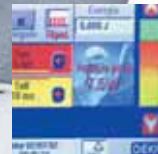


Smarty -A10

Pulsed Nd:YAG Laser



The evolution of laser technology in dentistry

Smart: **laser**line

Smarty -A10

Pulsed Nd:YAG laser

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Smarty-A10 is the tops in Nd:YAG laser technology for odontostomatological treatments. The result of collaboration with universities and research institutes, as well as with hundreds of users who have chosen Nd:YAG applications, **Smarty-A10** is now considered the most valid and reliable dentist's aid, capable of improving and maximizing daily practice while offering undeniable clinical advantages. **Smarty-A10's** advantages are most evident in the following:

- vaporization and coagulation of soft tissues, with the benefit of perfect hemostasis, applicable for improving impressions thanks

- also to the reduction in the need for anesthetics and the total elimination of electrotomes;
- conditioning of enamel, cement and dentine where deep decontamination is obtained with simultaneous sealing of the dentinal tubules guaranteeing a durable and efficacious desensitizing;
- endodontic treatments carried out in a single session, periodontal and perimplantar lesions, perimplantitis, also treatable with covered flap.

Ergonomics, ease and safety of use have been the key factors in allowing Deka to formulate the ultimate in therapeutic proposals.

ERGONOMICS

Smarty-A10's special design always allows the user feel at ease with this type of laser: the layout of the controls, the shape of the handpieces, the position of the panel, every single detail is the fruit of years of collaboration with hundreds of experts.

The positions, actions and movements of patients and dentists have been constantly monitored and studied in the aim of eliminating even the tiniest inconvenience and integrating all the suggestions and ideas coming to light as a result of such a lengthy experience in this sector.





EASE-OF-USE

Smarty-A10 today represents the state-of-the-art in Nd:YAG laser applications in odontostomatology. An average power of up to 10 watts, a frequency of up to 200 Hz, three different pulse lengths, tissue cooling system incorporated in the machine, the

exclusive **CT-C** system (computerized temperature control) plus over twenty different programs for helping you choose the most suitable clinical protocol for the various applications. Twenty year's experience offered to you by Deka.



CT-C SYSTEM: EVOLUTION OF THE TECHNIQUE

Computerized heat control equals safety. The **Smarty-A10** laser offers much more than strict observance of the 93/42/EEC regulations governing medical devices. The **Smarty-A10** system is capable of evaluating temperature of the area being

treated depending on the output, the exposition time, the type and dimensions of the tooth undergoing treatment. Every application takes place in the utmost safety and is guaranteed by the experts who have helped develop this system.

HANDPIECES

Light, stylized handpieces, flexible and resistant light-wave conductors, ensuring precision and safety for optimizing clinical performances: the versatility and completeness of **Smarty-A10** open up a wide range of applications, enhancing the established

clinical benefits of Nd:YAG laser with the precision of contact optical fibres. Exclusive tips with double cannulas allow for choosing the cooling system (water/air) most suited to the tissue being treated.



ACCESSORIES AND OPTIONS

- Adjustable handpiece, handpiece with cooling, handpiece without cooling, kit with 16 cooled and un-cooled tips, disposable tips.
- Flexible optical fibres with a diameter of up to 600 µm.
- A wide range of technical and clinical manuals in English.
- Fully autonomous system not requiring any external air/water connections.



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TECHNICAL DATA

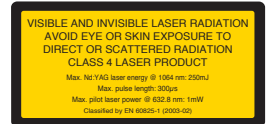
Laser type	Nd:YAG
Wavelength	1064 nm
Energy on tissue	up to 250 mJ
Frequency	up to 200 Hz
Pulse length	100, 150 and 300 µs
Transmission system	Optical fibres: 200, 300 and 600 µm
Electronic control	Microprocessor
Control panel	LCD
Power supply	230 Vac / 8 A (max) / 50 – 60 Hz
Aiming beam	HeNe Laser 1 mW @ 632.8 nm
Dimensions	68 cm H, 23 cm W, 65 cm D 38 kg



MAIN APPLICATIONS


- ENDODONTICS
- PERIODONTOLOGY
- SOFT TISSUE SURGERY
- CONSERVATIVE
- PROSTHESES

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DEKA THE SCIENCE OF WELL-BEING

Deka is the medical division of the El.En.Group, Italian leader in the production of laser equipment. Founded in 1981 it operates in more than 40 countries throughout the world. The Group's activity covers the majority of industrial applications and laser sources with powers up to 6 kW. Deka produces laser equipment in compliance with the specifications of Medical Device Directive 93/42/EEC and adopts a quality assurance system certified by  according to the ISO 9001 and ISO 13485 standards.



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