Why the 980nm Laser pen?

The 980 nm diode laser generally excels at soft tissue management compared to the 810 nm diode laser due to its higher absorption in water and haemoglobin, allowing for more precise and optically-driven soft tissue management with minimal thermal damage. This leads to faster tissue management, less bleeding, and a clearer field.

980 nm lasers are highly absorbed by water, a major component of soft tissues. This allows them to manage more optically than thermally (as with 810nm). The high water absorption leads to more precise and defined manipulation with minimal thermal damage to surrounding tissues.

980 nm lasers also absorb well in haemoglobin, contributing to effective haemostasis (stopping bleeding). So therefore non-experienced and experienced laser dentists can use the 980nm more comfortably than the 810nm.

In contrast, 810 nm diode lasers, while also effective for soft tissue management, may rely more on thermal effects, potentially leading to more heat-related complications and less precise management.

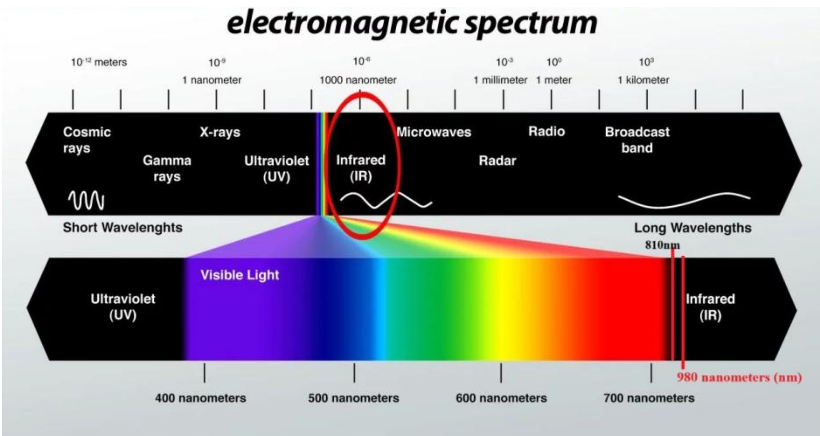
The Laser pen output power 3w determines the speed with which the various procedures can be completed. In dentistry, the hand speed and skill will determine the required power output for the procedure. The higher the power 3w will allow for the treatment to be completed faster than a lower power. That's why the Laser pen has 3 power settings.

Laser pen offers the ability to manipulate tissue, coagulate and sterilise, additionally for pain therapy LLLT and teeth whitening. It reduces both tissue scarring and post-operative discomfort. Healing is rapid and more aesthetic. It provides the perfect outcome for patients and dentists alike.

It is a cordless handheld small pen, lightweight, portable and always ready to use no need to setup connect cables footswitch fibres or even takes a space. usb turn-on
One Click 'select and go'

980nm used for other procedures for example;

Gum de-pigmentation, Crown lengthening, Peri-implantitis, Periodontitis, Endodontic, Gingival management, Orthodontics, Tissular retraction, Hypertrofic tissue, Papilectomy, Hemostasis, Pulpotomy, Herpes, Hypertrofic tissue, lip haemangioma.



Why the need for a dental LaserPen?

Simply, cordless no wires, no cables, no foot switch, no fibre, no set-up, easy to use

Less anaesthesia no pain

Less traumatic, without postoperative issues

Clean, fast, bloodless (control bleeding)

Precision, Clinical elegance

Superior experience for patients, latest technology image

No pain No blood

Fast recovery

Become a laser dentist, lasers are not just a tool, its an evolution

- No shrinkage - Accurate margins for veneers and crowns

- No retraction cord - Creates better contouring for accurate impression

- Bloodless - Coagulation of bleeding tissue & clear vision

- Sterilisation for root canal & perio pockets

- Less damage to soft tissue - No collateral damage

- Simple removal and shaping of soft tissue surface

- Unlike ElectroSurgery (no need to allow for margins - can touch bone & implant, can use with pacemaker & high blood pressure patients)

- Fast recovery - no post-op swelling and pain-

- Decreased practice time

- Antisepsis (Kills bugs)

- Reduced fatigue & Stress

Its 980nm diode; better for cutting (lasing) & coagulating
because its absorbed by the melanin & water