

HIRO

Dual and parallel action.



Hilterapia®



HIRO TT is the ultimate application of Hilterapia®, the new therapeutic strategy in the treatment of painful pathologies of the musculoskeletal system based on the principle of **thermal exchange**.

HIRO TT combines the **Nd:YAG pulsed laser source with a cooling system** which lowers the temperature of the skin and the underlying tissues, called **SmartCooler**.

Hilterapia® Beyond power, therapeutic efficacy

Hilterapia® is a therapeutic **technique based on an exclusive and patented high-intensity laser emission** which, while functioning in absolute safety, allows you to obtain an effective therapeutic action **in depth**. Ideal for the treatment of painful pathologies of the **osteo-muscle-tendon system**, both superficial and deep.

JOINT

Reduces articular inflammation and favors repair processes

MUSCULAR SYSTEM

Rapidly resolves contractures, producing an intense analgesic effect

CIRCULATION & LYMPHATIC SYSTEM

Promotes the supply of nutrients and re-absorption liquid accumulations



+ Intensity + Depth

The SmartCooler allows you to make the best use of HILT® pulse, conveying a larger quantity of photons faster and deeper.

1 optic fiber 3 laser handpieces

HIRO TT has been designed to connect all three handpieces (Ø5 mm, Ø10 mm, DJD) with a single optic fibre, thus optimising the change of handpiece with a quick and easy connection.

Safety

The proven safety of the HILT® pulse, enhanced by the localised action of the thermal exchange, ensures patient comfort during the treatment also in cases of very acute inflammation and on highly sensitive subjects.

ASL
A S A L A S E R
Research and Therapeutic Solutions

Technical features

- ▶ Laser system employing the patented HILT® pulse
- ▶ High Intensity pulsed Nd:YAG laser source
- ▶ Peak Power (max): over 3,000 W
- ▶ Intensity (max): 15,000 W/cm²
- ▶ Energy per pulse (max): 350 mJ
- ▶ Frequency: 10-30 Hz
- ▶ Average power (max): 10.5 W
- ▶ Fluence (max): 1780 mJ/cm²
- ▶ Pulse duration: ≤ 100 μs
- ▶ Auto-calibration of the laser emission to optimize the power delivery to the tissue
- ▶ “Top-Hat Spot Size” technology to ensure homogeneous distribution of energy over the target area
- ▶ SmartCooler Cooling system: 18°-28°C
- ▶ User interface with 10” graphic color touch screen display
- ▶ Pre-set protocols: STANDARD / FAST / FOCUSED (by pathology)
- ▶ Free programs to modify and save personal parameters

ALARMS AND SAFETY FEATURES

- ▶ Acoustic signal of laser emission during the therapy
- ▶ Machine status signals and alarms
- ▶ Emergency stop button for laser emission
- ▶ Laser emission warning light
- ▶ Emission control - Footswitch or Fingerswitch
- ▶ Language option
- ▶ Handpiece Test
- ▶ Date and time
- ▶ Interlock

INCLUDED ACCESSORIES

- ▶ Standard Ø5 mm handpiece for pain therapy
- ▶ Standard Ø10 mm handpiece for pain therapy on sensitive areas
- ▶ Patented DJD handpiece for regenerative therapy
- ▶ SmartCooler applicator
- ▶ N.2 fiber/cable holders
- ▶ N.2 laser safety goggles

SIZE AND WEIGHT

- ▶ 40 x 85 x 103 cm
- ▶ 45 Kg

POWER SUPPLY

- ▶ 115V/230V 50-60Hz 1840VA

