

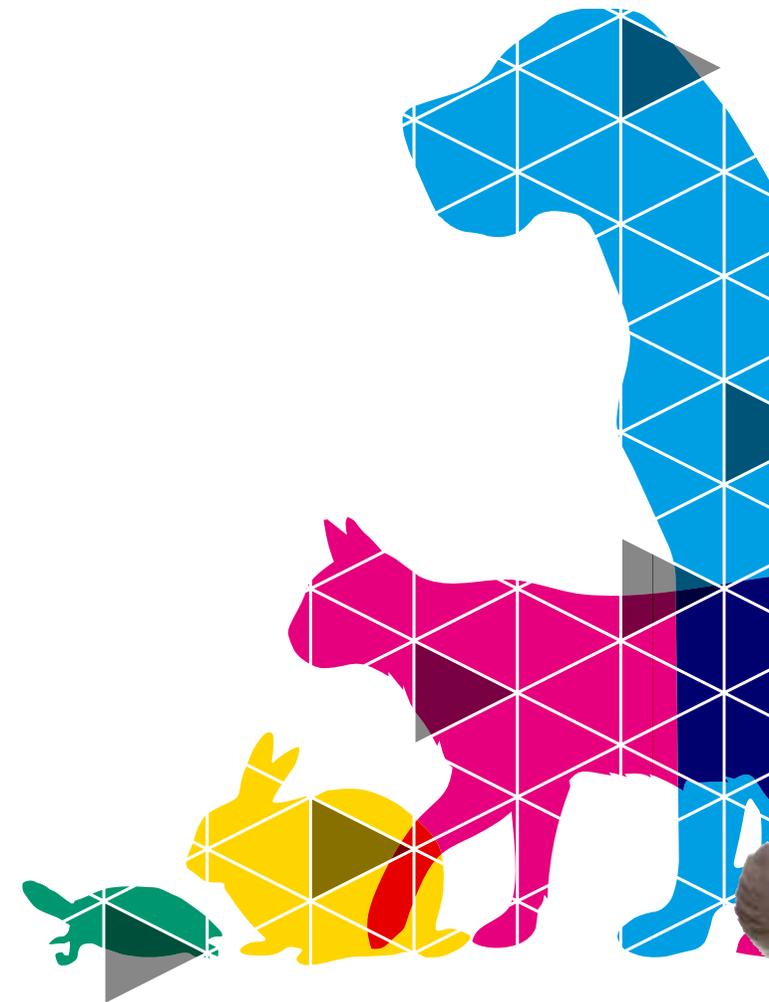
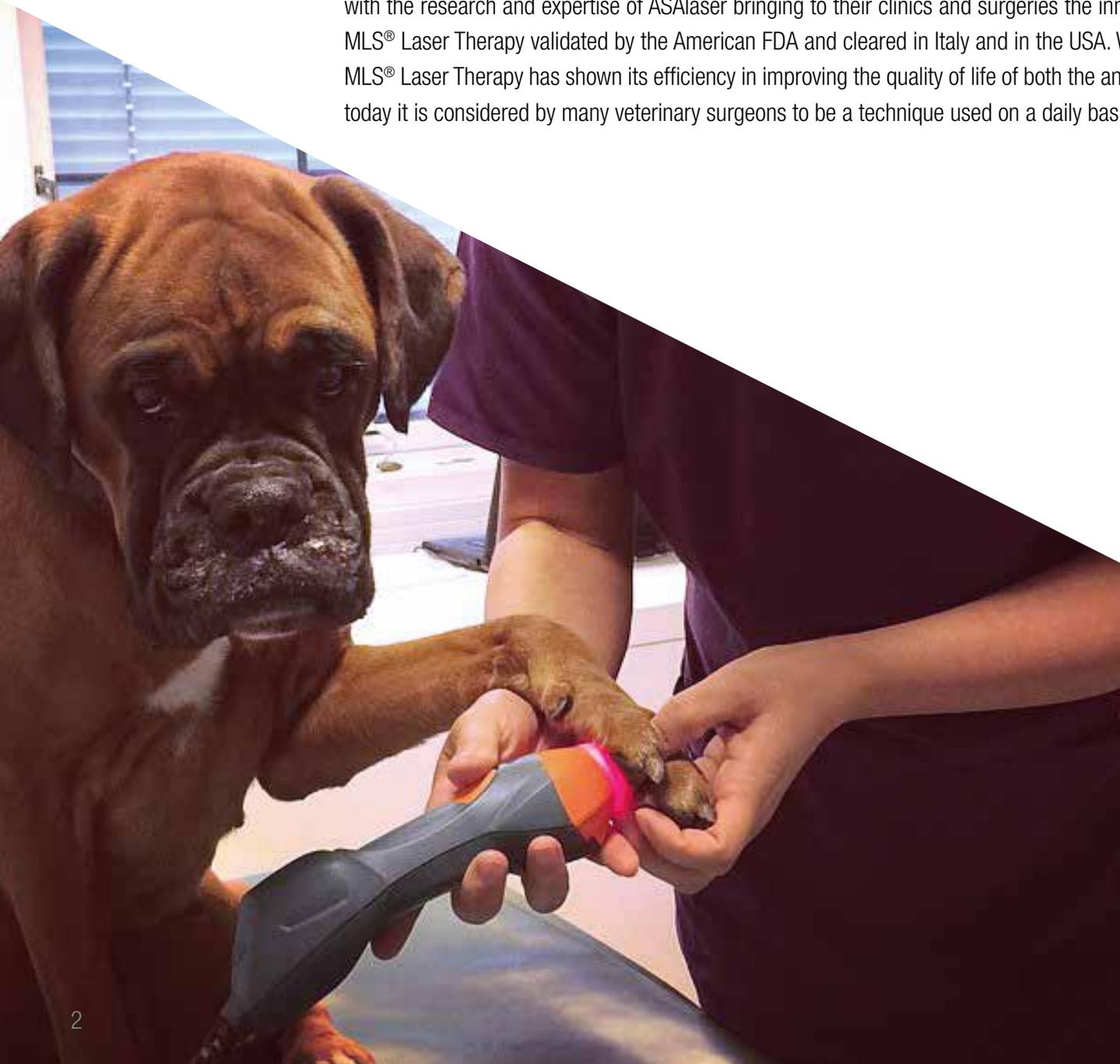


Thanks

A S A L A S E R
V E T E R I N A R Y

Thanks to an innovative technique, lasers and veterinarians work together.

ASAveterinary provides veterinarians with the research and expertise of ASALaser bringing to their clinics and surgeries the innovative therapeutic technique of MLS® Laser Therapy validated by the American FDA and cleared in Italy and in the USA. Widely used in the United States, MLS® Laser Therapy has shown its efficiency in improving the quality of life of both the animal and its owner, so much that today it is considered by many veterinary surgeons to be a technique used on a daily basis.



For many important conditions.

Safe, non-invasive and painless, MLS® Laser Therapy is indicated for the treatment of several conditions affecting small and exotic animals.



SMALL ANIMALS

- ▶ Alopecia (non inflammatory)
- ▶ Bacterial skin infections
- ▶ Contusions, hematomas and edema
- ▶ Degenerative articular pathologies
- ▶ Disc pathologies
- ▶ Eosinophilic granulomas
- ▶ Fractures
- ▶ Gingivitis-Stomatitis
- ▶ Healing of surgical wounds
- ▶ Hot spot
- ▶ Muscular contracture
- ▶ Muscular sprains and strains
- ▶ Musculoskeletal trauma
- ▶ Pain and inflammation
- ▶ Perianal fistulae
- ▶ Superficial cutaneous lesions (wounds, ulcers, sores)
- ▶ Tendon lesions (acute and chronic)
- ▶ Trigger point

EXOTIC ANIMALS

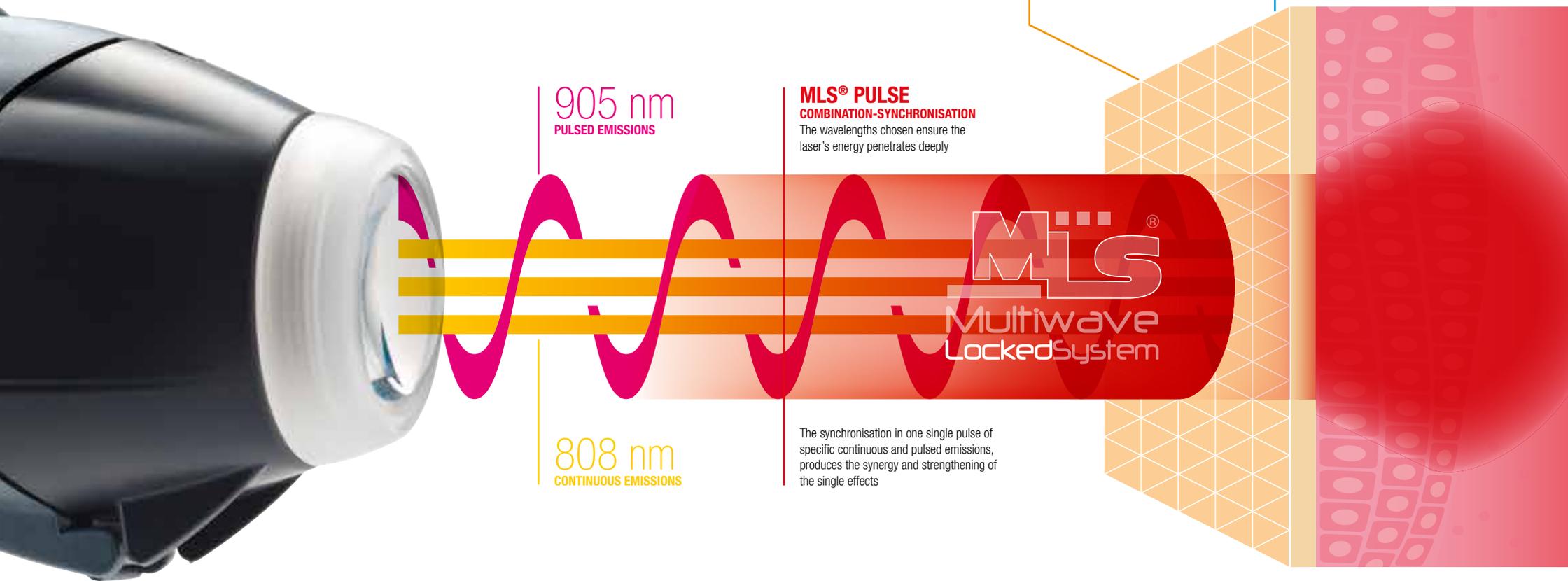
- ▶ Abscess and post extraction therapy
- ▶ Alopecia
- ▶ Anal glands inflammation
- ▶ Carapace lesions
- ▶ Cloacitis
- ▶ Degenerative articular pathologies
- ▶ Feather loss
- ▶ Fractures
- ▶ Gingivitis-Stomatitis
- ▶ Inflammations (acute and chronic)
- ▶ Oral fistulae
- ▶ Pain (acute and chronic)
- ▶ Pododermatitis
- ▶ Pruritus
- ▶ Superficial cutaneous lesions (wounds, ulcers, sores)



A S A L A S E R
V E T E R I N A R Y

What makes our laser different from the rest?

Three letters: MLS®. An important achievement in ASAlaser research, MLS® Laser Therapy (Multiwave Locked System) overcomes the limitations of traditional laser therapy guaranteeing brief treatments which are effective from the very first session and with long lasting results. Based on combined and synchronised emissions, the patient benefits from the advantages of continuous/chopped and pulsed emissions at the same time and in total safety.



Not just any laser, but a laser that works with perfect synchronisation.

MLS® (Multiwave Locked System) combines and synchronises specific continuous and pulsed emissions with different wavelengths. This synchronisation is produced thanks to a patented control system (Multiwave Locked System), which allows modulation of emission type according to requirements. The laser's energy, synchronised and controlled in this way, reaches deep into the tissue to create a more powerful therapeutic anti-inflammatory, anti-edema and analgesic effects speeding up the healing process at the same time.



An optimal and homogeneous distribution of energy.

The synchronised and specific action of MLS® Laser Therapy, produces a refined and complex light pulse, able to transfer light energy more efficiently to the anatomical structures to which the therapy is directed in comparison with traditional laser emissions. Its distribution to the tissues is homogenous. This way of delivering energy facilitates activation of the photoreceptors of the treated area, thanks to the target area delimited by the handpiece, including at the same time a large area of the tissues beneath it.

Perfect synchronisation equals optimal results. Here they are.

- 1** Synergy and strengthening of the anti-inflammatory, analgesic, anti-edema effects
- 2** Rapid reduction of pain
- 3** Rapid healing of superficial lesions (wounds, sores)
- 4** Rapid recovery of the structural integrity of damaged tissue
- 5** Improvement of local blood circulation
- 6** Improvement in quality of life of the animal and its owner
- 7** Short treatment length and fewer treatments required

A S A L A S E R
V E T E R I N A R Y



MLS® has been scientifically proven. On ASAcampus.

The efficiency and safety of MLS® Laser Therapy have been proved scientifically in ASAcampus, ASA Research Division and the Joint Laboratory at the Department of Experimental and Clinical Biomedical Sciences, University of Florence - Italy. Working closely with an international network of researchers, among which the Department of Clinical Veterinary Science of the University of Padua, ASAcampus has enabled us to showcase the validity of our work by identifying the specific biological interactions and the three important therapeutic effects of the MLS® pulse (photochemical, photothermal, photomechanical).

Special thanks to all our patients that, every day, are living proof of the value of our work through our clinical cases.

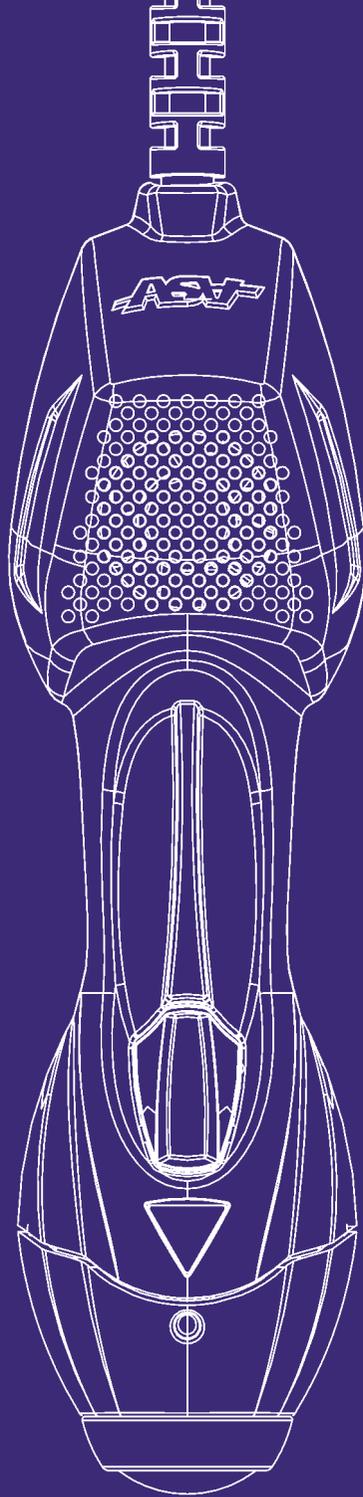
Success stories, clinical practices, case studies and testimonials: MLS® Laser Therapy stories told through videos, photos and personal experience.



ASAveterinary for You.

Work in the best way possible.

In order to make MLS® Laser Therapy work at its best for you, ASAveterinary puts several services and integrated support networks at your disposal.



TRAINING

ASAveterinary organizes informative training on the equipment purchased, in depth seminars and national and international conventions which aim to provide clear and thorough information on the advantages of MLS® Laser Therapy.



SCIENTIFIC DATA AND INFORMATIVE MATERIAL

All informative tools created by ASAveterinary may also be provided to you in electronic format.



TECHNICAL SERVICE

Guaranteed by more than 30 years of ASA's expertise, our technical service is always at your disposal to answer any questions or respond to any needs you may have.



WEBSITE www.asaveterinary.com

We invite you to consult our website in order to be fully informed and updated on the world of ASAveterinary.



HELP ON-LINE on the website

Our Veterinary Surgeons are at your disposal to answer any technical, operational and scientific queries you may have.



ASAVETERINARY APP

An app for tablet use entirely dedicated to the use of MLS® Laser Therapy in veterinary medicine: tutorials, videos, a selection of documented medical cases dedicated to single illnesses.



How can MLS® Laser Therapy benefit your practice?
Calculate your ROI.



A S A L A S E R
V E T E R I N A R Y

Mphi Vet



MLS® Laser Therapy easy to use wherever you are. Its main feature being a maximum emission of **25 W**, the Mphi Vet device allows you to have the advantages of MLS® Laser Therapy at any location: at your surgery or at the patient's home.

The lens of the handpiece covers a Target Area of 2 cm diameter, making it easier to activate the photoreceptors of the area treated and involving at the same time a large area of the underlying tissue.

Its ergonomic handpiece, ideal for spot-treating or overall scanning, has been designed to guarantee maximum performance over time.



Compact in size and lightweight, it comes equipped with a battery so that it may be used outside, without an electric cable.





The filter for hair and dirt ensures optimum efficiency during each treatment.



An advanced user interface equipped with a graphic retro-illuminated touch-screen colour display makes working with the device as easy as possible. The software is conceived to meet all your different requirements offering you complete operational modes.

Mphi Vet Trolley: a complete solution, designed for your surgery.

Mphi Vet Trolley is designed to combine the effectiveness of MLS® Laser Therapy with the best user friendliness. The ergonomic trolley is in fact perfect for holding Mphi Vet and its accessories: the device may be moved freely around your surgery so you can always have it close by the area on which you are working.



Mphi Vet **ORANGE**

MLS® Laser Therapy is easy to use, anywhere. And with a peak power of 75 W.

Imagine all the qualities of Mphi Vet: autonomy, user-friendly for its portable lightweight and compact nature. Now add to all this the achievements of ASA research: we would like to introduce you to Mphi Vet Orange.

MLS® sources have a peak power of **75 W** and an average power of up to 1.2 W, used to the full thanks to the synchronisation of emissions (continuous/chopped and pulsed), which enables to reach the depths of the tissue, whilst ensuring complete safety against heat damage.



Thanks to the higher peak power one may act on the source of pain more directly, increasing the anti-inflammatory effects, speed up the anti-edema effect and promote activation of cellular regeneration processes.



VISIBLE AND INVISIBLE LASER
RADIATION AVOID OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION.
CLASS 4 LASER PRODUCT.

Thanks to the interchangeable head of the handpiece, the standard lens (Target Area of 2 cm diameter) may be quickly and easily removed and replaced with highly efficient guide lights which are able to direct the laser's rays towards much smaller spots to carry out specific treatments for oral conditions and for laser acupuncture.



The curved guide light is particularly suitable for conditions such as gingivitis and stomatitis, greatly reducing the animal's discomfort and the difficulties for those carrying out the treatment. The conical guide light, short and with a spot measuring only 4 mm in diameter, has been designed for laser acupuncture.



The filter for hair and dirt ensures maximum efficiency during each treatment.



Software for an even more personalised therapeutic approach.

Mphi Vet Orange is equipped with software with special protocols for cats, dogs, equine and exotic animals. The desired species may be selected from the main menu and one is guided towards the most suitable protocol. For an even more personalised therapeutic approach, one may change the treatment features of the predefined protocols and create one's own treatment protocols.

Charlie

Charlie: ideal for treating large areas of the body. Use your Mphi Vet to its full potential by adding Charlie, the multidiodic applicator which has an output of up to 3.6 W with a peak power of **75 W** in the version designed for Mphi Vet Orange and an output of up to 3.3 W with a peak power of **25 W** for Mphi Vet. This applicator can cover a Target Area of 5 cm in diameter, making it easier to treat large areas of the body, promoting the myorelaxation of the surrounding zones and reducing treatment times.



Mphi Vet

TECHNICAL CHARACTERISTICS

- ▶ Handpiece with optical group composed of one MLS® source with power up to 1.1 W - Peak Power 25 W
Target Area Ø 2 cm highlighted by high-efficiency red light LEDs
- ▶ Color touch screen display
- ▶ Simultaneous management of two independent channels
- ▶ 18 pre-settled programs for Dogs and Cats
- ▶ 21 pre-settled programs for Equine
- ▶ Possibility to customize every treatment parameter
- ▶ Personal area to save custom protocols
- ▶ MLS® modulation in CPW or FPW mode (Synchronised emission of Continuous Pulsed Waves or Frequenced Pulsed Waves)
- ▶ Modulation frequency from 1 to 2000 Hz with 1 Hz steps
- ▶ Power level 25%, 50%, 75% and 100%
- ▶ Fixed duty cycle at 50% or variable
- ▶ Treatment duration from 1" to 99'59" with 1" steps
- ▶ Automatic calculation of the emitted energy according to the settled parameters

ALARMS AND SAFETY FEATURES

- ▶ Laser emission warning light
- ▶ Interlock
- ▶ Acoustic signal selectable by operator
- ▶ Date and time
- ▶ Password to operate the device
- ▶ Language option
- ▶ Ready to be connected to the remote Laser emission signaling device

INCLUDED ACCESSORIES

- ▶ N° 2 Laser Safety Goggles
- ▶ Unit carrying case
- ▶ Table handpiece holder
- ▶ Shoulder strap for portable use

SIZE AND WEIGHT

- ▶ 36 x 28 x 10 cm; 3 kg

POWER SUPPLY

- ▶ Lithium polymer battery
- ▶ External power supply 18Vdc 50VA

OPTIONAL ACCESSORIES

- ▶ Trolley-Unit carrying
- ▶ Multidiode applicator Charlie

Mphi Vet Trolley

TECHNICAL CHARACTERISTICS

- ▶ Handpiece with optical group composed of one MLS® source with power up to 1.1 W - Peak Power 25 W
Target Area Ø 2 cm highlighted by high-efficiency red light LEDs
- ▶ Color touch screen display
- ▶ Simultaneous management of two independent channels
- ▶ 18 pre-settled programs for Dogs and Cats
- ▶ 21 pre-settled programs for Equine
- ▶ Possibility to customize every treatment parameter
- ▶ Personal area to save custom protocols
- ▶ MLS® modulation in CPW or FPW mode (Synchronised emission of Continuous Pulsed Waves or Frequenced Pulsed Waves)
- ▶ Modulation frequency from 1 to 2000 Hz with 1 Hz steps
- ▶ Power level 25%, 50%, 75% and 100%
- ▶ Fixed duty cycle at 50% or variable
- ▶ Treatment duration from 1" to 99'59" with 1" steps
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ALARMS AND SAFETY FEATURES

- ▶ Laser emission warning light
- ▶ Interlock
- ▶ Acoustic signal selectable by operator
- ▶ Date and time
- ▶ Password to operate the device
- ▶ Language option
- ▶ Ready to be connected to the remote Laser emission signaling device

INCLUDED ACCESSORIES

- ▶ N° 2 Laser Safety Goggles
- ▶ Unit Carrying case
- ▶ Table handpiece holder
- ▶ Shoulder strap for portable use
- ▶ Trolley-Unit carrying

SIZE AND WEIGHT

- ▶ 63 x 54 x 85 cm; 20 kg

POWER SUPPLY

- ▶ Lithium polymer battery
- ▶ External power supply 18Vdc 50VA

OPTIONAL ACCESSORIES

- ▶ Multidiode applicator Charlie

Charlie

TECHNICAL CHARACTERISTICS

- ▶ Multidiode applicator Charlie with optical group composed of three MLS® sources with power up to 3.3 W - Peak Power 3 x 25 W
Target Area Ø 5 cm highlighted by high-efficiency red light LEDs
- ▶ Endowed with:
 - Unit carrying case
 - Spacer for correct positioning
 - Pistol hand grip
- ▶ **SIZE AND WEIGHT**
- ▶ 11 x 16 x 25 cm; 1 kg

Mphi Vet ORANGE

TECHNICAL CHARACTERISTICS

- ▶ Handpiece with optical group composed of one MLS® source with power up to 1.2 W - Peak Power 75 W
Target Area Ø 2 cm highlighted by high-efficiency red light LEDs
- ▶ Color touch screen display
- ▶ Simultaneous management of two independent channels
- ▶ 20 pre-settled programs for Dogs and Cats
- ▶ 21 pre-settled programs for Equine
- ▶ 41 pre-settled programs for Exotic Animals parted in Reptiles, Birds and Mammals
- ▶ Program section for Laser acupuncture
- ▶ Program section for Intraoral pathologies
- ▶ Possibility to customize every treatment parameter
- ▶ Personal area to save custom protocols
- ▶ MLS® modulation in CPW or FPW mode (Synchronised emission of Continuous Pulsed Waves or Frequenced Pulsed Waves)
- ▶ Modulation frequency from 1 to 2000 Hz with 1 Hz steps
- ▶ Power level 25%, 50%, 75% and 100%
- ▶ Fixed duty cycle at 50% or variable
- ▶ Treatment duration from 1" to 99'59" with 1" steps
- ▶ Automatic calculation of the emitted energy according to the settled parameters
- ▶ **ALARMS AND SAFETY FEATURES**
- ▶ Laser emission warning light
- ▶ Interlock
- ▶ Acoustic signal selectable by operator
- ▶ Date and time
- ▶ Password to operate the device
- ▶ Language option
- ▶ Ready to be connected to the remote Laser emission signaling device
- ▶ **INCLUDED ACCESSORIES**
- ▶ N° 2 Laser Safety Goggles
- ▶ Unit carrying case
- ▶ Table handpiece holder
- ▶ Shoulder strap for portable use
- ▶ Laser puncture kit
- ▶ Light guide for Intraoral Pathology Treatment
- ▶ **SIZE AND WEIGHT**
- ▶ 36 x 28 x 10 cm; 3 kg
- ▶ **POWER SUPPLY**
- ▶ Lithium polymer battery
- ▶ External power supply 18Vdc 50VA
- ▶ **OPTIONAL ACCESSORIES**
- ▶ Trolley-Unit carrying
- ▶ Multidiode applicator Charlie Orange

Mphi Vet Trolley ORANGE

TECHNICAL CHARACTERISTICS

- ▶ Handpiece with optical group composed of one MLS® source with power up to 1.2 W - Peak Power 75 W
Target Area Ø 2 cm highlighted by high-efficiency red light LEDs
- ▶ Color touch screen display
- ▶ Simultaneous management of two independent channels
- ▶ 20 pre-settled programs for Dogs and Cats
- ▶ 21 pre-settled programs for Equine
- ▶ 41 pre-settled programs for Exotic Animals parted in Reptiles, Birds and Mammals
- ▶ Program section for Laser acupuncture
- ▶ Program section for Intraoral pathologies
- ▶ Possibility to customize every treatment parameter
- ▶ Personal area to save custom protocols
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- ▶ Modulation frequency from 1 to 2000 Hz with 1 Hz steps
- ▶ Power level 25%, 50%, 75% and 100%
- ▶ Fixed duty cycle at 50% or variable
- ▶ Treatment duration from 1" to 99'59" with 1" steps
- ▶ Automatic calculation of the emitted energy according to the settled parameters
- ▶ **ALARMS AND SAFETY FEATURES**
- ▶ Laser emission warning light
- ▶ Interlock
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- ▶ **INCLUDED ACCESSORIES**
- ▶ N° 2 Laser Safety Goggles
- ▶ Unit carrying case
- ▶ Table handpiece holder
- ▶ Shoulder strap for portable use
- ▶ Trolley-Unit carrying
- ▶ Laser puncture kit
- ▶ Light guide for Intraoral Pathology Treatment
- ▶ **SIZE AND WEIGHT**
- ▶ 63 x 54 x 85 cm; 20 kg
- ▶ **POWER SUPPLY**
- ▶ Lithium polymer battery
- ▶ External power supply 18Vdc 50VA
- ▶ **OPTIONAL ACCESSORIES**
- ▶ Multidiode applicator Charlie Orange

Charlie ORANGE

TECHNICAL CHARACTERISTICS

- ▶ Multidiode applicator Charlie with optical group composed of three MLS® sources with power up to 3.6 W - Peak Power 3 x 75 W
Target Area Ø 5 cm highlighted by high-efficiency red light LEDs
- ▶ Endowed with:
 - Unit carrying case
 - Spacer for correct positioning
 - Pistol hand grip
- ▶ **SIZE AND WEIGHT**
- ▶ 11 x 16 x 25 cm; 1 kg

ASL

A S A L A S E R

Research and Therapeutic Solutions

Hilterapia®

MIS
Multiwave
LockedSystem

Qs
Magnetotherapy



ASA srl

CORPORATE HEADQUARTERS / REGISTERED OFFICE
Via Alessandro Volta, 9 / 36057 Arcugnano (VI) - Italy
T +39 0444 28 92 00 / F +39 0444 28 90 80
asalaser@asalaser.com

RESEARCH DIVISION / BRANCH
Joint Laboratory Department of Experimental and Clinical
Biomedical Sciences University of Florence
Viale G. Pieraccini, 6 / 50139 Firenze - Italy
asacampus@asalaser.com

asaveterinary.com

