
# LX16 plus

Innovative Three Wavelengths Blue Semiconductor Laser Therapy Device

## product details


## Wide scope of application

Can be used for the fields of dental soft tissue surgery, endodontic sterilization, periodontal sterilization, peri-implantitis, low intensity laser therapy, oral ulcer, and teeth whitening.

Remarkable treatment effect:
There is basically no bleeding during operation, maximally minimizing the postoperative swelling, reducing pain of patients, and accelerating the recovery.


Before treatment


Under treatment


Four weeks later


## Intelligent human-machine interaction

5-inch full-view capacitive touch panel with flat UI design

# Three wavelengths meet requirements of more treatments

01

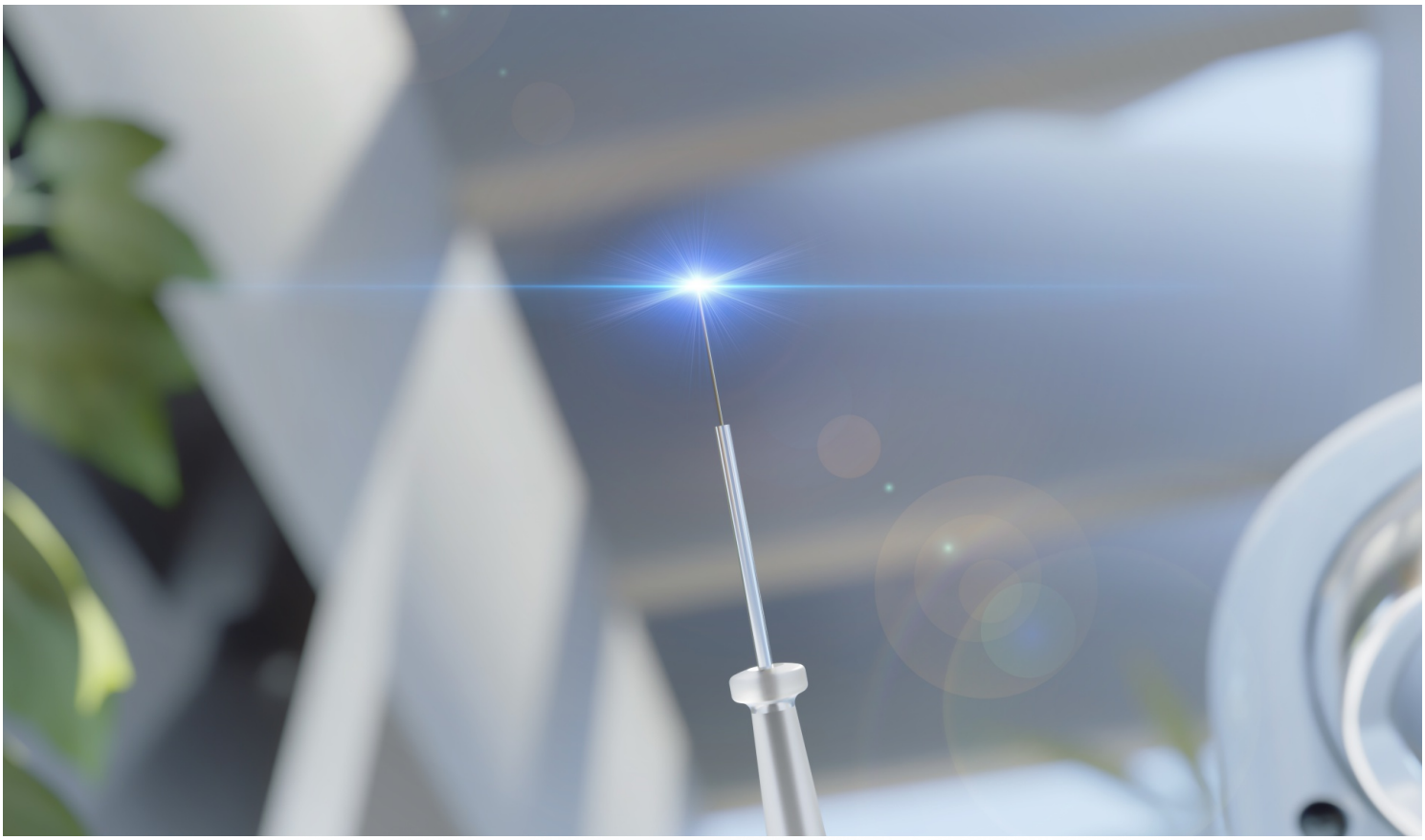
The innovative 450 nm blue laser technology is ideal
for soft tissue cutting, ablation, coagulation
and incision/excision.
At 450 nm, the absorption constant of hemoglobin is
two orders of magnitude for ordinary lasers (e.g. 980nm/810nm),
making it only need very low laser power
to complete the treatment,
and the thermal damage during treatment is extremely low.

02

976nm is a traditional infrared dental laser.
Due to its deep penetration in tissues,
it is widely used for the reduction of bacteria
in periodontal disease and endodontic diseases.
At the same time, this wavelength is also suitable
for high power laser treatment (HPLT) and pain reduction in TMJ.

03

The 650 nm laser is used for low level
laser therapy (LLLT) effects.
It is also known as the photobiomodulation (PBM) effect.
It will contribute to wound healing
and biostimulation of dental surgery.



The fiber-optical tips and Stainless handpiece sleeve can be autoclaved.

Effectively prevention of cross-infection

# Large-capacity battery

11.1V 2600mAh x2 (57.7Wh) lithium battery,
which can be used for one week on a single charge.

## Complete accessories

- Fiber-optical tips
- TMJ therapy tip
- whitening tip
- biostimulation tip
- laser protective glasses

## Effective prevention

Three pairs of laser protective glasses can
effectively prevent the dentist,
assistant and patient from laser radiation.

Metal handle enables flexible movements.

## Laser parameters

### Wavelengths & optical power

450 ± 20 nm / Pmax = 3W
650 ± 20 nm / Pmax = 200 mW
976± 20 nm / Pmax = 5 W

### Laser system

450 nm: Class IV;
976 nm: Class IV;
650 nm: Class II (according to IEC 60825-1)

### Emission modes

CW (continuous wave),
chopped 1 Hz to 20 kHz

### Aiming beam

650 ± 20 nm / Pmax < 5mW

### Battery

11.1V 2600mAh x2 (57.7Wh)


# technical parameter

Power adapter input：100-240Vac，50/60Hz，2.5A

Wavelength and power:
a）450± 20nm： Pmax = 3W;
b）650± 20nm： Pmax = 200mW;
c）976± 20nm： Pmax = 5W;

Laser classification:
a）976 nm: Class IV;
b）650 nm: Class II;
c）450 nm: Class IV;

Emission modes:CW (continuous wave),chopped 1 Hz to 20 kHz

Aiming beam: 650 ± 20 nm /Pmax<5mW

Rechargeable battery: 11.1V/2600mAh x2 (57.7Wh)

Time consumption for charging: about 4h (5 hours for first charging)

size: 22cm x 20cm x 23cm

Weight: 1.5kg