



LIGHT INSTRUMENTS
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LITETOUCH™

Er:YAG Laser-in-Handpiece





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Why are dentists around the world excited about the LiteTouch™?



FASTER
HEALING



LESS
PAIN



NO
VIBRATION



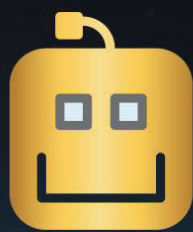
SOFTER
SOUND



MORE
PATIENTS



PATIENT
FRIENDLY



HIGH
TECH



ZERO
ANXIETY



KILL
GERMS



LESS
INJECTIONS



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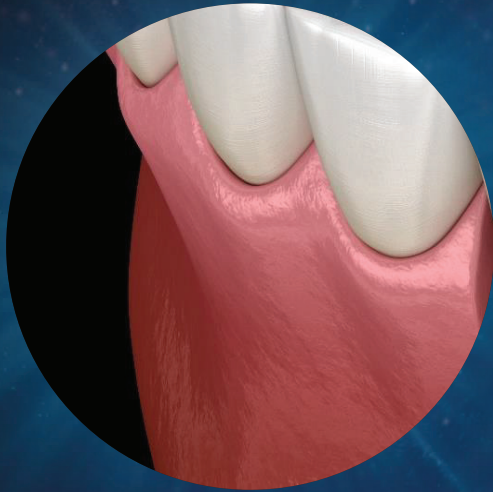
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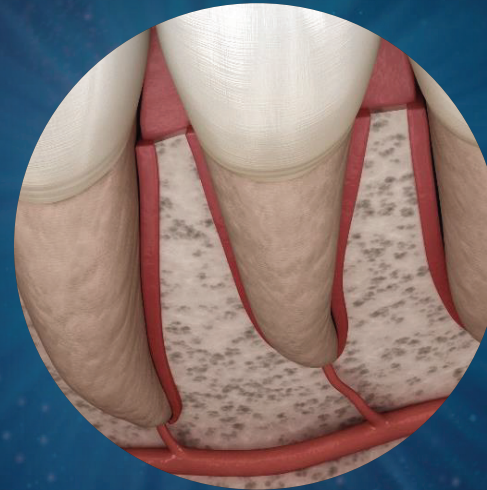
All-Tissue Laser



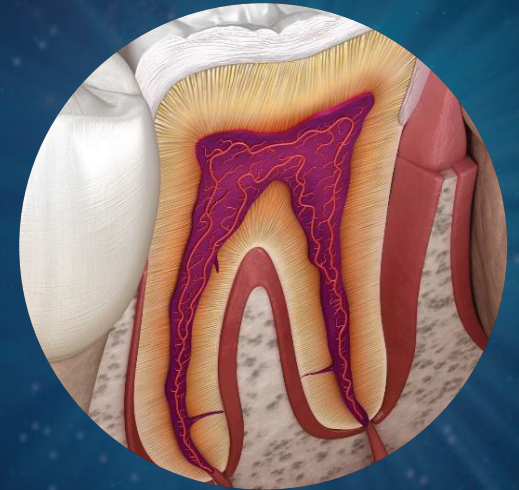
GUM



TOOTH



BONE



GENTLE
TREATMENT



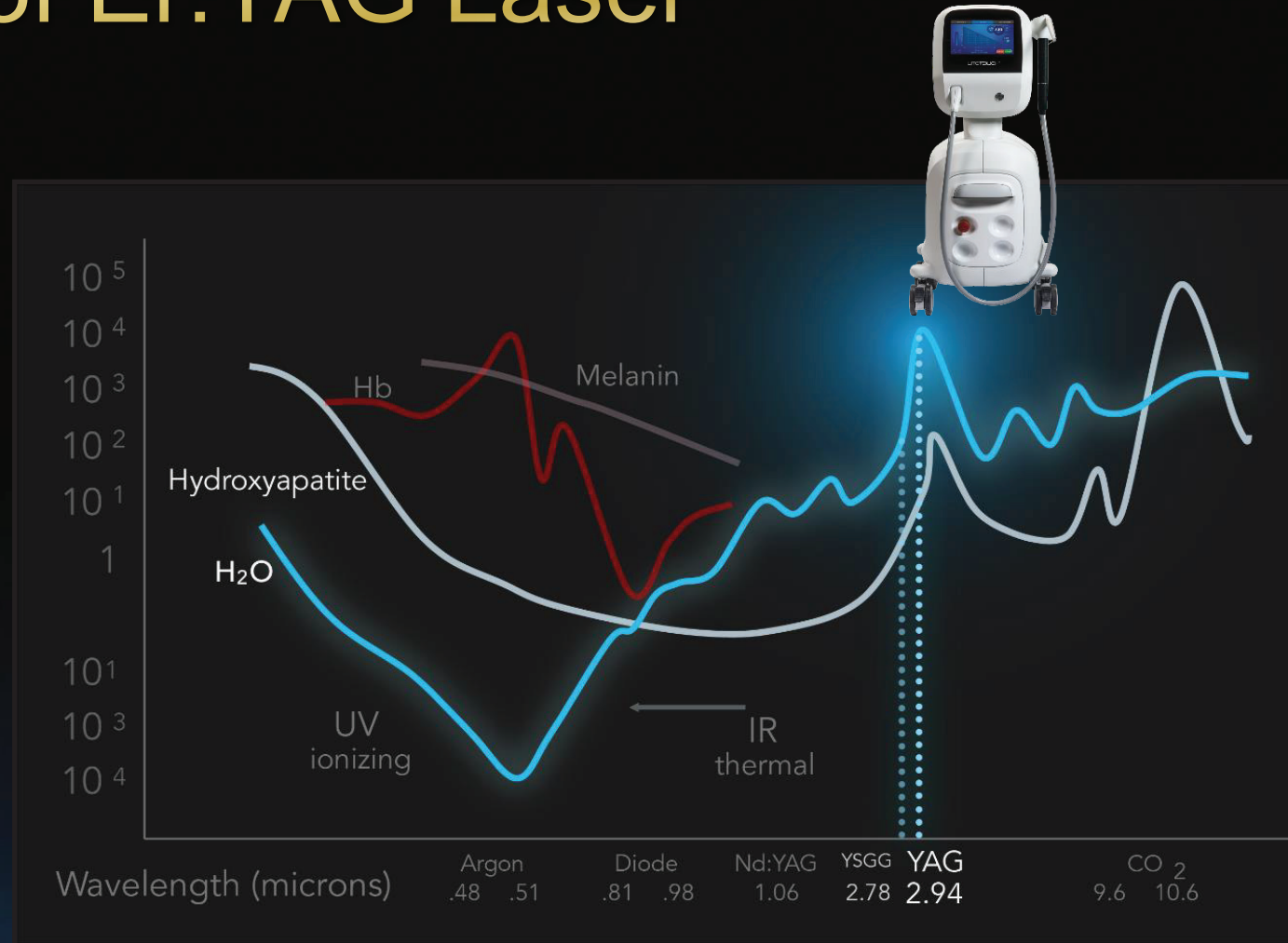
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Spectrum of Er:YAG Laser

LiteTouch's Er:YAG (2,940nm) wavelength is the closest wavelength to the water absorption peak at 3,000nm



Absorption means ability to cut (ablate) hard and soft tissue



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LiteTouch™ Applicator



The LiteTouch™ applicator is fiber-free and ergonomic, enabling unlimited maneuverability and easier access to all areas in the oral cavity.



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The LiteTouch™ applicator and handpieces are ergonomically designed to maximize maneuverability within the oral cavity:

With little to no limitations of the hand movement, a full access to all areas in the oral cavity is reached.

- ❖ Applicator 120° rotation
- ❖ Handpiece 360° swivel





This fiber-free technology creates direct delivery of the laser energy to the treated tissue, minimizing energy loss and enhancing the laser's cutting capabilities.

The LiteTouch™ Laser-in-Handpiece technology houses the entire laser mechanism within a small chamber in the handpiece.





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Technology at the tip of your fingers!

With a variety of 17 sapphire tips in different sizes and lengths for treatment of various applications!

LiteTouch™ exclusive tip!

Endo Tip

Uniquely designed for cleaning and disinfecting the root canal system during endodontic treatment and retreatment





User interface? It's as-simple-as it looks!

LiteTouch is easy and intuitive!

- A user friendly interface on a comfortable touchscreen, in any language
- No need for complicated calculations



Predefined presets:



Home screen

An option for personal setting and resetting:



Working screen



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Which procedures can you do with the LiteTouch™ ?





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Aesthetic Procedures



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- Veneer Removal
- Crown Removal
- Composite Removal
- Gingivectomy
- Gum Depigmentation
- Gum Reduction
- Post Removal
- Caries Removal
- Aesthetic Bracket Removal
- Gingival Displacement
- Teeth Whitening
- Dentin Hypersensitivity
- Tooth Conditioning



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Restorative Procedures



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- Veneer Removal
- Crown Removal
- Composite Removal
- Gingivectomy
- Gum Depigmentation
- Gum Reduction
- Post Removal
- Caries Removal
- Cavity Preparation
- Pits and Fissure Treatment
- Cavity, Pits and Fissures Disinfection
- Gingival Displacement
- Root Disinfection
- Pulp Capping
- Aphthous Ulcers
- Tooth Remineralization (with Fluoride Gel)
- Dentin Hypersensitivity
- Tooth Conditioning
- Teeth Whitening



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Periodontics Procedures

- Gingivectomy
- Gum Pigmentation Removal
- Operculectomy
- Frenectomy
- Crown Lengthening
- Flapless Crown Lengthening
- Tissue Graft
- Pocket Disinfection
- Periodontal Pocket Debridement
- Sinus Lift – Open Window
- Peri-Implantitis
- Calculus Removal
- Uncovering Submerged Implants
- Implant:
 - Bone Stimulation
- Decorticalization
- Implant Decontamination
- Granulation Tissue Ablation
- Release Incision of the Flap



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Pediatric Procedures

- Caries Removal
- Cavity Preparation
- Pits and Fissure Treatment
- Composite removal
- Aesthetic Bracket Removal
- Frenectomy
- Ulectomy: Uncovering of Unerupted Tooth
- Operculectomy
- Biopsy: Removal of Fibroma, Mucocele
- Gingivectomy
- Root Disinfection
- Pulp Capping
- Aphthous Ulcers
- Tooth Remineralization (with Fluoride Gel)
- Cavity, Pits and Fissures Disinfection
- Dentin Hypersensitivity
- Tooth Conditioning



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Surgical Procedures

- Bone Graft
- Tissue Graft
- Sinus Lift – Open Window
- Biopsy
- Excision
- Uncovering of Unerupted Tooth
- Frenectomy
- Tooth Extraction
- Osteotomy
- Bone, Implant and Pocket Disinfection



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Orthodontics Procedures

- Aesthetic Bracket Removal
- Attachment Removal
- Operculectomy
- Uncovering of Unerupted Tooth
- Gingivectomy
- Tooth Conditioning

Complimentary procedures:

- Frenectomy
- Tooth Extraction: Tooth Section and Socket Disinfection
- Composite Removal
- Caries Removal
- Pocket Disinfection



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Endodontic Procedures

- Endodontic Irrigation
- Apicoectomy
- Pulp Capping
- Pulpotomy
- Fistula Disinfection
- Post Removal

Complimentary procedures

- Composite Removal
- Crown Removal
- Caries Removal
- Gingivectomy



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Maxillofacial Procedures

- Sinus Lift – Open Window
- Bone Graft
- Bone Remodeling
- Tooth Extraction: Tooth Section and Socket Disinfection
- Crown Lengthening
- Bone Disinfection
- Implant Disinfection

Complimentary procedures:

- Pocket Disinfection
- Incision



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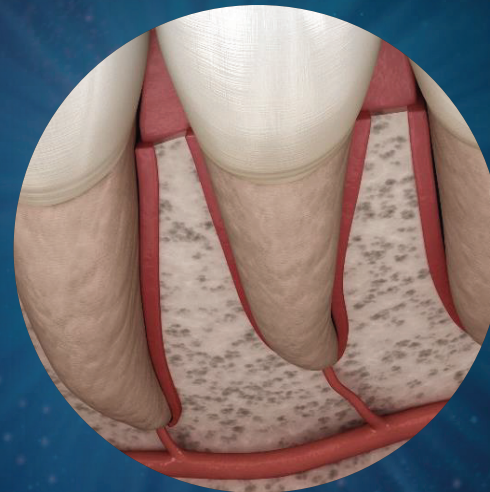
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Hard Tissue Mode



TOOTH



BONE



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Hard Tissue Mode



LiteTouch™ Presets

1. Enamel
2. Dentin
3. Caries Removal (Shallow Cavities)
4. Caries Removal (Deep Cavities)
5. Pits & Fissures Treatments
6. Bone Remodeling
7. Bone Smoothing
8. Calculus Removal
9. Veneer and Composite Removal
10. Crown Removal

Additional Treatments

Bracket Removal

Post Removal

Bone Graft

Sinus Lift – opening the bone window

Flapless Crown Lengthening

Implant Bedding

Apicoectomy

Tooth extraction



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Soft Tissue Mode



LiteTouch™ Presets

1. Release Incision of the Flap
2. Granulation Tissue Ablation
3. Uncovering Submerged Implants
4. Operculectomy
5. Frenectomy
6. Biopsy
7. Periodontal Pocket Debridement
8. Gum Pigmentation Removal
9. Gingivectomy
10. Gum Smoothing

Additional Treatments

Excision – Fibroma, Mucocele Removal
Ulectomy
Exposure of Unerupted Tooth
Tissue Graft
Gingival Displacement
Incision and Drainage of Abscesses



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Gentle Treatment Mode



LiteTouch™ Presets

1. Pocket Disinfection
2. Endodontic Irrigation
3. Pulp Capping
4. Enamel Conditioning
5. Reconditioning of Exposed Root
6. Remineralization (Fluoride Gel)
7. Pits & Fissures Disinfection
8. Implant Decontamination
9. Desensitizing of Root Necks
10. Aphtha

Additional Treatments

Ulcers

Caries Disinfection

Bone Disinfection

Hemostasis

Collagen stimulation

Snoring

Whitening



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Erbium Lasers

Er:YAG

2940nm

Er,Cr:YSGG

2780nm



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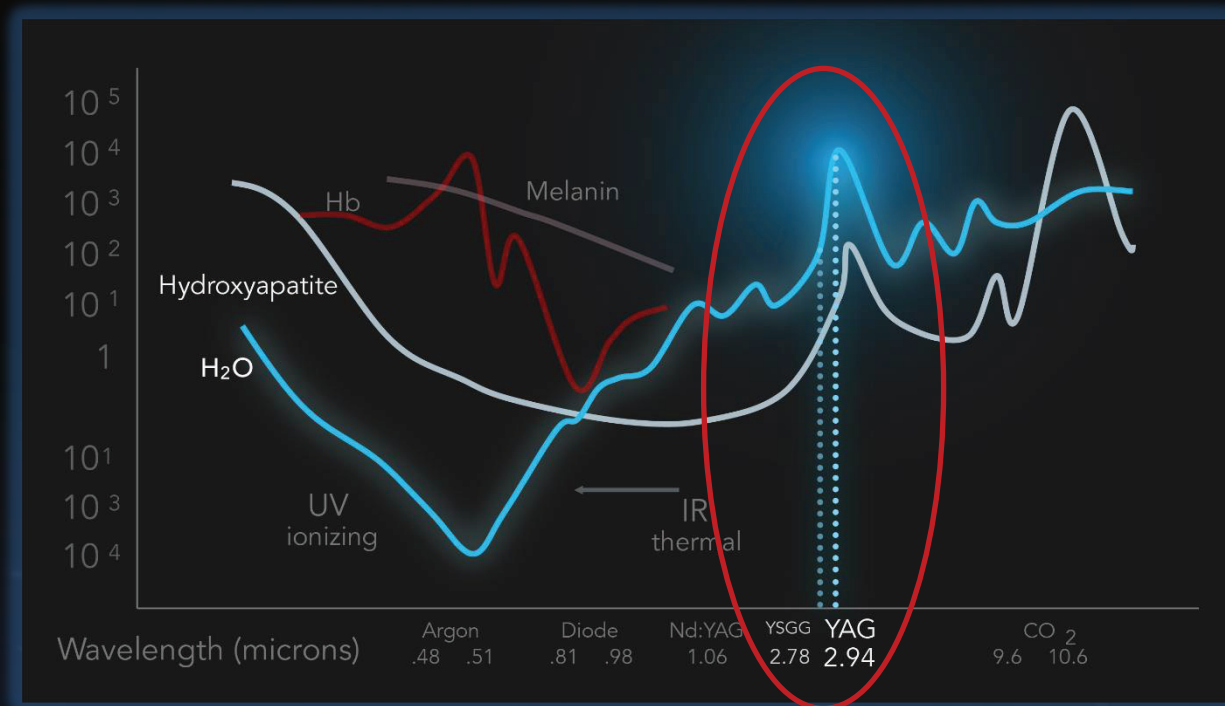


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A little bit more about laser physics....

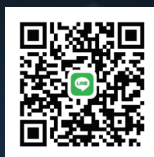
Which wavelength is best absorbed by water?

- LiteTouch's Er:YAG (2940 nm) wavelength is the closest wavelength to water absorption peak at 3.000 nm
- The Er:YAG (2940 nm) wavelength is absorbed twice (x2) faster than the Er,Cr:YSGG (2780 nm) wavelength



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Better absorption means faster cutting in hard and soft tissue