

HIGH INTENSITY LASER

A REVOLUTION IN THERAPEUTIC
LASER TECHNOLOGY



HIGH INTENSITY LASER

REVOLUTIONARY TECHNOLOGY BASED ON PROVEN MEDICAL PRINCIPLE

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

FAST AND EFFECTIVE THERAPY PROVEN BY LATEST RESEARCH RESULTS

PAINLESS AND NON-SURGICAL TREATMENT WITH NO SIDE EFFECTS

BTL HIGH INTENSITY LASER THERAPY

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



LASER LIGHT IN HUMAN TISSUE

- ◇ Coherent, monochromatic laser light strongly stimulates healing and regeneration of most biological tissues.
- ◇ 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 1000nm creates photomechanical wave in the subcutaneous tissue. This photomechanical stimulation inhibits painful sensation and brings immediate pain relief.

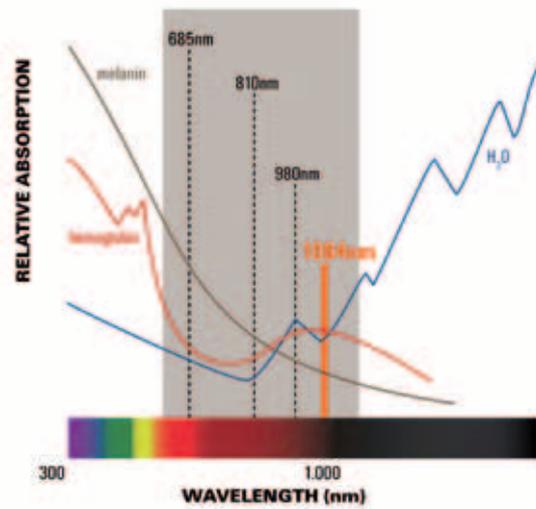


HIGH INTENSITY LASER THERAPY

REVOLUTION IN LASER THERAPY

Biostimulative and healing effects of the laser therapy are well known since 1960's. 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 pre-defined. 810/980nm and 1064nm wavelengths are specific for its high action on biological chromophores, allowing maximum therapeutic effect without irradiating unwanted areas.

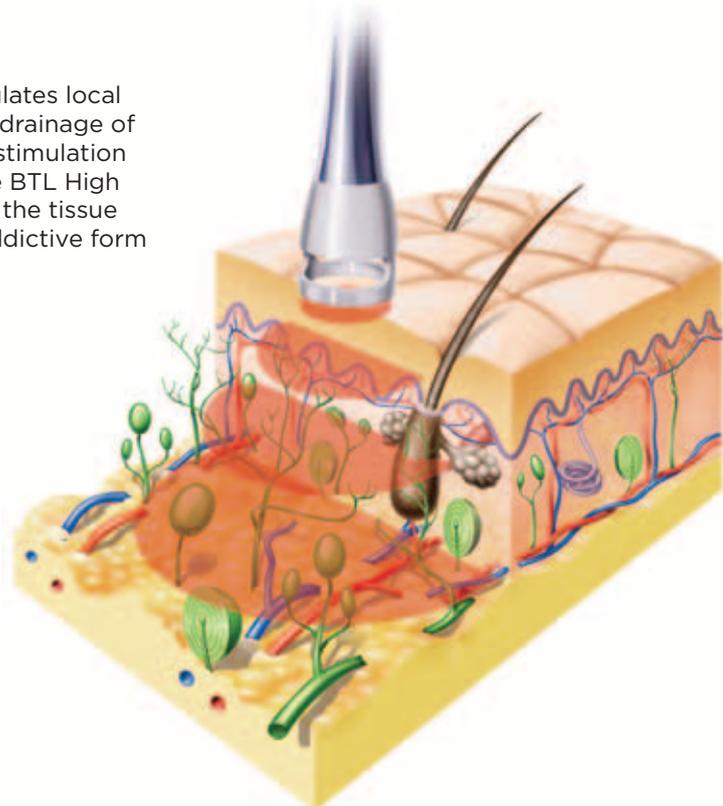
The maximum power of 12W allows extremely high penetration depth of this laser light. The optimum ratio of absorption and penetration depth guarantees efficient stimulation of tissue and pain receptors in up to 12cm depth. The high Intensity Laser therapy is fast and effective treatment with no side effects and can be targeted into any painful spot of the body.



IMMEDIATE, STRONG AND LONG LASTING PAIN RELIEF

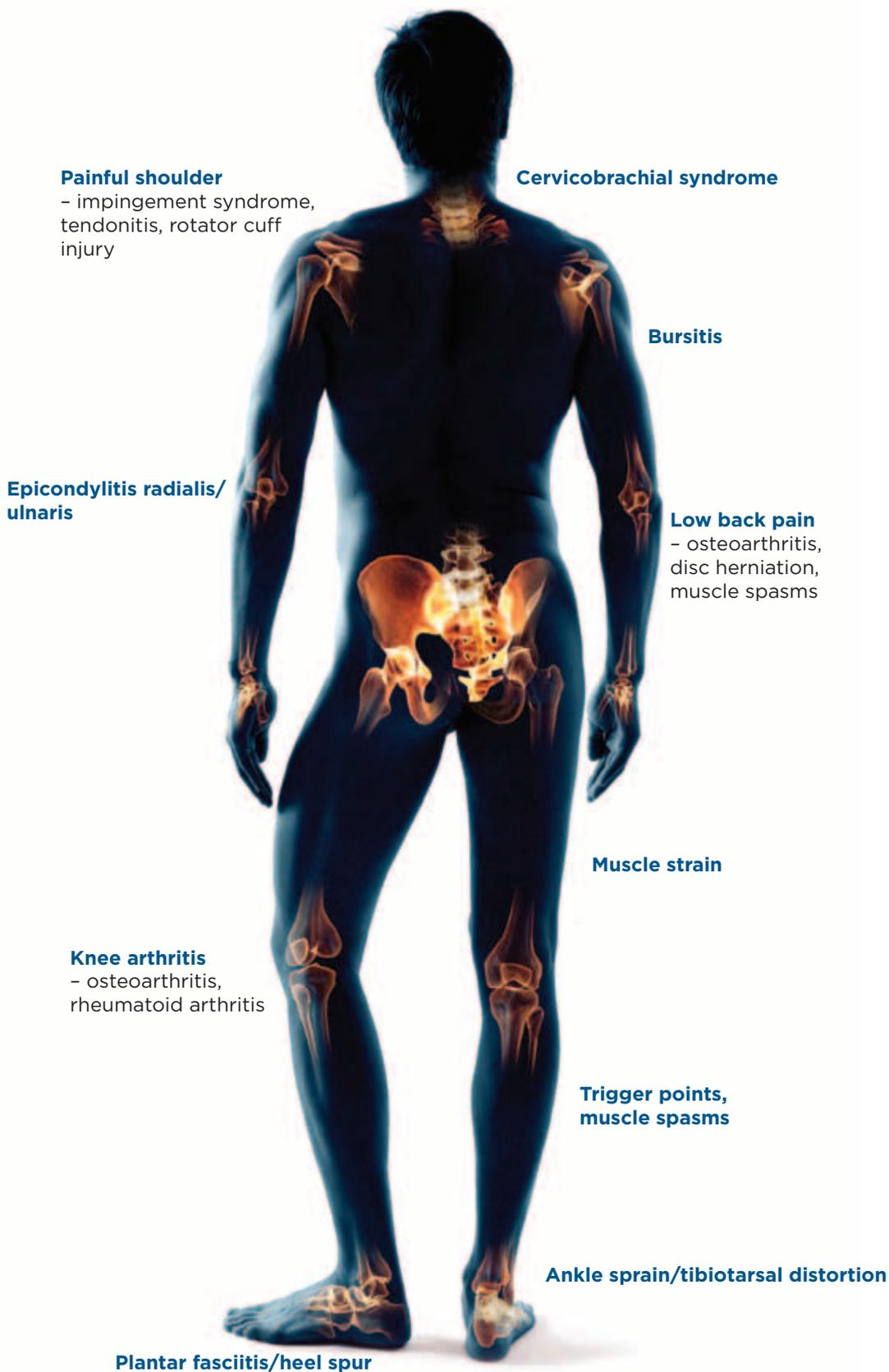
Using laser light wavelengths close to 1000nm in extremely short pulsed mode gives BTL High Intensity Laser technology completely new therapeutic feature - ability to create mechanical wave in the biological tissue. The 1064nm and 980nm wavelengths are specially designed to be extremely well absorbed 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 and other pain receptors in the subcutaneous tissue blocks pain pathways in the nervous system and brings immediate pain relief.

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 provides a powerful and non-addictive form of pain management.



HIGH INTENSITY LASER TOP INDICATIONS

The BTL High Intensity Laser therapy offers very effective treatment for wide range of clinical indications ranging from muscle injuries and tendinopathies to degenerative joint disorders.



To help you with the application procedure in these and many other clinical indications, BTL created built-in therapeutic encyclopaedia. This clinical guide gives the operator step-by-step explanation on how to apply therapy for most common indications.



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HIGH INTENSITY LASER

TECHNOLOGY FEATURES

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



analgesic, 25Hz
analgesic - analgesia

6.0	remaining time [min]
250	remaining energy [J]

press foot switch to start therapy

OK

on/off

laser stop



HIGH INTENSITY LASER

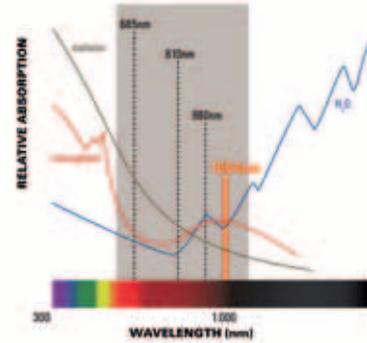
BTL-6000 HIGH INTENSITY LASER 12W

- ◇ 12W power
- ◇ 1064nm wavelength



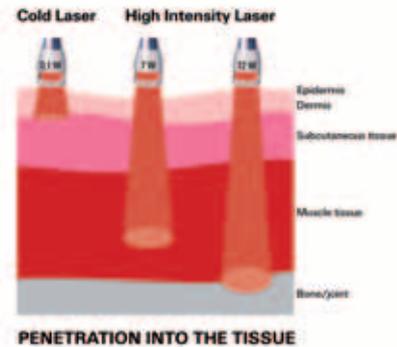
UNIQUE WAVELENGTH

- ◇ 1064nm wavelength of Nd:YAG laser
- ◇ Optimum ratio of absorption and penetration into the tissue



UNLIMITED PENETRATION DEPTH

- ◇ Up to 10 centimeters of tissue



APPLICATOR

- ◇ Advanced ergonomics
- ◇ Three sizes of removable spacers
- ◇ Magnetic attachment of ending spacers



EASY OPERATION AND PORTABILITY

- ◇ Touch screen interface
- ◇ Preset protocols
- ◇ Extreme portability with only 7kg weight

HIGH INTENSITY LASER

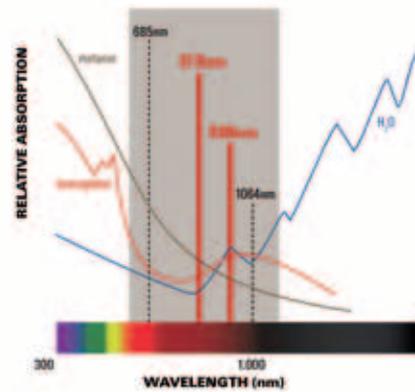
BTL-6000 HIGH INTENSITY LASER 7W

- ◇ 7W power
- ◇ 810/980nm wavelength



DUAL WAVELENGTH

- ◇ Simultaneous emission of two wavelengths at 810/980nm



APPLICATOR

- ◇ Advanced ergonomics
- ◇ Three sizes of removable spacers
- ◇ Magnetic attachment of ending spacers



EXTREME PORTABILITY

- ◇ 7kg weight
- ◇ Transportation case



EASY OPERATION

- ◇ Touch screen interface
- ◇ Preset protocols



HIGH INTENSITY LASER

ACCESSORIES

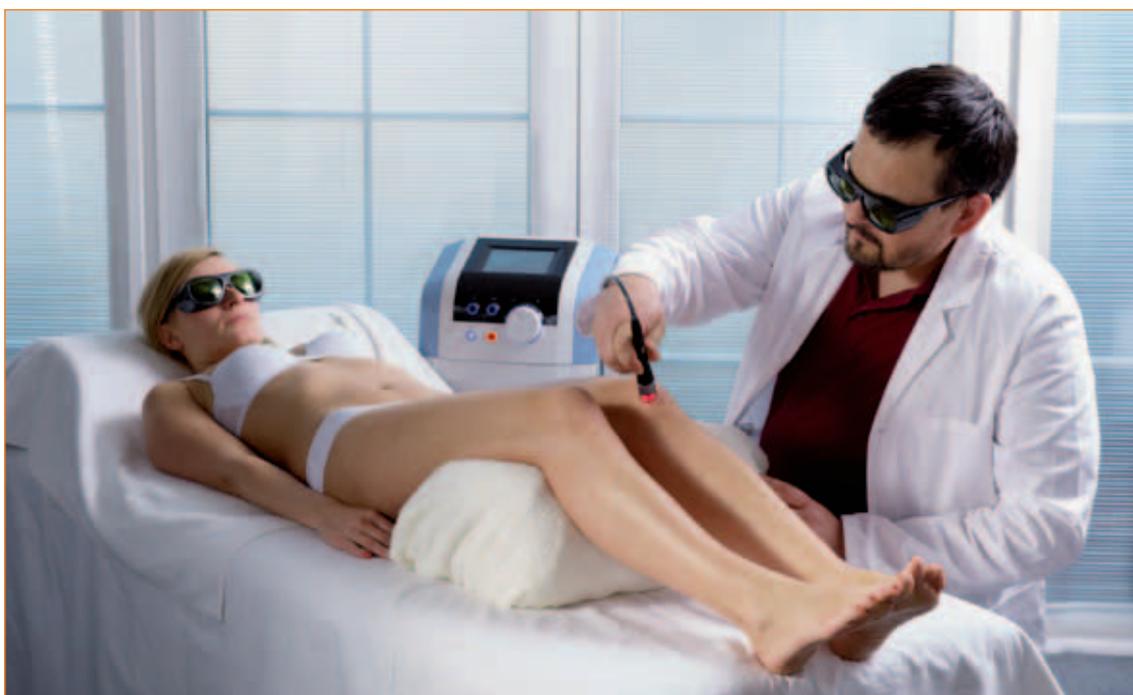
SAFETY FEATURES

- ◇ Foot switch operation
- ◇ Navigation light
- ◇ Safety ending spacer
- ◇ Unit lock
- ◇ Safety eyewear



COMFORT AND EASY OPERATION

- ◇ Design and ergonomomy of the applicator
- ◇ Precise definition of the treatment area
- ◇ Magnetic attachment of the spacers
- ◇ Touch screen interface



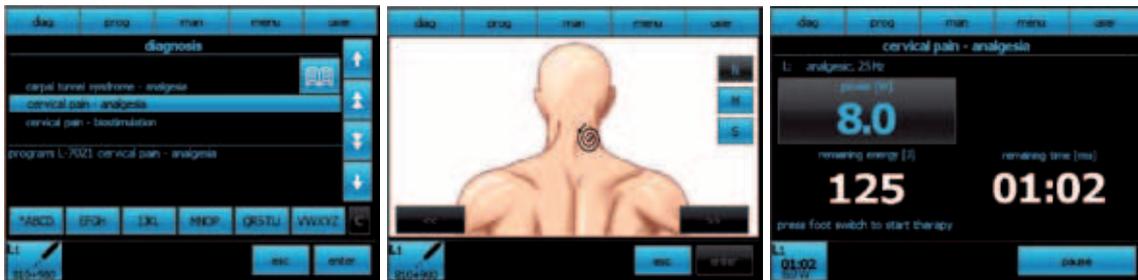
HIGH INTENSITY LASER

BTL THERAPY GUIDE

The built-in therapeutic guide is designed to make the therapy both very easy and effective. Those who start with laser therapy will appreciate the preset therapy parameters and pictures that guide them step by step throughout the application. Those more experienced in laser therapy will profit from the advanced clinical recommendations based on the long-term clinical expertise.

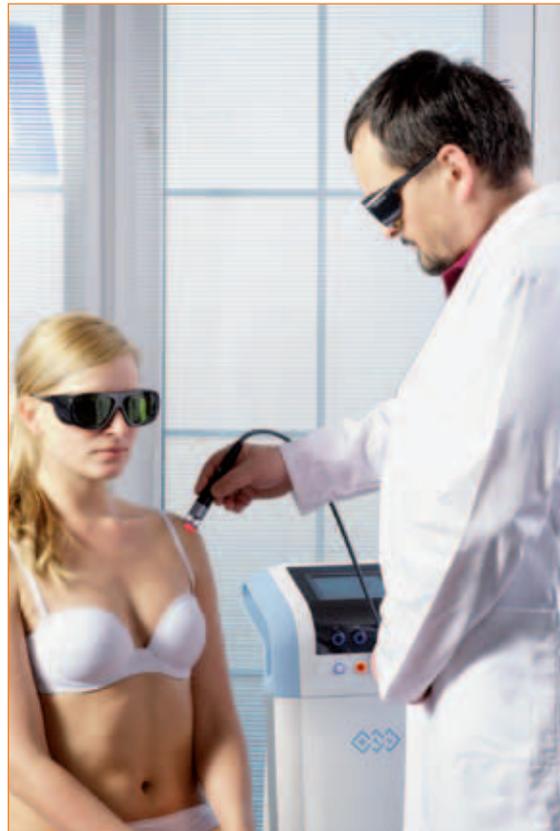
Built-in therapeutic encyclopaedia:

- ◇ anatomical pictures
- ◇ step by step therapy protocols
- ◇ preset parameters



Benefits for the user:

- ◇ comfort and ergonomomy
- ◇ easy operation
- ◇ maximum safety



HIGH INTENSITY LASER

MOST COMMON APPLICATIONS



Painful shoulder



Hip arthrosis



Epicondylitis



Carpal tunnel syndrome



Patellar tendinopathy



Low back pain



Achilles tendonitis



Dorsalgia



MODELS/TECHNICAL SPECIFICATIONS

BTL-6000 HIGH INTENSITY LASER

TECHNICAL SPECIFICATIONS	BTL-6000 HIGH INTENSITY LASER 7W	BTL-6000 HIGH INTENSITY LASER 12W
Part number	P6000.401v101	P6000.402v101
Total output	7W in continuous mode	12W in continuous mode
Operating wavelength	810/980nm simultaneously	1064nm
Mode of operation	continuous, pulsed, single pulse	
Number of protocols	38	
Safety features	emergency off switch operation by footswitch safety interlock	
Dimensions	320 x 190 x 280mm	
Mains supply	230V / 50-60Hz, 115V / 50-60Hz	
Laser class	IV	
Equipment protection class	IIB	

OPTIONAL/STANDARD ACCESSORIES:

MODELS:	BTL-6000 HIGH INTENSITY LASER 7W	BTL-6000 HIGH INTENSITY LASER 12W
Foot switch control	◇	◇
Navigation light	◇	◇
Calibration block	◇	◇
Safety applicator spacer 10mm	○	○
Safety applicator spacer 30mm	◇	◇
Safety applicator spacer 60mm	○	○
Safety eyewear	◇	◇
Touch screen pen pointer	◇	◇
BTL-6000 trolley	○	○
Transportation case	○	○

◇ - standard

○ - optional



BTL-6000 High Intensity Laser



BTL-6000 High Intensity Laser on trolley



