

### emLas-900 Digital LLLT

Irradiation System is developed from "Laser Biostimulation" application for large treatment area in the relatively short time. This patented product is made using the combination of modern laser diode technology and computerized digital control.



**emLas-900** is all steel robust construction with the compact assembly; equipped with adjustable irradiator to generate up to a total of 2,000mW laser power and cover up to 314 cm<sup>2</sup> treatment area for adapting the LLLT in any part of the body.

**emLas-900** applied the **RED** lasers or **INFRARED** lasers is capable of delivering two independent LLLT treatments and sets the new LLLT protocol standard for the large area treatments in:

- **Aesthetic Conditions**
- **Pain Relief**
- **Skin Diseases**
- **Wound & Burn Healing**

## Features

### Effective

**Constant laser intensity of each laser module is maintained by:**

- Innovative optics design leads to the maximum output laser power.
- Advanced integrated circuit designed for laser module by Konftec with automatic power control (APC) to maintain the specific power output.
- Industrial grade laser diodes with temperature rating of 60 °C and MTBF (Mean Time Between Failures) > 5,000 hours.

### Safe

**Konftec's integrated circuit design for all laser modules provide full protection of:**

- EDS (Electrostatic Discharge)
- Over-temperature
- Soft-start

### User Friendly

- Microprocessor-based control, with the functions of self-diagnostic check and error detection, can automatically detect faulty alarm irradiator(s).
- Ten user-friendly function keys combined with numerical keys for easy setting of the therapy process.
- Dynamic large size (80x65 mm) LCD with **blue backlit** display for clear reading.
- To set the last therapy process with a single function " Prog. " key for time saving and accuracy.

Patented and Patents Pending

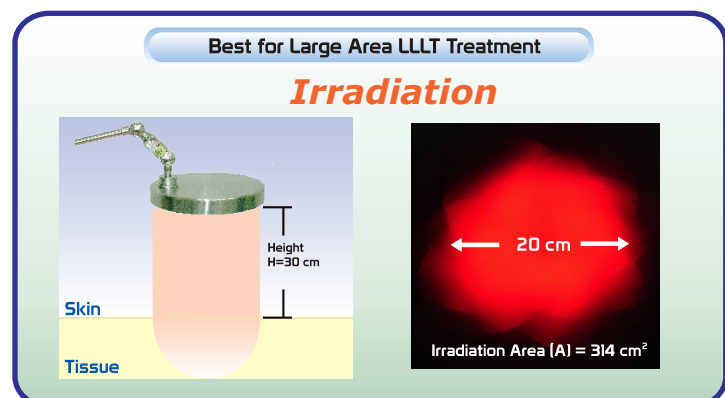
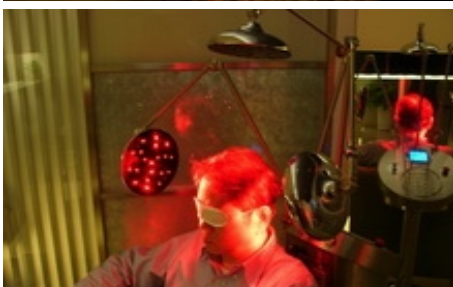
# Specifications

## Digital Controller

Operation Environment	0 ~ 50 °C (32 ~ 122°F); 10 ~ 95%RH (Non-condensing)
Storage Environment	-20 ~ 85°C (4 ~ 185°F); 10 ~ 95%RH (Non-condensing)
No. of Channels	1
Time Setting	1 ~ 60 Minutes (Min. Setting Segment 1 Minute)
Music Alert	Stop and Fault
Power Input Voltage	90V AC ~ 264V AC
Power Input Frequency	47Hz ~ 63Hz
Power Input Current	Max. 1.0A (115V AC), 0.5A (230V AC)
Power Supply Protection	Short Circuit and Overload; Auto Recovery Mode
CE Verification	EMC Directive 93/42/EEC (Operation Environment: Medical Electrical Equipment) Standard Applied- IEC 60601-1 and EC 60601-1-2
Min. Storage Dimensions	73(L) x 37(W) x 100(H) cm; 29(L) x 15(W) x 40(H) in.
Weight	6 Kg (13.2 Lbs)

## Laser Irradiator

Laser Material	Semiconductor Laser Diode
Laser Wavelength & Output Power	Choices of Irradiator with Laser Modules (1) 635nm/100mW x 20 (2) 660nm/100mW x 20 (3) 780nm/100mW x 19 + 660nm/100mW x 1 (4) 808nm/100mW x 19 + 660nm/100mW x 1
Max. Extension Length	120 cm



\*The specifications of products are subject to change or modify without notice.