



Discover the true blue power

Maximum versatility
and flexibility



Handpieces with gas insufflation.



Tilted screen. Convenient access to treatments library.

Blue laser, the new era in ENT

Maximum versatility and flexibility

The growing demand for contact and non-contact surgical procedures that cause less necrosis has driven the development of this new surgery system that provides **greater accessibility** than a CO₂ laser

- High **cutting power**
- Great absorption by **hemoglobin** (highly hemostatic)
- Incisions with **high coagulation** and moderate necrotic band
- High **hemostatic** capacity in **interstitial** mode
- Thanks to the **thin and highly flexible fibers** (200, 300, 400, 600 µm) it reaches areas previously unreachable by an articulated arm or a thick CO₂ hollowguide
- Increase the **range of applications**
- **Low cost fibers:** economic acquisition. Autoclavable

Maximum versatility and flexibility

Blue diode laser 445nm

Bluescan™ ENT is our new compact laser unit that brings together many of the benefits of a "CO₂ + KTP" set for cutting, coagulation, interstitial vaporization and bloodless surgery. It incorporates the benefit of a **very sharp and haemostatic scalpel** within extremely flexible fiberglass.

The main benefit of a laser is the ability to produce an effect on tissue without any contact.

Each wavelength has its own characteristics, target tissues, and provides a predictable and repeatable effect.

- In surgery we look for a tool that cuts like a scalpel, without the side effect of bleeding.
- Very often we want to benefit from coagulation and its respect for the surrounding tissue
- Sometimes a treatment simply requires going through the water without heating it and reaching its goal.

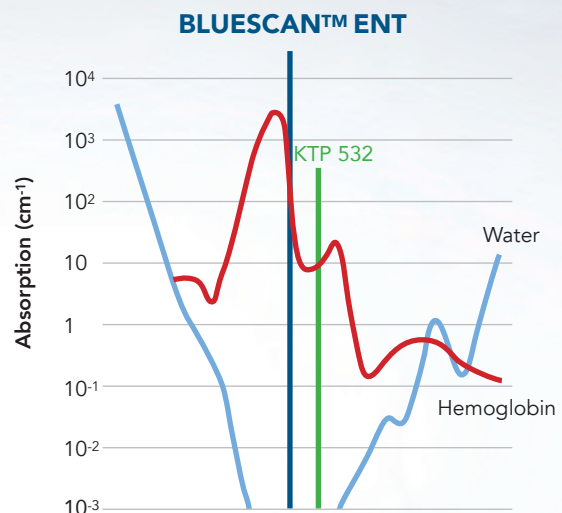
Greater efficiency

Bluescan™ ENT allows you to make a cut similar to CO₂ laser while coagulating, in turn, more than a KTP laser thanks to its maximum absorption by the oxyhemoglobin and its permeability in water.

Technical specifications

Laser type	Diode
Wavelength	445nm
Output power	0 to 10W in CW, up to 20W in pulsed
Energy per pulse	5 mJ to infinity
Repetition rate	0 to 100Hz
Pulse width	5 ms to CW
Guide beam	635µm, red - 5mW
Optical fibers	200µm, 320µm, 400µm, 550µm, 800µm, 1mm
Fiber recognition system	Yes
Cooling	Using peltier elements
Power Supply	110-240V. 50/60Hz. Single phase. Max. 360W (European standard plug)
Dimensions	35 x 37 x 20 cm (width, depth, height)
Weight	10 Kg / 22 lb

* Virtually inexhaustible, millisecond pulses.



BLUESCAN™ ENT
2 years warranty
Generator with
an estimated
life of
10.000h*



- Surgical menu 1 to 10W in CW and pulses from 5ms to 500ms, pauses idem
- Pulsed mode up to 20W (pulses up to 100 ms and D.F. up to 10%)
- Treatments library with configurable programs (name and parameters)
- External power meter to monitor the actual power at the output of the fiber
- Helium gas output synchronized with emission laser (to cool the fiber)

Maximum versatility and flexibility

Unique features in ENT

Maximum delicacy and performance

- **Fiber guided laser**

The laser is transmitted through highly flexible optical fibers that we can use in contact (cutting) and non-contact (coagulation and vaporization) modes. This ease and flexibility in transmission allows us to use the laser in different cavities.

- **No contact**

Like CO₂: due to its high absorption by hemoglobin and low dispersion effect, **Bluescan™ ENT** allows you to cut in barely contact mode (brushing the tissue) with simultaneous coagulation.

- **Efficient**

Continuous power 1 to 10W. In pulsed mode up to 20W.
Bluescan™ ENT 10W power is as efficient as 40W from a CO₂ laser and can cut like CO₂ in near-contactless mode.

- **Photoangiolytic**

Due to its very high absorption by hemoglobin, **Bluescan™ ENT** has coagulation characteristics that no other wavelength can offer.

- **Light**

Bluescan™ ENT is the portable and lightweight desktop laser companion, perfect for both in-office and OR use.

Comparison of BLUESCAN™ ENT with other lasers

	CO ₂	KTP	BLUESCAN™ ENT
NECROSIS	Very scarce	Higher	Scarce
COAGULATION	Moderate	Good	Excellent
PHOTOANGIOLYTIC	-	++	+++
VAPORIZATION	Very high	Low	High
CUTTING	No Contact	Contact	Contact and almost no contact
ACCESSIBILITY	Moderate	Excellent	Excellent

For fibers from 200 µm to 600 µm

- 19 G x 250 
- 19 G x 55 
- 21 G x 70 
- 21 G x 45 

Connected to the handpiece equipped with insufflation, it allows efficient cooling of the fiber.



Briefcase with interchangeable handpieces and tips available for a multitude of procedures.

Maximum versatility and flexibility

Aplicattions

OTOLOGY

Stapedotomy, Stapedectomy, Cholesteatoma, Wound radiation after of mechanical removal of Cholesteatoma, Glomus tumor, Hemostasis

RHINOLOGY

Synechiae, Bleeding, Morbus Osler, Epistaxis, Turbinectomy, Polypectomy; Septum, Cut and Coagulation

PHARYNGOLOGY

Resection of tumors eg. the tongue, base of tongue, oral cavity, tonsils, LAUPP

LARYNGOLOGY

Treatments in-office with fibroscope:

Papilloma, Biofilm Leukoplakia, Reinke's Edema; Polyps, Vocal cord microsurgery

Treatments in the operating room:

Papilloma, Biofilm Leukoplakia, Reinke's Edema; Capillary Ectasia, Polyps, Dysplasia; Partial resection of the larynx, treatment of Stenosis, Microsurgery of the vocal cords

Worldwide reference in laser and health solutions

INTERmedic has vast experience in the development and manufacturing of high-tech laser, radiofrequency and ultrasound solutions for medical applications as well as a firm and steady commitment to innovation and the pursuit of the most advanced medical therapies for improving people's health and quality of life. Hospitals, clinics, medical doctors and distributors all over the world put their trust in our medical platforms thanks to their efficiency, security and versatility.



INTERmedic

LASER & LIGHT SOLUTIONS

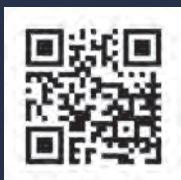
Barcelona. Vallès Technology Park, Boters 8-10
08290 Cerdanyola del Vallès, Barcelona (Spain)

Tel.: (+34) 932 656 661
intermedic@inter-medic.net

www.inter-medic.net

Follow us on:

[@IntermedicTweet](https://twitter.com/IntermedicTweet)
www.linkedin.com/company/intermedic-arfran-s.a.
www.youtube.com/user/IntermedicSpain



BLUESCAN™ ENT is a registered trademark of INTERmedic S.A.