

GENIUS



A whole new concept of dentistry

The World Health Organization estimates that approximately 70% of the population will develop periodontal problems that ought to be treated by surgery or other therapy.

It has been clinically documented that periodontal disease is related to medical diseases such as heart disease, diabetes, and stroke, as well as low birth weight and premature births in pregnant women.

It is therefore essential that dentists and patients treat periodontal problems seriously.

More than 50% of all patients indicate that they fear receiving periodontal treatment.

The Genius Laser System provides dentists with an easy approach to treat periodontal disease without pain, without bleeding and much faster than conventional treatment.

Using Genius in the dental clinic makes life much easier not only for hygienists and dentists, but also for all patients.



GENIUS

Surgical Dental Laser

- Solid state crystal (Nd: YAG)
- Variable pulse width
- Variable repetition rate

GENIUS

- Is compact
- Ergonomic
- Easy to clean

GENIUS

- Is maintenance free
- Self-calibration
- Diagnostic software

GENIUS

- Is mobile
- Easily moved between treatments rooms





Simple – Safe - Superior

GENIUS is the market's most user-friendly laser. The interactive Touch Screen offers the latest technology and displays a menu for virtually all treatments.

Pressing the interactive display, automatically sets the electronics to the optimum laser parameters for the chosen application.

It couldn't be more simple.

ENDO	ANALGESIA	CARIES
GINGIVECTOMY	HAEMOSTASE	PERIODONTOLOGY
USER1	USER2	USER3

Genius Treatment:

- Periodontal pocket curettage
- Removal of pocket epitheliuml
- Papillectomy
- Pocket elimination surgery
- Gingivectomy & gingivoplasty
- Crown lengthening surgery
- Frenectomy
- Surgical removal of fibroma
- Opening of an abscess
- Tooth hypersensitivity
- Gingival retraction for impression taking
- Desinfection of root canals
- Small caries removal

painless – no bleeding – fast treatment – no postoperative pain



Versatile handpiece

- Interchangeable
- Ergonomic
- Autoclavable

Water/air cooling system

- No carbonisation
- No smell of burned tissue
- Minimized pain during treatment
- Faster treatment

Water/air controlled

- Controls penetration
- Prevents thermal damage

Flexible feed-through fibre

- 400, 500 or 600 microns
- High precision
- Full access to oral cavity





Curettage Case

Before treatment pocket
depth 7 – 8 mm



Just after treatment



3 month after treatment
pocket depth 3 mm



Surgery Case

Before treatment pocket
depth 8 – 10 mm



Just after treatment



3 month after treatment
pocket depth 3 – 4 mm



Genius treatments are performed with:

- No anaesthetics.
- No bleeding during treatment.
- Clear visibility for the dentist.
- No suturing and wound paste required.
- Faster treatment.
- Easy single-tooth surgery
- Greater patient satisfaction.
- Easy acceptance of treatments.





Documentation

“Evaluation of Subgingival Treatment of Periodontal Pockets with Nd:YAG Laser”

*N. Lioubavina, J. Jensen, T. Karring.
Royal Dental College, University of Aarhus, Denmark.*

“Evaluation of Surgical Treatment of Periodontal Pockets with Nd:YAG Laser”

*N. Lioubavina, J. Jensen, T. Karring.
Royal Dental College, University of Aarhus, Denmark.*

“Nd:YAG High Power Laser as an Adjunctive Therapy in the Treatment of Periodontitis”

*J. Jensen, L. Heitz-Mayfield, W. Bueglin & N.P. Lang
University of Bern, Switzerland.*

Specifications

Genius LATOP has optimised parameters for soft tissue treatments, which cannot be compared to any other laser on the market today.

Laser type:	Nd: YAG (Neodymium - Yttrium - Aluminium - Garnet) 1064nm.
Laser mode:	Super pulsed, frequency 50 Hz. Pulse duration 200-600 microsec.
Output power:	1200 peak/12 watt
Cooling of tissue:	Water/air spray system
Operation mode:	Presetting of optimum parameters for the chosen application

The above specifications allows the dentists an optimal performance within soft tissue applications.



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GENIUS PERIODONTAL A/S

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