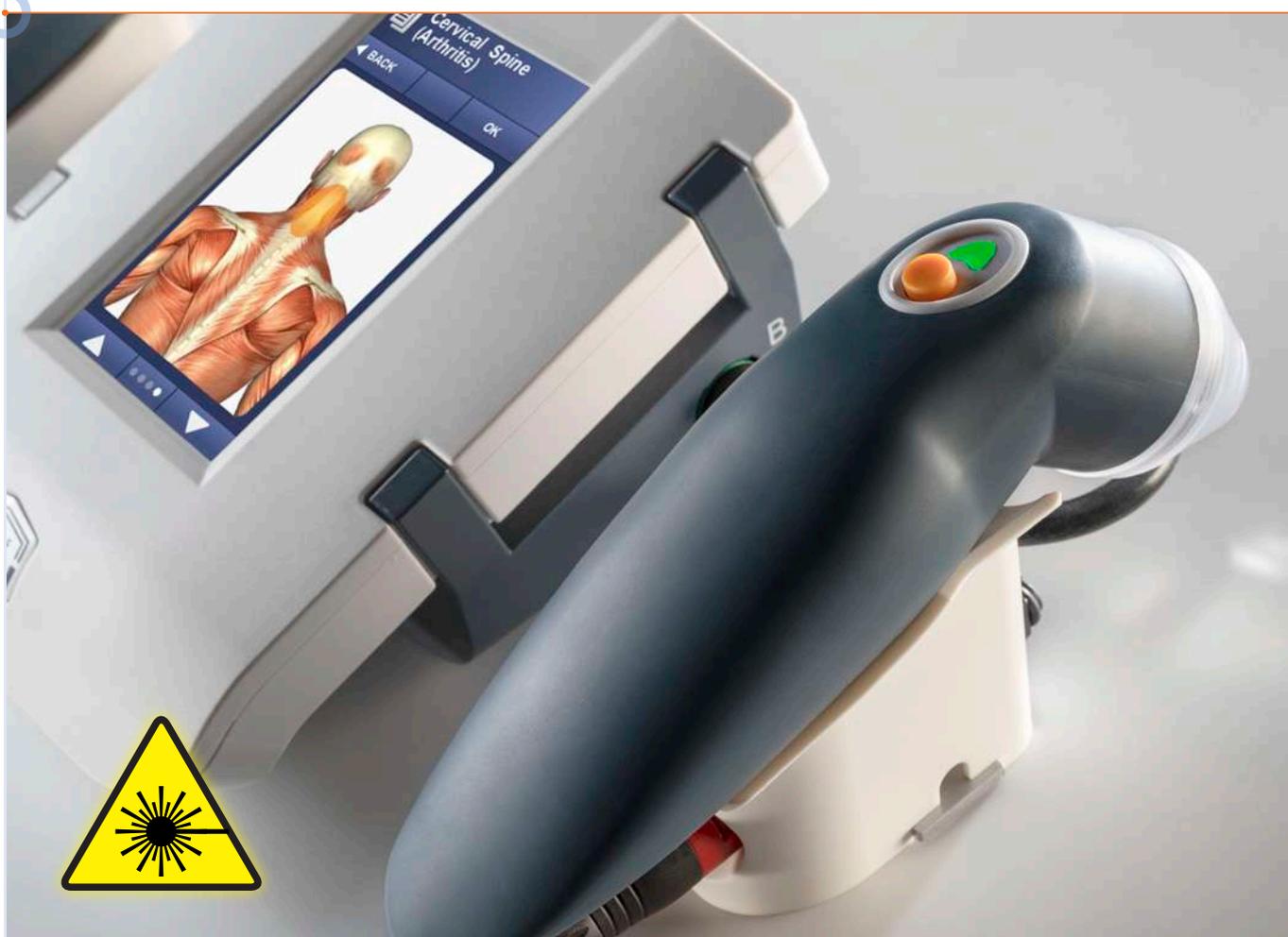


# ENDOLASER 120



## HIGH PERFORMANCE THERAPEUTIC LASER

The 905 nm GaAs laser probe delivers pulses in nanoseconds, producing average powers of 100 mW and peak powers up to 100 W per diode. This results in a higher concentration of light energy ( $I_0$ ), or photon density at tissue depth, without the risk of burning tissue.

## PROVEN EFFECTIVENESS

The clinical application of light – produced by laser diodes with a power output up to 1600 mW - is scientifically well documented. The 905 nm (GaAs) pulsed laser is the most versatile for deep lying structures (joints, vertebrae, back (muscles) whereas the 808 nm (GaAlAs) is more appropriate for wound healing and tissue repair. Scientific evidence continues to demonstrate that pulsed light does have biological and clinical effects that are different from those of continuous wave (CW) light. Several studies revealed that the LLLT in pulsed wave mode of operation can better penetrate through the melanin and other skin barriers, supporting the hypotheses that pulsing is beneficial in reaching deep target tissue and organs [1].

## EVIDENCE BASED CLINICAL GUIDELINES

The Endolaser provides the user with dosage recommendations for the effective treatment of pain and various musculoskeletal disorders.

## MULTIPLE LASER PROBES AVAILABLE

For the treatment of smaller surfaces probes, there is a choice of single laser probe with a total power up of 100mW and 500mW are available. For the treatment of larger areas the cluster probe, combining 4 diodes with a total up to 1600 mW, can be used. The Endolaser automatically recognizes the type of probe that is connected.

## QUICK ACCESS POWER BUTTONS

The output power of the Endolaser 120 can be easily set at different levels for easy dosage settings.

## TARGET LIGHT

When treating a patient without probe-skin contact, the red target light helps the therapist to focus on the area to treat. The target light contributes to a safe treatment by indicating the irradiation area of the laser beam.

## ERGONOMIC PROBES

The ergonomic probes can be used with or without skin contact. Each probe is equipped with a start-pause button for easy control. The indication light on top of the probe indicate the emission state (laser running or laser-ready).

# ENDOLASER 120

## 1633901 ENDOLASER 120

with single probe holder



## 1633902 ENDOLASER 120

with double probe holder



### STANDARD ACCESSORIES

- Endolaser 120 base unit
- 2x Laser Safety Eyewear (goggles)
- Infosheet
- User manual (on CD)
- 3444290 Mains cable 230V-EUR
- 1x Probe holder (premounted)
- 1x Doorswitch cable

### STANDARD ACCESSORIES

- Endolaser 120 base unit
- 2x Laser Safety Eyewear (goggles)
- Infosheet
- User manual (on CD)
- 3444290 Mains cable 230V-EUR
- 2x Probe holder (premounted)
- 2x Doorswitch cable
- Interlink cable (premounted)

### OPTIONAL ACCESSORIES

- 1632801 LP100P Laser probe 100 mW, super pulsed laser diode (905 nm)
- 1632802 LP500C Laser probe 500 mW, continuous laser diode (808 nm)
- 1632803 CP4X100C Cluster probe 4x100 mW, continuous laser diode (808 nm)
- 1632804 CP4X400C Cluster probe 4x400 mW, continuous laser diode (808 nm)
- 3444820 Laser Safety Eyewear (set of goggles)

### OUTPUT

- 100 mW
- 500 mW
- 4 x 100 mW
- 4 x 400 mW

### PEAKPOWER

- 100 W



1632801



1632802



1632803



1632804



3444820

### TECHNICAL SPECIFICATIONS

General			
Mains voltage:	100 - 240 Volt	Safety and performance standards	
Frequency:	50/60 Hz	Medical device classification	IIa; Rule 9 Annex IX of EEC
Max. power output:	20 VA	93/42/	This equipment complies all requirements of the Medical Device Directive (93/42/EEC).
Dimensions device (length x width x height):	22 x 16 x 14 cm	with	General requirements for the safety of electrical medical systems.
Weight unit:	1.6 kilograms	IEC 60601-1	Electrical safety class II Type B Applied part.
Type of laser diode:	GaAs (pulsed) and GaAlAs (continuous)		
Preprogrammed clinical protocols:	22	Safety class according to IEC 60601-1	
Number of favorites to save:	20	Applied parts	
		Classification of laser according to IEC60825-1	3B

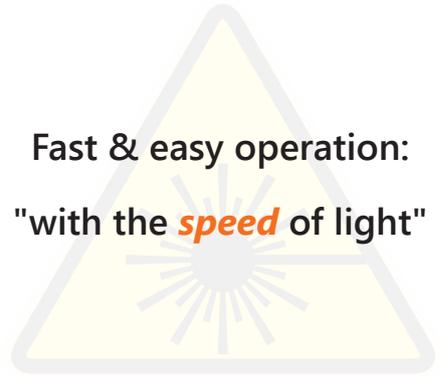


**ENRAF-NONIUS B.V.**  
 Vareseweg 127  
 3047 AT Rotterdam  
 Nederland  
 T: +31-(0)10 - 203 06 00  
 E: info-nl@enraf-nonius.nl  
 www.enraf-nonius.nl

# ENDOLASER 120

**Powerful solution** to eliminate pain,  
reduce inflammation and  
accelerate tissue healing

Fast & easy operation:  
"with the **speed** of light"



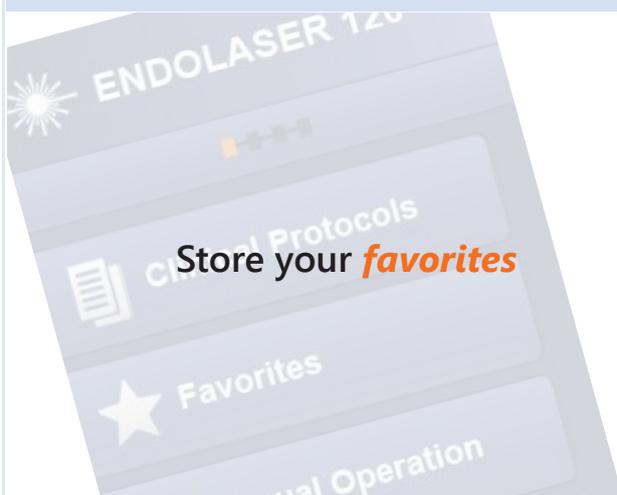
**Safe**



Evidence Based Clinical **Guidelines**  
incorporated

**Drug-free** and non-invasive

**Effective**



Smart laser monitoring system  
-Long Life Time Laser Technology-  
to ensure a **stable output**.  
Now and in de the future

# ENDOLASER 120



**Automatic recognition** of connected  
laser probes

**High Quality**  
beam characteristics

Full colour **touchscreen**

**Automatic dosage** / time adjustment  
based on output power level



**Ergonomically** designed probes

**Variety** of probes:  
CW and Pulsed

Easy to **clean** probes

**Compact** & light weight