Health  
Canada

Santé  
Canada

MDALL LICENCES

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BTL-4000 (Combination Therapy - BTL-4825SL-Premium)	98761
ULTRASOUND HEAD (5cm <sup>2</sup> & 1cm <sup>2</sup> )	94527
HANDSFREE SONO	94535

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## Clinic Set-Up Expertise

OrthoCanada can help with comprehensive clinic planning and set-ups. Since 1989, our knowledge and assistance have helped over 500 Canadian start-ups. We provide peer-to-peer (physio-to-physio) 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 physio 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 Electrical Engineer from Carleton University in Ottawa, I am also a certified technician for electrotherapy and 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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# 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.



## Take Advantage of our Free Shipping Offer

Professionals & institutions can take advantage of our Free Shipping policy everywhere in Canada on orders over \$250\*

### Standard Shipping Rate \$9.95

Our standard shipping rate for Professionals & institutions, on orders under \$250, is \$9.95 unless weight, location or size is a factor.

\*Unless weight or size is a factor, or the product is shipping to a very remote location. If this is the case, a customer service representative will contact you to confirm the shipping cost prior to shipment. Standard shipping is provided by FedEx or by Canada Post. Larger items ship via surface freight. OrthoCanada provides shipping only within Canada at this time. Visit our website for our Terms & Conditions at [orthocanada.com/en/shipping-info](http://orthocanada.com/en/shipping-info)

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.

