

WHY LITETOUCH™?

- LiteTouch™ revolutionary technology, the “Laser-in-Handpiece”, integrates the entire laser mechanism into the handpiece, creating a direct energy delivery system.
- LiteTouch™ includes a “Gentle Treatment” package with sub ablative low energies.
- LiteTouch™ safely decontaminates implant surfaces without changing the implant structure. It is the optimal laser for Peri-implantitis treatments.
- LiteTouch™ is the most ergonomic laser, with almost no limitation of hand movement, allowing easier access to all areas in the oral cavity.
- LiteTouch™ new touchscreen includes a friendly and intuitive user interface, making it simple and easy to use during treatments.
- With LiteTouch™ there is no need for complicated calculations. The software includes an array of adjustable pre-sets for selected procedures.

LiteTouch™ unique handpiece design, allows

- easy use, requiring only a very short learning period.

LiteTouch™ is the smallest Er:YAG dental laser

- in the industry. It is completely portable and can easily fit into any dental clinic.

LITETOUCH™

Er:YAG Laser-in-Handpiece



- Minimally Invasive
- Laser for All-Tissues
- The Smallest & Most Handy Laser



Perfect for Kids



No Vibration



Kill Germs

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LIGHT INSTRUMENTS
RISE ABOVE TECHNOLOGY

Pediatric Dentistry



LITETOUCH™

Er:YAG Laser-in-Handpiece

PREVENTION AND CARIES

With LiteTouch™ Er:YAG laser it is possible to reach the treatment objective with a minimal amount removal of health tissue, integrating prevention, remineralization and minimal intervention for caries treatment. LiteTouch™ laser ablates small areas of between 0.8 and 1.3mm in diameter (depending on the selected tip diameter), in an ablating mode of layer by layer. Ablating at a distance offers the possibility of a good visual operating area for immediate control during the caries elimination with the Er:YAG laser. This helps in reaching one of the most important goals of MID - the maximum conservation of dental tissue.

The bactericidal feature of the Er:YAG laser on dentin surface, demonstrated by many authors and in different studies, guarantees the good disinfection of the contaminated dentin and prevents failure of the restoration process (secondary caries). Furthermore, it prevents possible future pulp complications. The antimicrobial effect of the LiteTouch™ laser can also permit good disinfection of the occlusal pit and fissures, even in the deep one.

Moreover, the laser irradiation makes the enamel more resistant to caries attack.



CHILDREN'S COMPLIANCE

During childhood, the perception of dental sessions as a "positive experience" is not only important for the success of the treatment itself, but also to avoid a new generation of odontophobic patients.

One of the behaviour management techniques used today in Paediatric Dentistry applicable in all the phases of the growth and development of the child, is the TELL-SHOW-DO.

LiteTouch™ laser technology can be successfully used in the TELL-SHOW-DO behaviour management technique in paediatric dentistry because the LiteTouch™ laser resembles a SPACE TOY and certainly does not resemble a medical instrument.

When using LiteTouch™ Er:YAG laser, the annoying sensation of high frequency vibrations generated by the rotary instruments and the anxiety provoked by the noise of the conventional method (drill), is eliminated by the noncontact mode of Er:YAG laser and its gentle sound. Additionally, the amount of injected local anesthetic can be reduced in many of the paediatric dental treatments.



MINIMAL INVASIVE SURGERY

With the LiteTouch™ laser it is possible to perform microsurgery, cutting, ablating and tissue sculpting with minimal trauma to the below and surrounding tissues.

The small tissues surface, cut or ablated by the LiteTouch™ tips (0.2 mm to 1.00 mm in diameter), ensures precise surgery, preserving the surrounding tissues and the vascularization.

The bactericidal property of the Er:YAG laser, creates a disinfected field during surgery, thus reducing the need for antibiotic coverage and yet guaranteeing less infectious postoperative complications.

The low hemostatic capacity of the LiteTouch™ Er:YAG laser allows sufficient bleeding for a good blood clot formation, inducing rapid wound healing.

Surgery is simple to perform with LiteTouch™ laser offering minimal discomfort to the child resulting in favourable wound healing without inflammatory consequences. Last but not less important is the Child's Compliance in Oral Surgery. Achieving it with the LiteTouch™ Er:YAG laser is easier than with conventional surgery.

