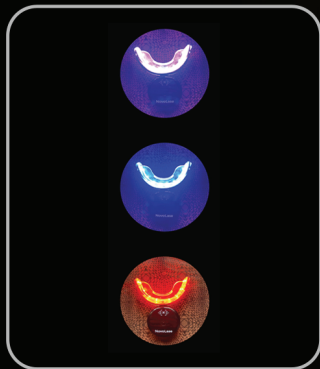




**NovoLase**  
Light Inspired!

# New Generation of Advanced 'All - in - One' Diodes !

## The **GOLD** Standard in Laser Dentistry!



3 Wavelength  
Wireless Device



24K Gold Bleaching  
'Peroxide Free'  
Organic Laser  
Whitening

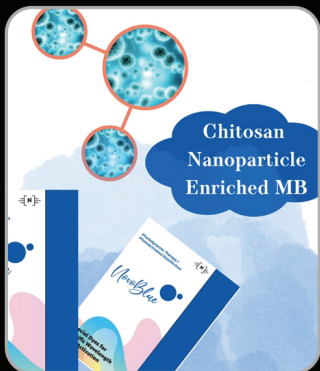


Photo Activated  
Disinfection  
(PAD) system



Newly launched  
Flexi - 18 Curved  
Endo Tip



810+635 nm Combo Coherence™  
with Diode Docking Station ( DDS )

**₹ 3,35,000**  
All Inclusive Package



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# Clinical Applications and Technical Specifications

## LASER SURGERY

(Frenectomy / Frenotomy / Tongue Tie / TOTS Release / Mucocele Excision / Uncovering unerupted teeth)

## AESTHETIC DENTISTRY & NEW GEN ORGANIC TEETH WHITENING

- Aesthetic Gingival Contouring
- Aesthetic Gingival Depigmentation
- ZERO sensitivity 'Peroxide Free' Organic Laser Whitening with 24K Gold Gel

## ADVANCED PHOTODYNAMIC THERAPY

with Both Green & Blue Dyes for

- Flapless Perio
- Prevention & Treatment of Perimplantitis
- Bacterial / Viral / Fungal infections of the mouth and lips including Herpes.

## ACCELERATED ORTHO & ALIGNERS

Acceleration of Tooth movement and Bone remodeling when used with any fixed prescription like MBT / DAMON or Aligners of any make.

## 360° ENDODONTICS

- Painless Root canals (Combo mode)
- PAD (with Chitosan Enriched Blue Dye) & 3D canal disinfection to virtually convert 95% RCT cases to Single Visit!
- Post Obturation Enhancement of Periapical Healing and Prevention of flare-ups after single visit endo

## ADVANCED PHOTOBIMODULATION

In 'Combo Coherence' with Red & Infrared wavelengths firing together.

- Oral & Facial trauma
- OSMF and other PMODs
- Burning Mouth Syndrome
- Non Healing Oral Ulcers
- Cancer Mucositis

**PRE & POST IMPLANT** Placement Analgesia plus Osteoblast mediated Enhancement of Osseo Integration by Using Multi Wavelength Combo Coherence Technology

Specification	Sub-Specification	Value
Standards	Conformity to International Safety Standards	CE - Medical Device Directive MDD (93/42/EEC)
	Conformity to Manufacturer's Quality Standards	ISO 9001 & ISO 13485
	Conformity Certifications for Good Manufacturing Processes	WHO - GMP
DOCKING	NEW GEN DIODE DOCKING STATION with Multiple storage Compartments	
Laser Specifications	Wavelength	810 nm (5000mw) + 640 nm (250mw)
	Combo Coherence Technology	Both Wavelengths can FIRE TOGETHER
	Laser Classification	Class IV (4)
	Laser Console / Enclosure	GERMAN - OKW
	Laser Medium	ITALIAN Ga : Al: As Semiconductor Diode
	MULTIWAVELENGTH MIC DEVICE	Blue(455 nm), Red(650 nm), Blue + Red
ACCESSORIES	LASER WHITENING PRISM with	<b>24K Gold 'Non Peroxide' Organic Bleach</b>
	810 nm PDT	Chitosan Enriched Indo Cyanine Green
	640 nm PAD	Chitosan Enriched Methylene Blue
	Polyamide Laser Tips	Surgery, Periodontics & Endodontics



# How the use of a dedicated Docking Station enhances the life of a Diode Laser?

## Vibration and Shock Reduction

Dedicated carts or stands are designed to securely hold the laser device in place. They absorb vibrations and shocks that might otherwise be transmitted to the laser diode during movement or handling. This reduces the risk of mechanical stress, which can extend the diode's lifespan.

## Stability During Operation

Laser diodes are sensitive to movement and mechanical stress during operation. A stable docking stand ensures that the laser device remains steady, minimizing the risk of misalignment or damage to the diode due to vibrations or jostling.

## Optimal Cooling

Many docking stands are designed with cooling in mind. They often have built-in ventilation systems to dissipate heat generated by the laser diode during use. Maintaining an optimal operating temperature is crucial for the longevity of laser diodes, as excessive heat can degrade their performance and lifespan.

## Protection During Transport

When moving the laser device, especially in institutions or clinical field applications, a dedicated cart provides a safe and secure way to transport it. This reduces the chances of physical damage to the laser diode caused by accidental drops or bumps.

## Proper Cable Management

Docking stands often include cable management systems, which prevent strain on the cables connected to the laser device. Strain on cables can lead to premature wear and tear, and a dedicated stand ensures that cables are organized and protected.

## Secure Power Supply

Docking stations provide a stable and clean place to power up the laser diode. This reduces the risk of power fluctuations or surges that are common when laser diodes are placed in close proximity to other dental devices due to 'electro magnetic' interferences which can harm the diode. It also prevents accidental disconnection of the power source during critical operations.

## Alignment Maintenance

Some docking stands have alignment features that help maintain the proper alignment of the laser diode with other optical components. Proper alignment is crucial for the laser's performance and can be difficult to maintain without a stable platform.

## Dust and Contaminant Protection

Depending on the environment in which the laser diode is used, a dedicated stand can offer protection against dust, debris, water, saliva and other body contaminants (when placed on the dental chair tray) that could otherwise accumulate on the diode's optical components and degrade its performance over time.

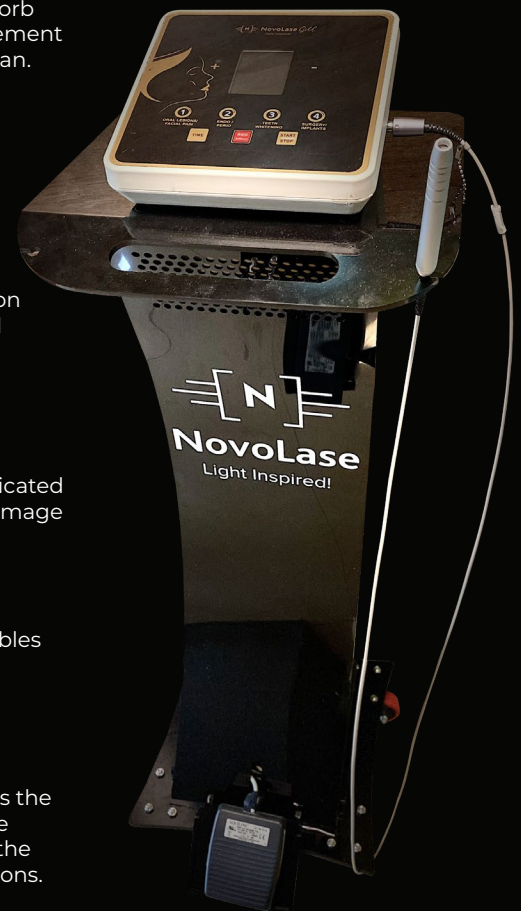
## Enhanced Organization

A docking station keeps all necessary cables and accessories neatly organized. This minimizes the risk of tangling, misplacement, or damage to the cables, which can prolong the lifespan of your laser equipment.

## Ergonomic Design & Streamlined Connectivity

Many docking stations are designed with ergonomics in mind. They often allow you to position your laser device at a comfortable viewing or operating angle, reducing strain on your neck and back during prolonged use.

Docking stations often include additional ports and connections which simplify the process of connecting your Laser device to other peripherals or network cables.



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## Robotic Surgery: Operating Room Setup and Docking

[Sajid Malik](#)

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