

FIXLITE

HLLTECHNOLOGY

AN INNOVATIVE SYSTEM THAT
COMBINES **DIODE LASERS (HLLT)**
AND A **PHOTOACTIVE SOLUTION**

PATENT **FIXLITE®**



What's in the box?

- Compact laser unit 14 cm (l) x 15 cm (h) x 24cm (d)
- Laser transmission fibre integrated with handpiece
- Control pedal
- 3 pairs of safety glasses
- External mains power adaptor
- 1 USB cable
- 1 tip bender
- 1 pack of 4 x 400-micron interchangeable single-use tips
- 1 user's manual

1 • FixLite® stimulates an antimicrobial reaction by combining two products, a diode laser and a photoactive solution.

2 • FixLite® was developed for the detoxification and biostimulation of gingival and osseous tissues.

3 • FixLite® is designed to be simple enough for everyday use in the treatment of mucositis, gingivitis, peri-implantitis, periodontitis and abscesses, for improving the safety of the post-extraction implant process, for managing secondary intention surgical wound closure, for cleaning the alveoli, for assisting the regeneration of both hard and soft tissues, and for managing surgical

complications caused by bacterial inflammation.

4 • FixLite® has been designed to be ready to use immediately upon supply and is intended for decontamination, regeneration, peri-implantitis, and medium and light biostimulation.

5 • The FixLite® system can be preset for specific functions thanks to the programmes and rigid protocols loaded into the system. Furthermore, it is effective on all tissue types and implant surfaces.

6 • FixLite® is also supplied ready for use in soft-tissue surgery, endodontics, whitening and various other treatments.

Features:

- Compact laser unit 14 cm (l) x 15 cm (h) x 24cm (d) with 4.3 “color chart” screen
- Interchangeable tips
- Multi-tip handpiece
- USB port

Customised software featuring five preset clinical programmes for treating: **1.** Peri-implantitis
2. Regeneration / **3.** Periodontal decontamination
4. Light biostimulation / **5.** Medium biostimulation

The solution:

FixLite® biostimulation solution has been PATENTED. An innovative solution with anti-microbial and biostimulation properties. FixLite®’s precise patented formula is an industrial secret.

Solution packages:

The solution is supplied in 4 strips, each containing 5 single-use 1.5-ml phials. On average, one strip is sufficient for complete treatment of one patient.

The patented FixLite® technique:

- 1** • An example of PHOTODYNAMIC THERAPY, which is to say the deactivation of cells, microorganisms or molecules using HIGH INTENSITY light (HLLT – High Level Laser Therapy), rather than heat, employing a DIODE laser to achieve deep penetration of tissues.
- 2** • Using this laser in combination with the patented solution enables:
 - 2a)** maximal penetration; the wavelengths used can penetrate up to 2 cm into gingival and osseous tissues.
 - 2b)** the avoidance of thermal effects, due to a low average power.
 - 2c)** effective ANTIMICROBIAL action and BIOSTIMULATION of tissues thanks to the properties of the patented solution. **2d)** the production of singlet oxygen thanks to the use of high frequencies.
- 3** • It is a well-documented technique that has been used in the dental sector for more than 15 years.
- 4** • For the treatment of PERI-IMPLANTITIS, PERIODONTITIS, BONE REGENERATION and ENHANCED BIOSTIMULATION of tissue.

Benefits of FixLite®:

- 1** • The DIODE laser stimulates detoxification, microbe elimination and biostimulation processes, even at depth.
- 2** • HLLT therapy guarantees elevated levels of tissue decontamination compared to the superficial effects of the LLLT (Low Level Laser Therapy) currently on the market.
- 3** • FixLite® solution is highly effective for three reasons:
 - 3a)** it is transparent, and does not impede the effects of the laser.
 - 3b)** it produces antimicrobial effects and detoxifies without the use of a colouring agent. **3c)** it penetrates deeply, achieving enhanced levels of detoxification.
- 4** • The system is safe and follows preset protocols based on 15 years of documented use.
- 5** • Free, specialised training for medical practitioners.

For the treatment and cure of:

Peri-implantitis | Periodontitis | Mucositis | Abscesses | Gingivitis. Also for use in: detoxification prior to surgery; anti-microbial protection following cyst removal; biostimulation of tissues to promote regeneration.

Comparisons with our competitors:

- 1** • FixLite® uses photodynamic HLLT (High Level Laser Therapy). Other commercially available lasers employ photodynamic LLLT (Low Level Light Therapy).
- 2** • FixLite® uses a diode laser in combination with a patented solution that acts on bacteria within the tissue, whether a colouring agent has been used or not. Other commercially available laser systems require the use of colouring agents. These (our main competitors) have been shown to be relatively ineffective because they eliminate only those bacteria that are coloured by the solution, and/or those struck directly by the laser, meaning they are effective only on superficial layers and not deep within the tissue.
- 3** • The efficacy of the FixLite® is not compromised by the presence of air pockets during treatment.
- 4** • Treatment is faster than the long processes involved in applying competing treatment products.