

QUADROSTAR PRO

THE NOVEL TABLE-TOP LASER SYSTEM
FOR SURGICAL APPLICATIONS



JENA SURGICAL
LASER AT YOUR SIDE

THE FLEXIBLE SOLUTION

QUADROSTARPRO – MULTIPURPOSE DIODE TECHNOLOGY FOR SURGICAL APPLICATIONS

The **QuadroStarPRO** is a table-top diode laser system (940 nm or 980 nm) with a compact, ergonomic design suitable for phlebology and endovascular laser treatments, but its versatility also makes it ideal for many other surgical applications.

Therefore, this laser device offers you a wide range of surgical applications, involving cutting, coagulation, resection and hemostasis. Endovenous laser treatment (EVLT) is one of the most recommended options to treat varicose veins, because of efficiency and reduction in adverse events. Main application fields, besides EVLT, for the **QuadroStarPRO** 940 nm and 980 nm are endonasal treatments (ENT).

ADVANTAGES FOR THE SURGEON

- Ergonomic table-top device
- Possibility to choose between two different wavelengths: 940 nm/ 980 nm
- Extensive equipment portfolio
- EndoSet (specific fiber kit for endovascular treatments, consisting of EndoFiber NIR Q 600 with catheter and Insertion Set)
- Fast and safe procedures with excellent clinical results
- Perfect hemostasis, fast cutting

ADVANTAGES FOR THE PATIENT

- Minimal invasive surgery
- Pain free, smooth surgery with minimal bleeding
- Low to non-side effects



FEATURES QUADROSTAR PRO

TWO OPTIONS
940 or 980 nm

FLEXIBLE
quartz fibers

SPECIAL TROLLEY
for the transport

COMPACT
table-top device



SPECIAL FOOTSWITCH

to adjust the fluence and / or repetition rate for an efficient workflow



HANDPIECES

for reusable fibers and variety of cannulas

APPLICATIONS AND CLINICAL CASES

The **QuadroStarPRO** provides two different wavelengths: 940 nm and 980 nm. These are indicated for a variety of surgical applications which necessitate cutting, coagulation, resectioning and haemostasis.



ENDOVENOUS TREATMENT (EVLT)

The **QuadroStarPRO** is indicated for venous insufficiency procedures such as EVLT. The **QuadroStarPRO** guarantees cutting edge treatments with a low recurrence rate and with considerably lower risk of complications. The treatment is fast and offers excellent clinical results. For this procedure, surgeons can use the **QuadroStarPRO's** EndoSet. It serves for carrying out endovascular laser therapy and the treatment of varices.



ENDONASAL TREATMENT (ENT)

The **QuadroStarPRO** is indicated for medical office treatments of the nose, including excision of polyps, shrinking of the hyperplastic turbinates, cicatricial stricture, synechiae, septal spur and -crest, mucocèles and cysts. The ENT treatment with the **QuadroStarPRO** requires the following equipment: Laser with connected fiber, evacuation, safety goggles, endoscopes, repair set and a video camera.



LASER-ASSISTED UVULA PLASTIC (LAUP)

The **QuadroStarPRO** is designed for uvula plastic surgeries such as reducing or removing the uvula by tightening not only the uvula itself but also the pharynx and the velum. Due to the reduced tissue, the cross section of the respiratory tract can get enlarged.





LAPAROSCOPY & ADHESIOLYSIS

The **QuadroStarPRO** is indicated for laparoscopy procedures such as removing adhesions in the abdomen, including but not limited to cholecystectomy, appendectomy and tumor destruction. Its homogeneous beam profile for maximum precision makes the surgery fast, easy and safe for the surgeon as well as the patient.



LIPOLYSIS

Fat reduction and rejuvenation are in high demand in the field of body contouring. Lipolysis with the **QuadroStarPRO** is suitable for this treatment. For this invasive procedure, the LipoSet was produced including special fibers and handpieces. The special technique makes treatment of hard to reach areas, such as neck, chin, knee or the under breast area, possible in an easy, effective way.



ONYCHOMYCOSIS

Nail treatment with the **QuadroStarPRO** is a proven treatment option in combination with a classical, medical therapy. The nail gets heated up quickly thanks to a specific wavelength, high power and frequency. The treatment is finished after a few minutes and the nail can grow back healthy.

CLINICAL CASES

ENDOVENOUS TREATMENT (EVLT)

Endovenous treatment, performed with the QuadroStarPRO⁹⁴⁰. (A) before and (B) after the treatment.

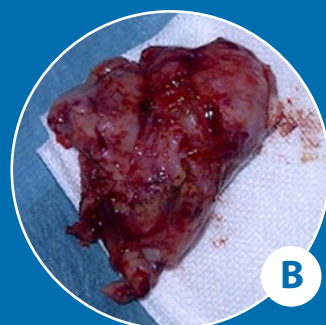
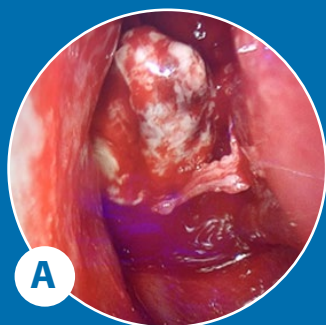
[Courtesy of MD Abror Shermatov, Tashkent, Uzbekistan]



ENDONASAL TREATMENT (ENT)

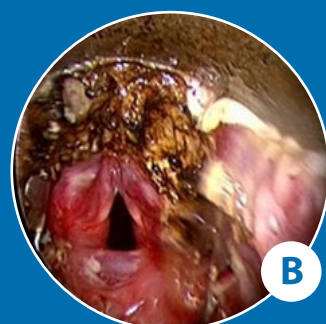
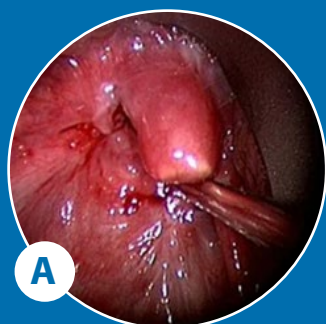
Rhino-sinusal endoscopy: (A) angiofibroma (initial endoscopic vision), (B) surgical specimen as a whole. Excision performed with QuadroStarPRO⁹⁸⁰.

[Courtesy of Prof. P. Nicolai, MD, Director of ENT Clinic, Spedali Civili di Brescia, Italy]



Epiglottidectomy resulting from caustic ingestion. Beginning (A) and end of surgery (B) performed with QuadroStarPRO⁹⁸⁰.

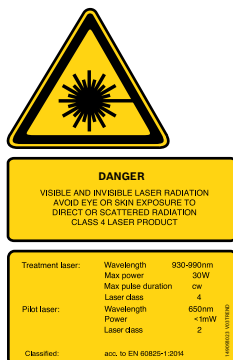
[Courtesy of Dr. Enzo Emanuelli, MD, ENT OTtosurgery, University Hospital of Padua, Italy]



TECHNICAL SPECIFICATIONS

QuadroStarPRO	
Laser Source	Diode
Wavelength	940 or 980 nm
Emission Mode	Continuous Wave (CW) – Pulsed Wave (pw)
Power	Up to 30 W
Repetition Rate	Up to 100 Hz
Pulse Duration	1 ms until CW
Operating Temperature Range	15° - 30°C
Rel. Humidity	Max. 70 % (no condensation)
Cooling	Air cooling
Beam Delivery	Wide Range of flexible optical fiber
Aiming Beam	Laser Diode @650 nm < 1 mW, adjustable (CW or flashing)
Control Panel	5.7" LCD with touch sensitive buttons
Accessories	Fiber handpieces and diverse cannulas
Electrical Requirements	100 - 240 Vac – 50/60 Hz
Dimensions and Weight	19 (H) x 38 (D) x 42 (W) cm ³ , 12 Kg

*All specifications are subject to change without notice.



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