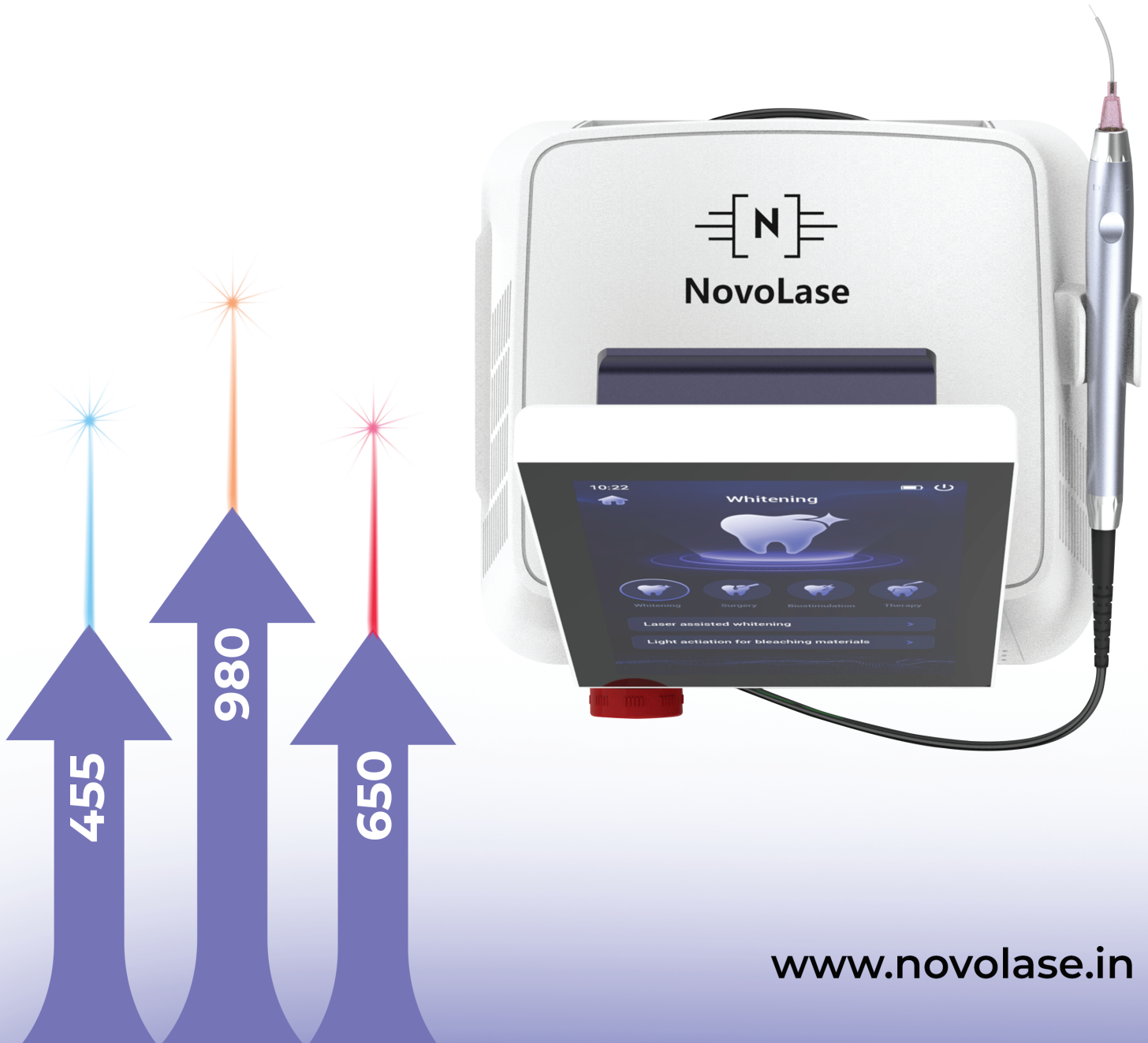
NovoLase
Light Inspired!

Novolase Tri BLU

14.5 w in Combo Coherence™

Superlative | Transcendent | Inimitable



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NovoLase TriBLU

The NovoLase TriBLU is a State -of-the-art diode laser meant for Advanced Dental, Facial, Head & Neck applications. It has 3 wavelengths BLUE + RED + INFRARED firing at 14.5 watts in Combo Coherence. Thanks to its Avantgarde technology and impeccable quality, the NovoLase TriBLU performs excellently in Soft-tissue Surgeries & Advanced Photomedicine (Photobiomodulation & Photodynamic therapy) especially in Oral medicine & Pathology (PMOD reversal), Flap less periodontics, Non-Contact Paediatric TOTS surgery, Accelerated Orthodontics, Advanced 360 degree Endodontics, Aesthetic teeth whitening, Cancer mucositis, TMJ & Neurofacial Pain etc.

Portable Design
Small size, Lightweight and portable with Advanced Modular Design

Permanent Fibre-Optic Handpiece with Disposable Polyimide Tips (3rd Generation)
Sterile fiber tips which are ULTRA EFFICIENT, SAFE & BENDABLE to match clinical demands.

Li-on Rechargeable Battery
Can be used in different treatment scenarios for extended periods of time.

Intuitive Touch Screen
7-inch with clear AI backed presets for various conditions & wavelengths.

Ergonomic handpiece with Speciality Specific Attachments.
Fully compatible with advanced attachment heads viz., Whitening PRISM, TMJ & Pain Therapy Head, Photomedicine Head (PBM & PDT)

Safe Cable Storage
Anticlockwise winding solution for safer transport and storage as well as to enhance the life of the fibre optic bundle

Ergonomic Handle (at the back)
Designed for Easy Mobility and Portability

Clinical Advantages

- Minimal bleeding, No swelling or scarring
- Minimal or NO pain
- NO Suturing
- Minimally Invasive
- Reduction in surgical time
- More precise treatment
- Faster healing
- Efficient Whitening with Excellent Long term outcomes

Comprehensive Range of Accessories

- Multi-functional permanent Handpiece
- Disposable Polyimide fiber tips (3rd Gen) which are speciality specific
  A. Surgery (Non Contact tips with BLUE)
  B. Periodontic Tips
  C. Endodontic Tips
- Polyimide Tip Bending Head
- TMJ & PAIN Therapy head
- Whitening PRISM
- Advanced PBM/PDT Head
- Footswitch
- Safety goggles
- IN BUILT Interlock
- Power Adapter

Permanent
Multi-functional
Handpiece

Advanced
Whitening Prism

Advanced
PBM/PDT Tip

TMJ Cone & Pain
Therapy

3rd Gen Polyimide
Bendable Tips

Clinical Applications

- Exposure of unerupted teeth
- Excision of lesion or removal of granulation tissue
- Fibroma removal
- Frenectomy
- Gingival troughing for crown impressions
- Gingivoplasty
- Hemostasis and coagulation
- Gingival incision and excision
- Implant Uncovering, recovery and rx of Peri-impantitits
- Incision and drainage of abscess
- Leukoplakia
- Operculectomy
- Vestibuloplasty
- Pediatric TOTS surgery (Non Contact with ZERO bleeding)
- Pulpotomy and Pediatric Root canal disinfection
- Reduction of gingival hypertrophy
- Soft tissue crown lengthening
- Gingival bleeding
- Excisional and incisional biopsies
- Treatment of canker sores, herpetic and aphthous ulcers (non healing)
- Advanced Photobiomodulation (Laser PBM)
- Photodynamic Therapy (PDT) with Chitosan Enriched Photosensitizers
- PMOD reversal (Multiwavelength Combo Coherence)
- Accelerated Orthodontics (with Fixed Braces & Aligners)
- TMJ & NeuroFacial Pain
- ADVANCED TEETH WHITENING WITH 24K GOLD GEL (NON PEROXIDE / ORGANIC WHITENING WITH ZERO SENSITIVITY & NO GINGIVAL BARRIER)

Technical specifications

Product Model	NovoLase TriBLU
Laser Type	GaAlAs Diode
Laser system	Class IV
Wavelength	455nm + 650nm + 980nm
Power	4W + 500mW + 10W
Operation Mode	CW / Single Or Repeat Pulses
Pulse Duration	10us - 3s
Repetition Rate	1Hz - 20KHz
IP Degree of Protection	Footswitch (waterproof) IPX8
Aiming Beam	650nm, Power<5mW
Control Mode	True Color Touch Screen (7 inches, resolution 600*1024)
Power Supply	100V-240V ~at 2.0A
Dimensions	170(W)*180(L)*250(H)mm
Weight	2.0KG

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.

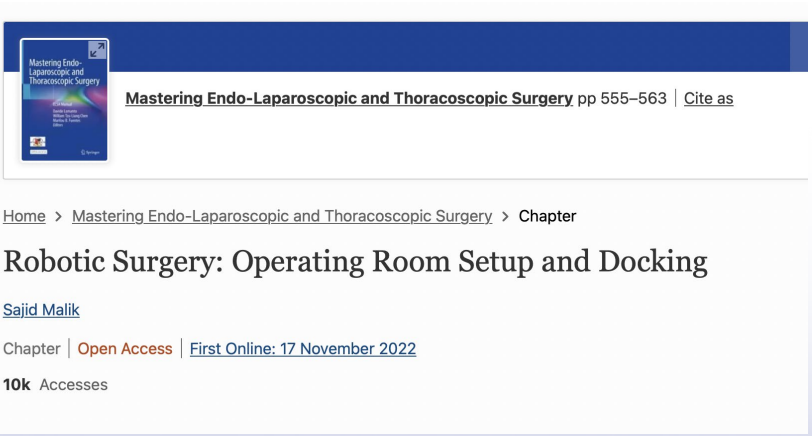
Enhanced Organization

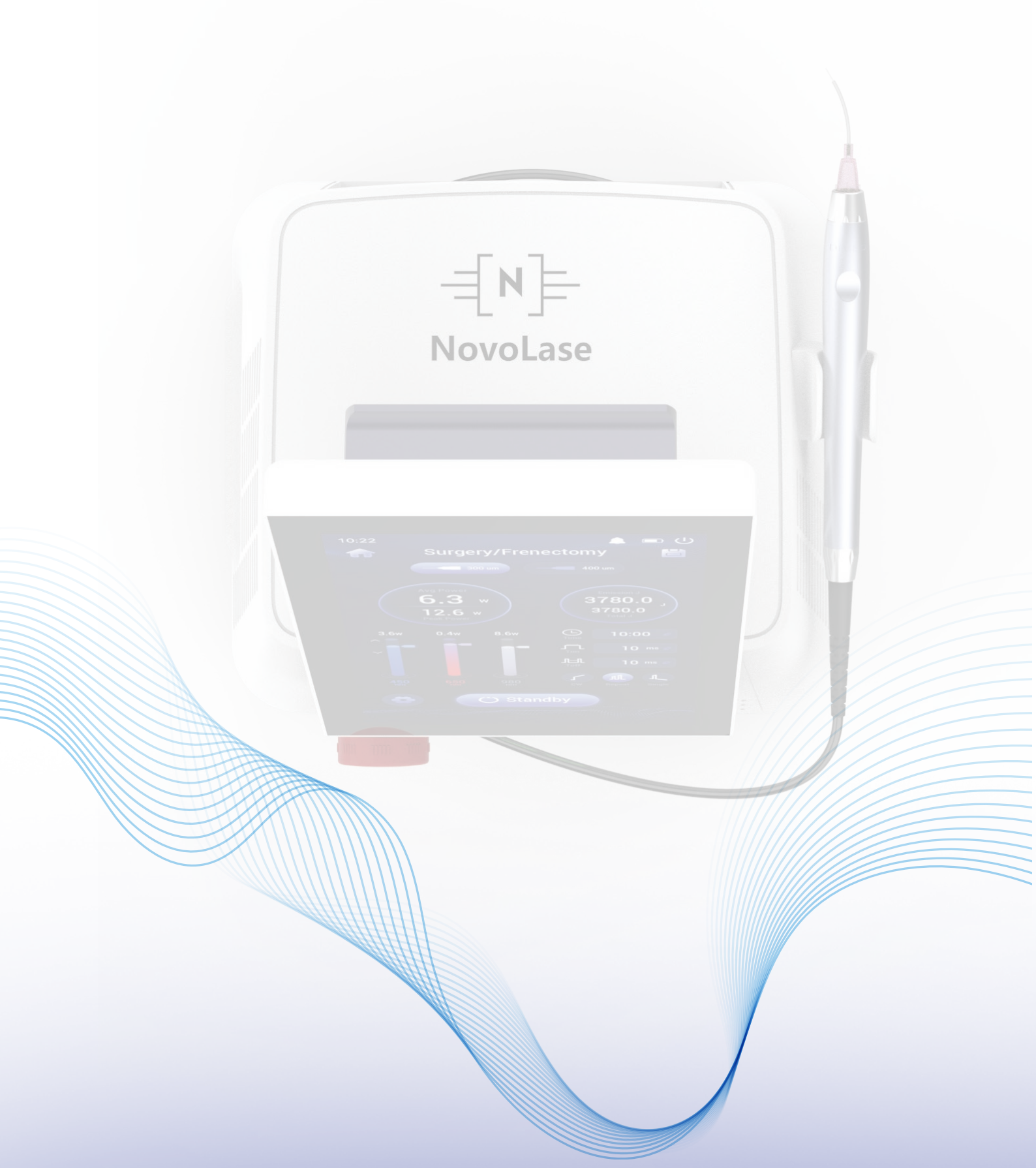
A docking station keeps all necessary cables and accessories neatly organized. This minimizes the risk of tangling, misplacement, or damage to the cables, which can prolong the lifespan of your laser equipment.

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.





ISO13485 FDA CE 2797

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