



GBOX

VELASII

Type	GBOX-10B/F	GBOX-15A/B	GBOX-15AB	VELASII-30A/B/D/F
Wavelength	980nm/1064nm	810nm/980nm	810nm+980nm	810nm/980nm/1470nm/1064nm
Maximum Power	10W	15W	15W+15W	30W
Operation Mode	Cw, Single Or Repeat Pulse			
Pulse Duration	25μs-10s			10μs-3s
Repetition Rate	0.05Hz-20KHz			0.2Hz-20KHz
Pilot Beam	Red Diode Laser Of 650nm, Power<5mW			
Control Mode	Touch Screen, 8" True Color			
Dimension	315(H)*215(W)*245(L)mm		200(H)*400(W)*385(L)mm	
Lifetime	Over 10000 hrs		Over 20000 hrs	
Warranty	12 months free warranty, 5 years technical support			
Weight	4Kg		12Kg	
Packing	Carry case with carton			

ABOUT GIGAA

GIGAALASER is specializing in the design, manufacture and sale of medical diode lasers and accessories. Our products cover some disciplines of human, dental and veterinary medicine. For each discipline, a broad range of high quality accessories is available.

We have a strong emphasis on research and development, production, service and training. Working in conjunction with hospitals and physicians is just as important as good communication. During April 2010, GIGAALASER have completed a new financing platform for cooperation. The Biolake which is China's largest medical bio-industry base has regarded our company as the largest manufacturer of medical diode laser systems and offered us new investment. We will take full advantage of this new platform, using the development, production, financial, human and other resources to accelerate the development. We will continue to provide new medical technology and good service to our honorable customers.



Wuhan Gigaa Optonics Technology Co.,Ltd.

ADD: B8-A5, Building B8, Hi-Tech Medical Device Industrial Park, #818 Gaoxin Avenue, Wuhan 430206, China

Ph: 86-27-67848871 67848872 Fax: 86-27-67848873

<http://www.gigaalaser.com> Email: info@gigaalaser.com

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Lasers for ENT

EAR
NOSE
THROAT

Wuhan Gigaa Optonics Technology Co.,Ltd.



INTRODUCTION

Laser is now universally accepted as the most advanced technological tool in various specialties of surgery. However the properties of all lasers are not alike and surgeries in the ENT field have advanced significantly with the introduction of Diode Laser.

Diode Laser offers the most bloodless surgery available today. This laser is especially suited for ENT works and finds application in various aspects of surgery in the ear, nose, larynx, neck etc. With introduction of Diode Laser, there has been a significant improvement in the quality of ENT surgery.

The commonly used lasers in ENT till date were CO₂ (carbondioxide), argon laser and Nd: YAG laser. The diode laser, 980 nm wavelength which was invented and introduced to the field of ENT surgery recently, combines the beneficial effects of all these lasers into one. The tissue cutting effect is comparable to that of CO₂ laser, its coagulation effects are comparable to that of argon laser, and it results in a slightly higher degree of absorption by tissue than does the ND: YAG laser.

This a lightweight, portable 980nm wavelength Diode laser with a fiber optic delivery system is being used widely the field of otolaryngology, as it is more affordable.

ADVANTAGES:

- Low cost
- Bloodless treatment
- High precision ablation
- Fast and gentle outpatient treatments
- Mini-invasive surgery through flexible fiber optics
- Easy operation, can be introduced by endoscope
- Enhanced healing
- Less postoperative trouble

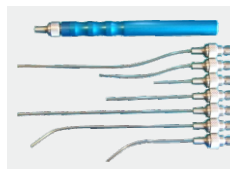


Bare fiber



Length: 3m
Sterile packaging (ETO)
NA 0.37
400µm/ 600µm
SMA 905 connector

ENT surgery handpiece



Aluminum
Blue
General surgery

APPLICATIONS:

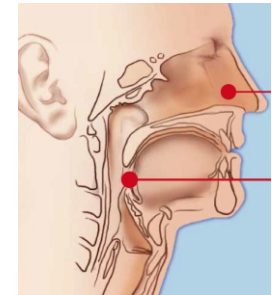
1. It can be used in contact mode, in which the tip of the fiber is placed directly on the surface of the tissue. This mode is effective for both photocoagulation and vaporization of tissue, depending on the power density. At the low- or mid-power range, coagulation occurs; at a higher level, vaporization occurs.

2. The laser can be used in near-contact mode, in which the tip of the fiber remains several millimeters apart from the tissue. This mode is largely used for tissue photo coagulation.



Ear

- Cysts
- Accessory auricle
- Tumors of the inner ear
- Hemangioma
- Myringotomy
- Cholesteatoma
- Tympanitis



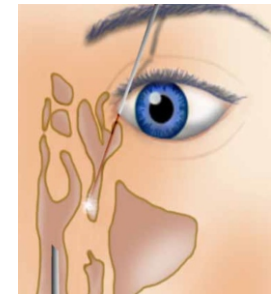
Nose

- Nasal polyp, rhinitis
- Turbinate reduction
- Papilloma
- Cysts & Mucoceles
- Epistaxis
- Stenosis & synechia
- Sinus surgery
- Dacryocystorhinostomy (DCR)



Throat

- Uvulopalatoplasty (LAUP)
- Tonsillotomy,
- Glossectomy
- vocal cord polyps
- Epiglottectomy
- Strictures



Biostimulation handpiece



Aluminum Alloys
Length: 164.5mm
Diameter: Φ16.6mm
Spot size: 3mm or 10mm
600um with
SMA905 on both sides
Therapy