Manufacturer News

KaVo

KaVo GENTLEray 980 diode laser: efficient, convenient, expandable

The GENTLEray 980 is a diode laser for soft tissue surgery, decontamination procedures in periodontics and endodontics, as well as for laser-assisted bleaching. The laser is available in two versions – Classic and Premium. The laser light with a wavelength of 980 nm demonstrates minimum absorption in water and high absorption in haemoglobin and melanin. The GENTLEray 980 Classic provides a performance of 6 Watt cw, and can be optionally upgraded to the Premium variation. By contrast, the GENTLEray 980 Premium diode laser is equipped with higher performance (7 Watt cw, 12 Watt peak), and the possibility of micropulsation at a frequency of up to 20,000 Hz. The increased treatment efficiency allows for faster procedures and shortened exposure times. Furthermore, the Premium variation is equipped with a water cooling system (peristaltic pump) which reduces thermal damage, thereby enabling less painful treatment with a reduction in post-operative discomfort. With the aid of the water supply, blood particles remaining after the SRP are rinsed from the pocket, so that in addition to laser-assisted sulcus sterilisation, disepithialization in the pockets can take place more efficiently. In comparison to conventional therapy, treatment with the GENTLEray 980 ensures only light bleeding, reduced swellings and in the course of time, just minor post-operative discomfort.



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elexxion

Two wavelengths and 50 W pulse output in one machine

Among the products they presented at the IDS, elexxion AG, based in Radolfzell (Germany), included their internationally-patented combination laser elexxion delos. The elexxion delos combines two of the most frequently studied and scientifically recognised wavelengths (810 nm and 2,940 nm) in one machine so that both hard and soft tissue can be treated with one single machine. At present, according to elexxion, most applications can be reasonably treated with this combination system. For example, the elexxion delos can be used for the removal of concrements, decontamination, cavity preparation, root resection and bone ablation. Over 100 digitally stored indications can be accessed on a large touch screen and activated at a "touch". Output modifications can be easily and individually fine-tuned. The practitioner saves time, the dosage accuracy is guaranteed.



elexxion delos: 100 digitally stored indications can be easily activated using the touch screen

Especially for periimplantitis therapy and the treatment of biofilm, elexxion has cooperated with the University of Düsseldorf on the development of special sapphire tips. These feature the ability to direct 90% of the laser's power lateral to the surface of the implant. Further advantages of the elexxion delos for soft-tissue applications are: Together with the ultrashort pulse durations of as little as 9 µs, the modern diode technology with its 50 W pulse output enables a gentle, efficient soft-tissue surgery at a speed which, according to elexxion, was previously unattainable. A flexible fibre guide is an additional relief for the dentist during treatment. At the same time, the newly developed fibre increases the output density thanks to an optimized beam profile. This means higher removal speed, for example in the tooth enamel. The machine can be connected comfortably to the internal compressed-air supply or to an external compressed-air supply. The external connection permits the water spray to be precisely adjusted and, thus, improves the removal performance. The elexxion delos combination laser can be purchased in Germany from the specialized distributor Pluradent.

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Sirona

SIROLaser Advance sets new standards of user-friendliness and flexibility

Sirona's SIROLaser Advance combines state-of-the-art laser technology with outstanding user-friendliness. The color touchscreen, clearly structured menus and self-explanatory symbols provide the ideal basis for easy operation. The SIROLaser Advance caters for a broad spectrum of applications. The preset programs ensure quick and effective therapy in the area of periodontics, endodontics, surgery, and pain relief. If required the dentist can view additional information about each individual preset in a help menu.
The dentist is free to adapt the SIROLaser Advance to his or her individual mode of working. Up to 24 different applications can be programmed. In his role as system administrator the dentist can also configure profiles for five additional users. In addition, the SIROLaser Advance anonymously stores the parameter data of each treatment session. For patient documentation purposes this data can be easily transferred to a PC with the aid of a USB flash drive.
The SIROLaser Advance is operated via the light-touch finger switch or via the optional foot control. In combination with the high-power rechargeable battery pack the SIROLaser Advance can be deployed flexibly in the dental practice.



The SIROLaser Advance offers preset therapy programs for the most important laser applications in the field of periodontics, endodontics, surgery and pain relief.

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Omicron

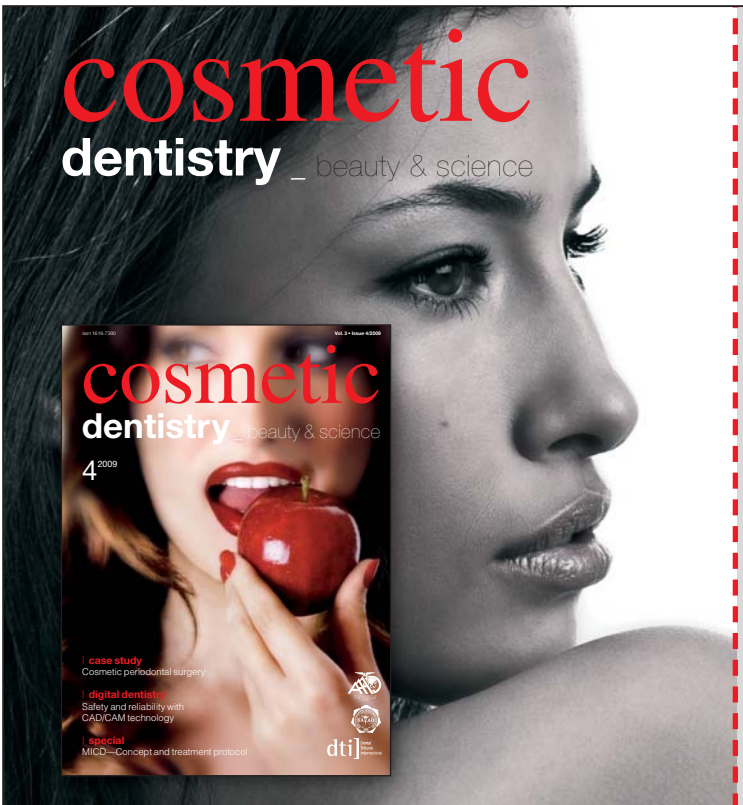
Omicron wins a new Partner for its world-wide Sales Network

The company Omicron-Laserage Laserprodukte GmbH from Rodgau, Germany further expands its worldwide sales network. As from now Omicron products will also be distributed in Singapore and Malaysia in cooperation with the photonic specialist Photonitech. As from now the laser specialist Omicron from Rodgau, Germany will be represented in Singapore and Malaysia by Photonitech Pte Ltd. The Asian sales representative includes the whole Omicron range of products in its portfolio. Founded in 2002 Photonitech is a well-established sales representative in the field of NanoTech, BioTech and SemiCon in Asia. Based in Singapore the specialist distributes customized, high quality products for the fast growing photonic industry in the whole Asia-Pacific region. Besides product distribution the PhotoniTech team also provides consultancy, technical support and product training for Omicron in Singapore and Malaysia. Further information about the distributor is available at www.photonitech.com.

Besides the new sales representative in Singapore, Omicron also has partners in the Benelux countries, China, Germany, England, France, Israel, Italy, Japan, Korea, USA, Scandinavia, Spain, Taiwan and Turkey. Omicrons sales network consists of 17 distributers worldwide.

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