

MiS

MLS® High Peak Pulse.



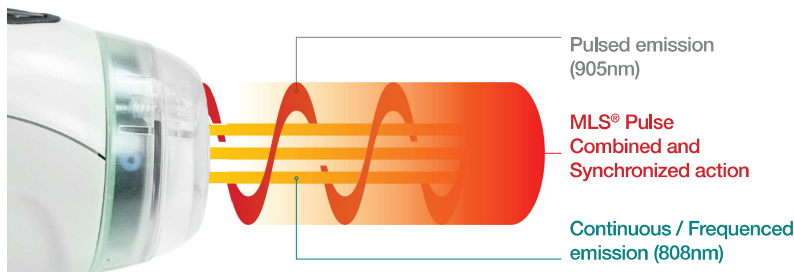
The very high, instantaneous peak power and a controlled average power are consistent with the choice of pursuing efficacy while safeguarding **patients' safety**.

In addition to the therapeutic characteristics typical of the MLS® family, MiS finds an application in peripheral neuropathies, as demonstrated by ASAcampus scientific research.

The application of MiS in a recognized model of chronic neuropathic pain shows a clear and **lasting reduction in pain symptomatology**, accompanied by functional recovery.

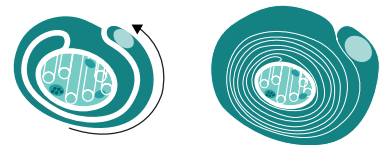
MLS® Laser Therapy

MLS® Laser Therapy comes from ASA's scientific research to overcome the limits of traditional laser therapy and at the same time to exploit the advantages of low and high power through a patented quality impulse.



Neuropathic pain is characterized by an uncertain etiology and by a poor response to common therapies.

MiS exerts a protective action through the restoration of the myelin sheath and proved to be effective in relieving pain sensitivity, as demonstrated by Micheli et al in the paper "Effect of NIR laser therapy by MiS source against neuropathic pain in rats: in vivo and ex vivo analysis" - Nature Scientific Reports, 9:9297, 2019.



Schwann cell rotates and wraps around the axon until myelin sheath is formed.

MiS

Technical features

- ▶ 6 pulsed laser diodes (PW) @905nm
- ▶ 1 Continuous/Frequency-modulated laser diode (CW/FW) @808nm
- ▶ Average power (max): 6W ± 20%
- ▶ Peak power (max): 1kW

4 EMISSION METHODS

- ▶ Synchronized Continuous/Frequency-modulated and Pulsed at maximum peak power (MLS HPP 808+905nm)
- ▶ Synchronized Continuous/Frequency-modulated and Pulsed (MLS® 808+905nm)
- ▶ Single Continuous/Frequency-modulated (808nm)
- ▶ Single Pulsed (905nm)

- ▶ Frequency: variable according to modulation
- ▶ Intensity: from 1% to 100%
- ▶ Time: from 1 sec to 30 min
- ▶ Over 25 control sensors for very high levels of performance and safety
- ▶ Intelligent battery that keeps the device in stand-by when not connected to the mains
- ▶ High resolution 10" LCD touchscreen
- ▶ Integrated handpiece holder and optical terminals holder

LASER APPLICATOR

- ▶ 1500 µm optical fibre
- ▶ Patent pending mechanical system for rapid connection between handpiece and optical terminal, with integrated recognition system
- ▶ Ergonomic handpiece with a button to control the emission and multicolour LED to indicate the status of the machine at any time

HANDPIECE WITH 2 cm OPTICAL TERMINAL

- ▶ 2 cm diameter homogeneous target area
- ▶ Collimated beam for maintaining the spot size both at contact and at a distance
- ▶ Ideal for treating trigger points, intra-articular areas, muscle bands

HANDPIECE WITH 5 cm OPTICAL TERMINAL

- ▶ 5 cm diameter homogeneous target area
- ▶ Automatic adjustment of the parameters to optimize the intensity on the tissue
- ▶ Ideal for the treatment of large anatomical areas homogeneously, reducing treatment times

TROLLEY

- ▶ Tool-carrying trolley with magnetic fixing system
- ▶ 4 swivel wheels with self-locking system suitable for all floors
- ▶ Glasses compartment

JOINTED ARM

- ▶ Handpiece holder arm for fixed point use equipped with sphere and joints

SIZE AND WEIGHT

- ▶ 56 x 47,4 x 147 cm
- ▶ 25 kg

POWER SUPPLY

- ▶ 100-240V 50-60Hz

