Manufacturer News

Fotona

TwinLight™ by Fotona

It is a well-established fact that different dental procedures require different laser wavelengths. Wavelength is important because specific body tissues interact in unique ways depending on the particular laser source. With the choice of two complementary wavelengths (in terms of their effect on tissues) Fotona's award-winning dental laser, the LightWalker, comes very close to being a "universal" laser. Laser-assisted dental treatments can be performed with either the most highly absorbed Er:YAG laser wavelength or the most homogeneously absorbed Nd:YAG laser wavelength.



LightWalker's TwinLight™ Treatment Concept combines these two premium wavelengths in one laser system, enabling practitioners to perform not only single-wavelength but also dual-wavelength (TwinLight™) treatments. Utilizing both of the two wavelengths in a single treatment makes optimum use of the unique laser-tissue interaction characteristics of each wavelength. For example, Nd:YAG laser energy is superior for coagulation and deep disinfection, while Er:YAG is uniquely efficient in ablating hard and soft tissues. Combined, they can dramatically improve the outcome of endodontic, periodontal and surgical treatments, guaranteeing maximum safety and efficacy.

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KaVo

KaVo DIAGNOdent Perio probe: reliable and comfortable detector of calculus

The KaVo DIAGNOdent pen is well-known to be a unique instrument for the detection of caries. It can identify healthy and unhealthy tooth substance quickly and reliably by means of varying fluorescence. In addition to caries detection, the DIAGNOdent system can be used with a special Perio probe for the reliable and comfortable detection of periodontitis. The Perio probe detects concrements in the deepest pockets reliably and without pain, despite the presence of saliva or blood. It is therefore



an ideal control instrument after root cleaning. A gentler, more thorough cleaning of the pockets can thereby be achieved with a substantially enhanced healing. The readings of the DIAGNOdent pen are communicated as digital and acoustic signals which communicate the need for treatment and increased compliance to the patient.

Clinical studies confirm that the use of the DIAGNOdent Perio probe for the detection of calculus and an increased control of the treatment improves the postoperative bleeding index and noticeably reduces pocket depth in comparison to a conventional probe.

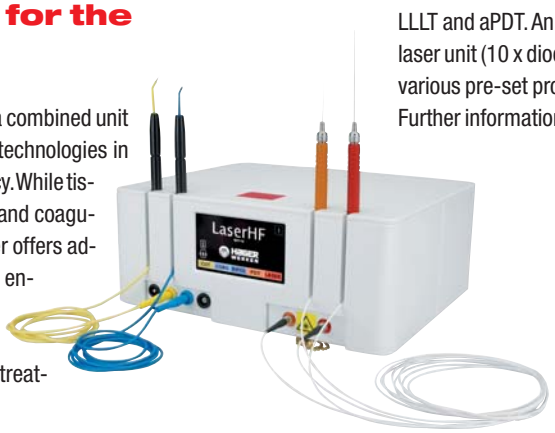
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Hager & Werken

LaserHF—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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A.R.C. Laser

Soft tissue treatment with diode laser

A.R.C. Laser is known as the embodiment of soft tissue treatment with diode laser, and A.R.C. laser Q810/FOX is primarily applied in endodontics and periodontics. The compact high-performance instrument is battery-powered and has gained worldwide reputation for its cost efficiency.

A.R.C. Laser's JAZZ sapphire laser scalpel is the perfect complement to the diode laser: cutting and coagulation can be performed at the same time and the handling of JAZZ is similar to that of any regular surgical scalpel.



EmunDo® is a photodynamic colorant specifically designed for Q810. It was introduced at the IDS 2011 (International Dental Show, Cologne, 2011). EmunDO® allows the therapist to achieve germicidal effects without using antibiotics. Since the colorant only accumulates at inflamed areas, it can be applied selectively. Stimulated by laser, singlet oxygen effectively destroys both gram-positive and gram-negative bacteria in the course of periodontal therapy.

EmunDo® is an approved therapy concept based on extensive research and created in cooperation with AALZ (Aachen Dental Laser Center, Germany).

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Biolase

25th Anniversary in 2012

Biolase, one of the world's leading manufacturers of dental lasers with nearly 20,000 units installed all over the world, is celebrating its 25th anniversary in 2012.

With the new diode laser Waterlase iPlus, Biolase takes the development of dental lasers to the next level and offers faster cutting and an economical design for infinitive productivity. Waterlase iPlus has the highest, most flexible trunk fiber in the history of Biolase and also brings a graphical user interface which opens a new world of clinical capabilities. Biolase's 25 years of experience show in the large variety of tips, accessories and upgrades, and make Waterlase iPlus a superior system of dental lasers. Combined with i-lase, the smallest personal laser system, Waterlase iPlus supports a broad spectrum of laser-assisted treatments by offering dual wavelengths. As a result, both versatility and convenience are increased.



Aside from technical solutions, Biolase and its international partners offer a wide range of postgraduate-training courses as well as permanent technical, scientific and economic support. With this objective in mind, Biolase also is one of the sponsors of this year's WFLD World Congress in Barcelona. Moreover, Biolase has only recently formed a new partnership named Biolase Germany with NMT Munich GmbH. Together with NMT Munich, whose experience with high-tech and state-of-the-art laser systems also dates back 25 years, Biolase plans to offer number-one support now for its German costumers.

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Philips

Dental Hygienists would recommend Sonicare DiamondClean to each other

Members of the German Society of Dental Hygienists (Deutsche Gesellschaft für Dentalhygieniker/-innen, DGDH e.V.) have put Philips Sonicare DiamondClean through its paces under day-to-day clinical conditions. "Afterwards, 85 % of the users wanted to recommend this sonic toothbrush to their colleagues", reports Sylvia Fresman, chairman of the DGDH.

The dental hygienists especially liked the new brush head: having 44 % more bristles than the head of a ProResults brush, as well as a diamond-shaped arrangement of the bristles, the brush head plays a crucial role in Sonicare's cleansing performance. A total of 89 % of the testers described an intense cleansing experience, with 87 % stating that Sonicare DiamondClean was "pleasantly powerful and effective".



This model of the Philips Sonicare line can clean even hard-to-reach areas, 74 % of the test group confirmed. Moreover, 30 % of the testers stated that they perceived a whitening effect after using Sonicare DiamondClean.

"Most impressive to me was the fact that 65 % of the group said that Sonicare DiamondClean was one of the most remarkable new products in the past IDS year", Sylvia Fresmann adds.

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