Manufacturer News

FOTONA

Fotona Gets Patent for its TouchWhite Tooth Bleaching Tx

Fotona, a leading developer and manufacturer of dental laser systems, has received a patent for its TouchWhite™ minimally-invasive laser tooth bleaching procedure.

TouchWhite™ utilizes the Er:YAG laser to activate the bleaching gel on the tooth's surface using Fotona's VLP pulse mode. The benefits of using the Er:YAG wavelength's high absorption in water means that, unlike with Nd:YAG or diode lasers, any bleaching gel color can be used because bleaching gels primarily consist of water. With TouchWhite™ patient safety and comfort are not a concern.

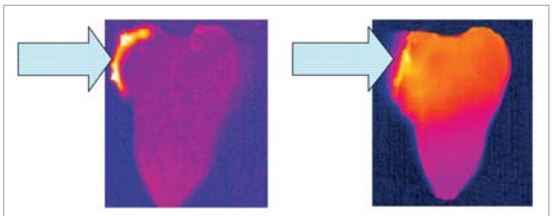


Fig. 1_With TouchWhite™ only the gel is heated (a), while with standard laser whitening the entire tooth is heated (b).

The Er:YAG laser power in the TouchWhite™ technique, is utilized more effectively, and the gel can be heated to higher temperatures without compromising the safety of the tooth or pulp because laser light is fully absorbed in the gel.

As a consequence, the TouchWhite™ procedure is extremely gentle and the tooth whitening speed can be safely increased by 5–10 times.

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KAVO

Greater performance for more efficiency

The KaVo KEY 3 plus LASER with its gentle, effective and low-pain application in periodontics, conservative dentistry, endodontics and surgery has been well established in dental practices since 2009.



Through greater ablation speed in hard dental tissue and bone, treatment length is significantly reduced compared to conventional LASERs. Fine ablation with variable pulse length also permits finishing the cavity margins. As a result, better aesthetics can be achieved than with conventional technologies. In periodontics, the unique feedback system of the KEY 3 plus LASER allows the selective, complete and low-pain removal of calculus, with excellent protection of the root support structures. Bacteria are killed and any biofilm on the tooth surface is dehydrated and deactivated. The periodontic handpiece 2261 is small and features an impressively easy exchange of application tips.

In conservative therapy, the Er:YAG LASER is suitable for caries preparation, enamel/dentine conditioning and fissure sealing. With the aid of the special, caries contact handpiece, the diseased tissue may be removed with direct intimate contact of the tooth surface, while using the feedback system.

Furthermore, the KEY 3 plus LASER is suitable for numerous other indications in endodontics and surgery, such as drying and sterilising the root canal, implant exposure and root tip resection.

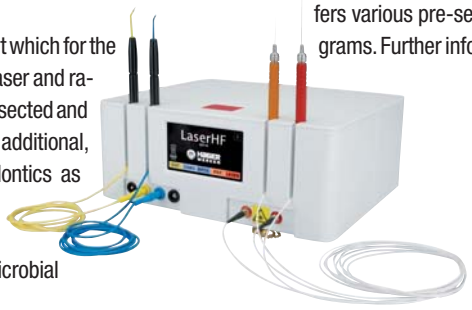
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HAGER & WERKEN

Radio frequency and laser combined for the first time

LaserHF® from Hager & Werken is a combined unit which for the first time offers two technologies in one device: laser and radio frequency. While tissue can be perfectly cut, resected and coagulated with radio frequency, the laser offers additional, fascinating applications in endodontics, periodontics as well as in implant surgery. On top of that, new approaches, such as the tissue treatment in therapeutic terms (Low Level Laser Therapy) and antimicrobial photodynamic therapy (aPDT) can be carried out. LaserHF includes two types of laser: A diode laser with 975 nm/6 W and a diode soft laser with 650 nm/100 mW for LLLT and aPDT. An easy to use touch-screen offers 15 pre-set programs in the laser unit (10 x diode laser, 5 x diode soft laser). The radio frequency-unit offers various pre-set programs. Additionally the user can save individual programs. Further information is available at www.hagerwerken.de.



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SIRONA

SIROLaser Advance & Xtend: intuitive, intelligent, universal

Laser therapy combines modern dentistry and up to date patient treatment. By using a diode laser, dentists fulfill the wishes of their patients: having an alternative or an addition to a conventional treatment. Sirona, the dental technology leader, offers two options for less experienced users and experts: SIROLaser Xtend with the up-grade-ready option and SIROLaser Advance. Both dental lasers offer a universal treatment spectrum: effective germ reduction, minimal invasive surgery, support during CEREC restaurations, herpes treatment and bleaching.

Dentists are able to handle the large spectrum of applications right from the start—even without operating instructions. Thanks to the intelligent software and intuitive user navigation, they can get the application programme they need quickly via touchscreen—and they will also find their way quickly back to the main menu.



The use of SIROLaser Advance and SIROLaser Xtend will result in happier patients. The stress-free treatment is efficient, causes hardly any pain and achieves stable good clinical results. Countless users and patients around the world agree. With these diode lasers Sirona offers dentist state-of-the-art devices and product quality that stands the tests of the time; along with a complete range of accessories, easy-to-use consumables and the expertise of the company located in Bensheim. All this means treatment with SIROLaser Advance and SIROLaser Xtend is treatment without stress. Further information about lasers can be found under: www.sirona.com.

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SYNERON DENTAL LASERS

Amongst top ten fastest growing companies in Israel

Syneron Dental Lasers, inventor of the LiteTouch and Laser-in-Handpiece technology has been ranked 9th in the prestigious 2011 Deloitte Technology Fast 50 competition in Israel. Deloitte's Technology Fast 50 is a global program that recognizes the 50 fastest growing public or private technology companies in each region. To determine the fastest growing companies, Deloitte reviewed fiscal year revenues over five years (2006–2010), calculated the revenue growth percentage over five years, and compared the growth of technology companies.

"It is an honor to be recognized as one of the top ten fastest growing technology companies in Israel by



a respected organization such as Deloitte," said Ira Prigat, President and General Manager at Syneron Dental Lasers. "Our company's Laser-in-Handpiece innovation has played a pivotal role in transforming the way practitioners perform dental treatments today. Just as the mobile phone freed our world from wires, so has the LiteTouch freed dentists from the use of traditional tools and bulky optic fibers, making laser dentistry completely portable."

According to the manufacturer, LiteTouch is the world's smallest versatile Er:YAG dental laser for both hard and soft tissue dental treatments. The unique Laser-in-Handpiece technology incorporated in the LiteTouch offers a fiber-free laser delivery mechanism that mimics the feel of the turbine drill but with all the benefits of laser. The laser energy is swiftly delivered to the tissue, providing supreme cutting power and precise incision for soft tissue and bone. On November 24th, Syneron Dental Lasers ranked 119th in the Deloitte Technology Fast 500 EMEA program, and 8th among the 32 companies in the Biotech/Pharmaceuticals/Medical Device Equipment sector in Europe.

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A.R.C. Laser

A.R.C. Laser convinces with EmunDo®

An increasing number of users speak on their enthusiasm concerning the positive impact of the entirely new Photodynamic Therapy. They are reporting of the simple and gentle laser-method to treat periodontitis.

For the first time in dental history, PDT is considered to achieve consistently effective and predictable outcomes in combination with a normal FOX diode laser.



The colorant EmunDo®—stimulated through the laser—generates aggressive singulett oxygen. As a consequence EmunDo® kills effectively all gram-positive and all gram-negative bacteria particularly in the periodontal therapy. Patients which have had problems with antibiotics and its side effects in the past, can be relieved now. EmunDo® is not only any kind of PDT agent—it is a acknowledged therapy concept based on wide-range studies and the direct cooperation with AALZ Aachen, Germany.

Unique selling point for your office:
– 100 % anti-bacterial impact
– even germs in tissue are accessible
– Reliable therapy concept.

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