

# I-TECH LA 8000

# I-TECH LA 10000

LASER THERAPY

The new lasers I-TECH LA 8000 and I-TECH LA 10000 guarantee a fast intervention for the treatment of inflammatory and degenerative pathologies in orthopedic, neurologic and dermatologic area. Thanks to their high performance healing time is significantly reduced.



PROFESSIONAL  
THERAPY



**I-TECH**  
MEDICAL DIVISION

# I-TECH LA 8000 / I-TECH LA 10000 Laser therapy

MAIN TECHNICAL FEATURES	I-TECH LA 8000	I-TECH LA 10000
Power supply	110-230 Vac, 50-60 Hz, ±10%	
Maximum laser output	8 W ± 20%	10 W ± 20%
Adjustable laser power output	1 ÷ 8 W	
Laser diode wavelength	980 nm	
Mode of operation	continuous, pulsed	continuous, pulsed, super pulsed
Super pulsed mode	--	up to 10 W
Frequency emission	10 Hz ÷ 10 KHz	
Duty cycle	10% ÷ 90 %	
Therapy time	1 ÷ 30 minutes	
Preadjusted programs	30	
Free programs	5 trigger + 5 scan	
Adjustable parameters (scan mode)	points, power, frequency, duty cycle, joule, time	
Adjustable parameters (trigger mode)	area (cmq), power, frequency, duty cycle, density, time	
Safety footswitch operation	✓	
Optical fiber probe	✓	
Laser class	IV Class IEC 60825-1	
Pointing red light	available on request	
Medical device	CE0476	
Dimensions	300 x 150 x 120 mm	

## MAIN TREATMENTS

- Polyarthrititis
- Epicondylitis/Epitrochleitis
- Knee pain
- Myositis
- Oedema
- Sciatalgy/Lumbago
- Articular sprains
- Chronic Tenosynovitis
- Muscle strains
- Overcharge pathologies
- Ecchymosis
- Bursitis
- Degenerative arthritis
- Adhesive capsulitis
- Arthrosis pains
- Post-traumatic disorders
- Scars
- Rheumatic diseases

The acronym Laser stands for *Light Amplification by Stimulated Emission of Radiation*. The laser therapy uses the effects of energy produced by the light source penetration into the tissues. Biochemical reactions are activated across the cellular membrane. It has been observed that right doses of Laser light can stimulate cellular functions, in particular into the cells damaged by functional deficits. The main effects of Laser therapy are:

- Improved blood flow: capillary and artery vasodilatation that results in local heat increase.
- Biostimulation: accelerated tissues repair, stimulation of protein synthesis, ADP production, electrolyte changes in the intra- and extra-cellular fluids and mitosis of fibroblasts, increase of collagen and elastin.
- Anti-inflammatory effect.
- Anti-oedema effect: lymphatic drainage stimulation.
- Analgesic effect.



## KIT

- I-TECH LA 8000 / I-TECH LA 10000
- Optical fiber probe
- Safety glasses
- Safety footswitch operation



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