

# Lokki Lis Laser

*The Future of Surgical Lasers*

## **Nd:YAP LASER**

has a patented  
wavelength of 1.34 $\mu$ m\*.

.....

*This multidisciplinary  
laser is perfect for  
minimally invasive  
surgical and endoscopic  
procedures.*



ACCURATE - EFFECTIVE - SAFE

\*(Lokki International Patent)



# The Lokki Lis Nd:Yap (Yttrium - Aluminum - Perovskite) laser is a pulsed laser transmitted by optical fiber with a wavelength 1.34 $\mu\text{m}$ .

## EFFECTIVENESS

- 20 times more absorbed by water than 1.06  $\mu\text{m}$  lasers
- Low thermal diffusion
- Reduced healing time and post-operative pain

## MULTI-PURPOSE

- Efficient control of severe bleeding - most effective hemostatis compared to other surgical lasers
- Soft tissue resection and coagulation
- Hard tissue resection and coagulation

## ACCURACY

- Thin, flexible silica optical fiber transmits laser beam
- Bare (contact) fiber allows for precise cutting and vaporization
- Gas-cooled fiber (non-contact) provides a stable effect for coagulation and vaporization



## SAFETY

- Easy modification of laser power density by operator
- Very low necrosis effect due to water absorption and pulse mode of emission.
- No electrical or ionizing effect.

## APPLICATIONS

- Pulmonary/Thoracic
- ENT
- Gynecology
- Urology
- Gastro-enterology
- Orthopedics

## TECHNICAL DATA

**Type** Nd: Yap

**Wavelength** 1.34  $\mu\text{m}$

**Average Power** 20 W

**Peak Power** 4 kW

**Pulse Duration** 200  $\mu\text{s}$

**Repetition Rate** 5, 10, 30 Hz

**Aiming Laser** 655 nm, 3 mW

**Silica Optical Fiber**

**Built in gas feeding system**

**Power** 110 - 120 V, 60 Hz

**Built in cooling system**

### Computerized Keyboard

Preset parameters

- 30 Hz (thermal action)

- 10 Hz (superficial thermal action)

- 5 Hz (mechanical action)

### Three power levels for each mode

### Foot pedal control

**Size** 18/21/31.5 in

**Weight** 121 lbs

### Standard Accessories

- gas cooled fiber

- bare fiber

- safety glasses

