LASERS FOR ENT

WOLF 980 nm

WOLF
DIODE LASER

- 980 nm, 18 Watt
- Intuitive Handling
- Small foot print
- Compact air-cooled system
- Green/red aiming beam
- High flexibility due to various fiber dimensions
A.R.C. Laser is the synonym for laser technology “Made in Germany”. All research and development for our lasers takes place in Germany. The international success made A.R.C. one of the strongest laser companies worldwide.

The roots of this privately held company located in Nuremberg ranges back into the long history of laser application in medicine. The founders of Meditec GmbH (1978) brought the first commercially available Nd:YAG laser (secondary cataract) in ophthalmology to the market 1981, later on they had the first Excimer-Laser for refractive surgery, the Meditec Excimer Laser (MEL). Followed by the MEL 80 (Carl Zeiss Meditec), this system still represents a high level of innovation.

A.R.C. Laser is a technology company specialized in the development, production and sales of laser systems for fields such as ENT, Ophthalmology, Aesthetic Surgery and Dermatology, Phlebology with a strong arm in Dentistry.

Lasers were mostly used by clinics and surgery centers in the past. Based on our new diode laser WOLF+, we are now able to offer a cost effective laser solution to our clients - Expand your range of treatments. Invest in new technology for more success in your practice. Use the advantages of our diode laser WOLF+. Get in touch with laser technology „Made in Germany“.

Thinking of Ophthalmology we hold more than 60 patents in this field with its extent range of applications. Today, the laser is uncompromisingly the surgeon’s 1st choice.

Today’s patient expectations are more demanding than ever. We’ve brought together an experienced team of engineers that knows how to meet and exceed patient expectations by utilizing advanced technology.

We cordially invite you to scroll with us through this brochure to get an idea of the development of diode laser for ENT made by A.R.C. Laser.

The WOLF Laser is widely accepted throughout all health service fields. This results in a dense net of users all over the world and a reasonable retail price for our clients. Intelligent solutions and motivated employees stand for a high product quality.

Angela Thyzel
CEO A.R.C. Laser
DESIGN, PERFORMANCE AND VALUE FINALLY CONVERGE

WOLF is an essential component to any outpatient procedures. WOLF is a more practical alternative to large, expensive lasers. WOLF is unmatched in performance.

PORTABLE. AFFORDABLE. VERSATILE.

The WOLF offers up to 18 W - sufficient power for almost any treatment.
WOLF
DESIGN, POWER AND VALUE

- Touch Screen & brilliant TFT Display
- Powerful and versatile
- Small and compact

- Mobile and flexible
- Various hand pieces and a wide range of accessories for many applications

WOLF 980
WOLF 1064
WOLF 1470

Versatility
The WOLF can be equipped with your diode of choice – 980, 1064 or 1470, offering a wide array of potential medical applications. The WOLF provides the latest technology for 1470 nm applications like the optimized DCR. It can also be delivered with high output power of 980 nm for surgical use, for orthopedic PLDD, as well as for laser assisted lipolysis. It is the perfect choice for many applications in surgery, orthopedics, dermatology and ENT.

- 18 W* max. (980 nm)
- Micro-Pulse
- Maximum control and flexibility
- Easy to handle fiber system

2 wavelengths?
Simply stack it.

* Output power
**Modern Design**

The WOLF truly stands apart from the industry in terms of design and craftsmanship. Through use of advanced materials and cooling technology, the laser is a fraction of the size and weight of other lasers on the market. This provides an unparalleled level of portability and flexibility OR-setup, clinic or office.

**Flexibility**

The WOLF platform offers unmatched performance of form, fit and function. The laser is designed for a highly stable output power, providing >18 Watts of optical output power. You stay flexible for all applications with a variety of fiber dimensions, from 300 to 600 micron.

**Ease of use**

The WOLF unit is controlled by a high resolution, high brightness color touch screen with wide viewing angles to allow easy operation irrespective of location. Surgeon names and application presets can be stored allowing rapid and easy set-up. All fibers utilize patented plug-and-play connection.

We are confident that the WOLF unit provides you with the best device on the market today for your vascular, surgical, aesthetic or dental applications.

Two different aiming beams are available: Red or Green.

WOLF is a portable and powerful Laser to support you at any place - either in your OR, practice or on location.

Perfect protection with our goggles.
The wavelength of 980 nm is highly absorbed in water and hemoglobin. With a thermal penetration depth less than an Nd:YAG laser, the 980 nm wavelength is outstandingly safe and precise to protect the surrounding tissue.

Compared to the CO₂ laser, the diode laser 980 nm exhibits a significantly better hemostasis and therefore prevents bleeding during the treatment. Optimum results with modern laser technology. The small diode laser is the ideal system for outpatient laser treatments such as Conchotomy, Tonsillotomy or Hemangioma. The physician benefits from a tactile feedback of the laser fibers and the patients benefit from the short recovery period. You can choose from a battery-powered system up to a dual-wavelength combination.
Laser-Turbino-plasty inside the nasal cavity to reduce the inferior turbinate.

LETP, Laser Assisted Tuboplasty of Eustachian Tube

Fibroma dissection with the WOLF

implantation of a stapes prosthesis: NITIBOND® by KURZ GmbH Medizintechnik

Outpatient Procedures
- Conchotomy / Turbinotomy
- Polypectomy
- Septal Spur removal
- Epistaxis, Morbus Osler
- Synchias, Stenosis in nasal structures
- Laser Assisted Uvulopalatoplasty (LAUP)
- Tonsillotomy
- Vascular Lesions, Hemangioma
- Teleangiectasia

Surgical Procedures
- Tonsillectomy
- Fibroma, Granuloma resection
- Cysts, Mucoceles
- Septoplasty
- Laser Assisted Tuboplasty of Eustachian Tube (LETP)
- DacryoCystoRhinostomy (DCR)
- Lacrimal Duct Stenosis
- Stapes surgery
- Stapes prosthesis closure
- Paracentesis, Myringotomy
- Partial Glossectomy
- Tumor vaporization

Postoperative pain is significantly reduced when compared to non laser procedures: Minimal or no requirement for anesthetics.
**Flexible Laser Fibers**
The lasers efficacy is growing when using the tiny Laser fibers in combination with micro-flexible endoscopes. It allows precise handling and are an ergonomic tool for optimal access.

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**Surgery Hand Piece (HS11018)**

Ready for individual use, thanks to a wide selection of different applicators for precise handling with the easy to change needles - curved or straight

**Otology Cannula (ZU01029)**
For highest precision (200 µm)

**Larynx Hand Piece (ZU01022)**
Flexible 30 cm

These accessories meet the increased demands on sterility and operational integrity. They allow precise working in conjunction with the easy to change applicators: - curved or straight.

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ZU01023 Laser two canal hand piece
The growing demand for inexpensive laser applications in ENT is supported by disposable hand pieces. These meet the increased requirements for sterility and operating capability.

Small bare fibers easily fit inside microflexible endoscopes. Available diameters:
- 300 µm
- 400 µm
- 600 µm
Length: 2.65 m

Patented Click-Fibers
High-quality laser coupling for the precise connection of fiber optic and laser
A.R.C. LASER
HYBRID SYSTEMS FOR ENT

CO2 LASER
with articulated arm and various hand pieces

SCANNER
high speed ultra fine scanner

GREEN
NUVOLAS green 532 nm laser

A.R.C. hybrid laser system
consisting of a green 532 nm Laser „NUVOLAS“
a Scanner System „Weasel“
and the CO2 body “C-LAS”

High precision micro-manipulator with a working distance up to 500 mm

Perform your surgery with the micromanipulator in „Line of Sight“
enlighten your surgery.

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