stomdevice

FONA
CLOSER TO YOU

AQUAMARINE

A NEW LEVEL OF CUTTING EFFICIENCY



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AQUAMARINE

A NEW LEVEL OF CUTTING EFFICIENCY

Introducing Aquamarine – the diode laser which allows you to work with more precision and efficiency. Treatment is faster, more focused on the affected area and comfortable for the patient. With the wide range of procedures you can perform, Aquamarine quickly becomes a valued asset to your clinic.



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FEATURES AND BENEFITS

Cutting Faster with Minimum Power

Thanks to its 445nm wavelength, with higher absorption in haemoglobin, cutting is faster and requires much less power. Result is treatment with minimised thermal damage and increased efficiency.

Wide Range of Treatments

Aquamarine can be used for variety of treatments in soft tissue surgery, periodontology, endodontics and haemostasis. In addition, it can be used for single tooth whitening* and as treatment option for a variety of indications.

Enhanced Patient Comfort

The diode laser operates at a wavelength absorbed by the soft tissue more efficiently, resulting in more precise cutting and faster healing thus increasing patient comfort. The focused beam treats the affected area efficiently and in less time limiting operational time.

*clinical trial in progress



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TREATMENT ADVANTAGES

Surgery

Laser allows for almost bloodless surgical procedures to be performed more efficiently with less pain and higher visibility. Due to low energy and 445nm wavelength used by Aquamarine, carbonisation and thermal damage to surrounding tissue are minimised, while cutting is faster.

Periodontology

Aquamarine can also be used as supplementary therapy for improved germ and bacteria reduction in the periodontal pocket in addition to conventional scaling and root planning.

Endodontics

Aquamarine can also be used as supplementary therapy for improved germ and bacteria reduction in the periodontal pocket in addition to conventional scaling and root planning.

Haemostasis

Aquamarine is highly effective in direct haemostasis. Thanks to the peak absorbtion in the haemoglobin, its 445nm wavelength is highly efficient.

Whitening

As an added benefit, Aquamarine can be used for single tooth whitening. Best used with blue or yellow gel, the results surpass alternative treatments available.*

*clinical trial in progress







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TECHNICAL SPECIFICATION

WAVELENGTH	445 +/-10nm
POWER	0,2- 1,4W CW (in 0,1 W steps)
PILOT BEAM	638 +/-10nm, ≤ 5mW
OPERATION MODES	CW, Chopped Mode
FREQUENCY	10 - 200 Hz (in 10Hz steps)
DUTY CYCLE	10 - 100% (in 10% steps)
BATTERY	Lithium Ion
BATTERY WORKING TIME	1 hour with full power
RECHARGE TIME	3 hours when battery is empty
USER INTERFACE	Touchscreen
LASER ACTIVATION	Finger switch
FIBRE MANAGEMENT	Sterile -single-use fiber tips (UniTip 320µm and EndoTip 200µm) Autoclavable glass rod (ActiveTip 8mm)
GOGGLES	Multi-Wavelength Goggles (445nm, 660nm, 970nm)
SOFTWARE	Preset for surgery, endo. germ reduction, perio. germ reduction & haemostasis
SOFTWARE CONNECTIONS	12 free programmable own programs for each user 2 individual user profiles with own pin codes (Admin can define password, max. power, applications and right to change preset for second user)

SCOPE OF SUPPLY

-Main operation unit
-Handpiece with detachable sleeve including finger switch
-Power supply incl. 4 different plug adapters
-2x bending tool ""FiberBend"
-5x optic protection cup for handpiece
-1x fibre cutter
-3 multi-wavelength goggles (445nm, 660nm, 970nm), 2x user and assistant, 1x patient
-Documentation set (universal) incl. DVD/stick with all manuals, medical product log and handover protocol, printed warnings for every language

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FONA – Every dental solution you need

Through decades of experience and deep understanding of the dental profession, we deliver complete, reliable and accessible solutions.Regardless of country or specialisation, every dentist can find a fitting solution in FONA today. As our knowledge and expertise grow, so does our range. Our international team is constantly on the move, meeting partners and dentists, so we can understand their needs and develop products that support and enhance their daily work.

Realiable dental technology

DIGITAL DENTISTRY



CHAIRSIDE CAD/CAM



EXTRAORAL IMAGING



INTRAORAL IMAGING

TRADITIONAL DENTISTRY



TREATMENT CENTERS



INSTRUMENTS AND LASER



HYGIENE

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DEALER

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