



MEDENCY

Laser energy for life



DENTAL

Smart Laser Solutions

WHO WE ARE



MEDENCY was born at the intersection of technology and medical vocation.

Our company simplifies clinical complexity with intuitive, reliable, and portable laser solutions. Each device is designed as an extension of the professional's hands—a tool that transforms the benefits of light into precise and respectful care.

It's the meeting point between technology and conscious choice, putting patient wellbeing at the heart of every decision.

Medency is an Italian company working alongside healthcare professionals as a trusted and innovative partner, fully compliant with international standards **ISO 9001** and **ISO 13485**, ensuring quality, safety, and traceability at every stage of production.

To meet the needs of the global medical sector, our laser technologies are certified by numerous regulatory bodies and health ministries worldwide. We comply with the **European MDR** Regulation and hold **FDA** clearance for the US market, guaranteeing access to reliable, effective, and safe solutions.

Our Promise

Medency equips dental professionals with an advanced laser technology, designed to enhance the clinical experience and patient wellbeing. Every procedure becomes safer, more precise, and better tolerated, thanks to innovations that deliver tangible results. Discover more at <https://www.medency.com> or get in touch for personalised consultations and hands-on demonstrations.

THE LASER FOR DENTAL CARE

TRIPLO is the dental laser device that combines three specific wavelengths to deliver comprehensive, **precise, and safe treatments**. Each wavelength targets different oral tissues selectively, **maximising clinical effectiveness while minimising patient discomfort**.

This technological synergy enables dental procedures with **greater control, reducing trauma** and promoting **rapid healing**.

Dental Applications

Soft tissue surgery

Precise cutting and coagulation of gums and mucosa, reducing bleeding and post-operative discomfort.

Infection treatment

Natural antibacterial effect that speeds up resolution of oral inflammations.

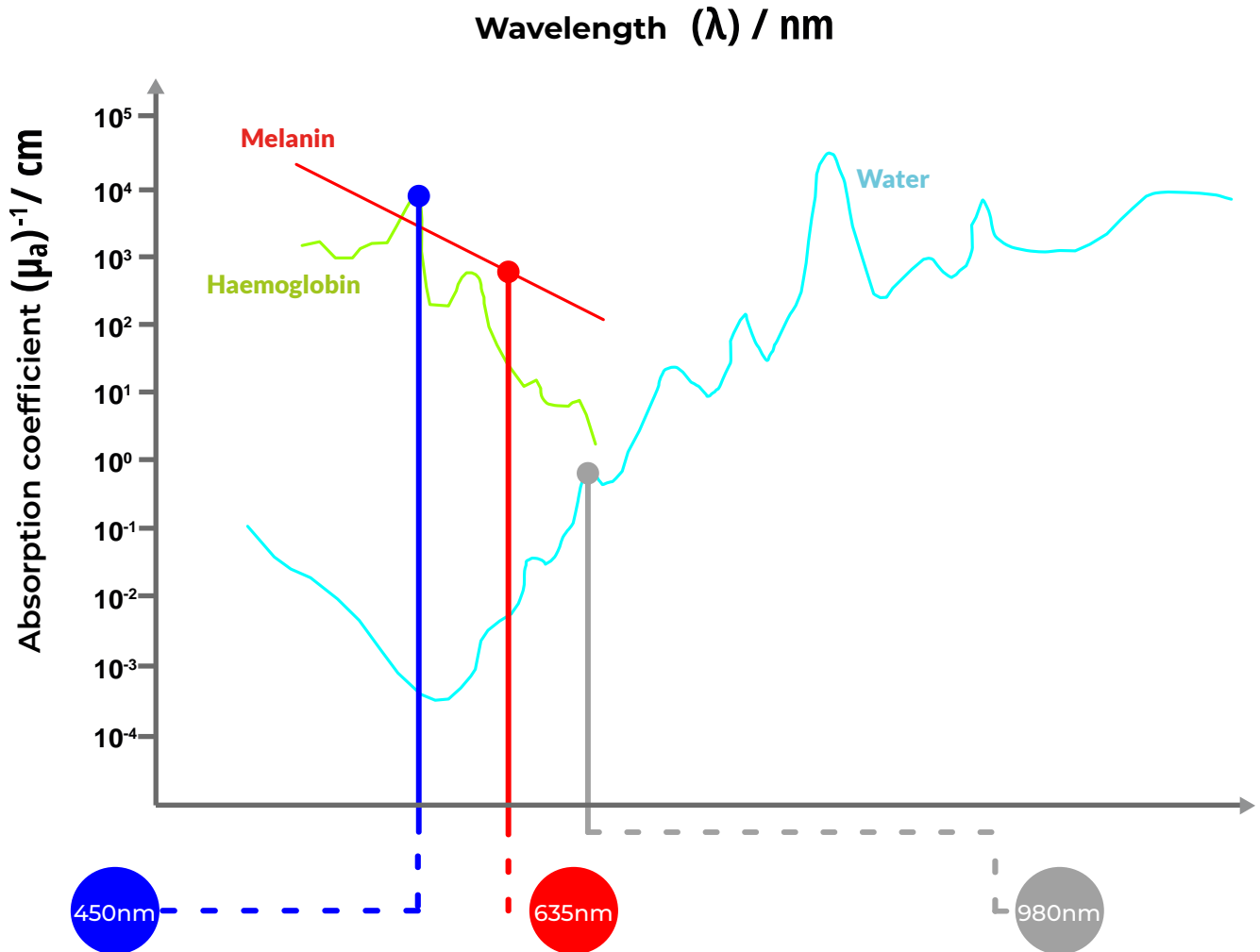
Tissue regeneration

Promotes biomodulation processes with proven anti-inflammatory and regenerative effects, enhancing healing quality.



THREE WAVELENGTHS

The **450, 635, and 980 nm wavelengths** deliver targeted stimulation, penetration, and absorption in oral tissues, making them exceptionally effective for laser dentistry. They enhance surgical precision, support decontamination, and stimulate tissue regeneration—maximising therapeutic outcomes for patients.



450 nm (blue laser):

Maximum absorption by haemoglobin, ideal for vaporisation procedures with superior coagulation and lower applied power. Enables effective surgery without carbonisation.



SURGERY



IMPLANTOLOGY

635 nm (red laser):

Preferred source for antimicrobial photodynamic therapy (PDT) and superficial treatments. Supports photobiomodulation to promote tissue regeneration, modulate inflammation, and provide analgesic effects. Enhances fibroblast activity and peripheral vasodilation.



PHOTODYNAMIC THERAPY (PDT)

980 nm (infrared laser):

Deep penetration with minimal water absorption and high haemoglobin uptake. Ensures deep decontamination and reduces gingival hypertrophy, limiting recurrences.



THERAPY



ENDODONTICS



PERIODONTOLOGY



COSMETIC

HANDPIECES



**EXTRA-ORAL
THERAPY**



**INTRA-ORAL
THERAPY**



BLEACHING



PERIODONTICS
400µm Optical Tip



SURGERY
300µm Optical Tip



ENDODONTICS
200µm Optical Tip

EXTRA

HAT

PERIODONTICS
400µm Optical Radial
Tips

DIRECTO
Collimated beam





More Info!



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