

*AnnoTek*

LS-3000

لیزر چند طیف شبکه

Multicolor Laser Photocoagulator

شرکت پرتو صنعت پیرامون



مدل LS3000

قابل استفاده در اتاق عمل و مطب

Parto Sanat Piramoon Company

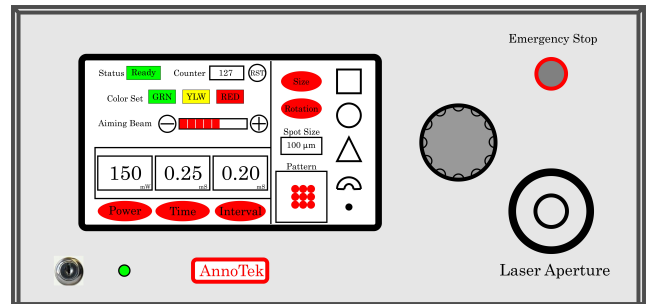
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# LS-3000

## Multicolor Laser Photocoagulator

### ◆ LCD Touch Panel

LS-3000 has 7 inch touch control display. The knob control let the doctors adjust all parameters such as power, exposure and interval time. It is also used for controlling the pattern mode.



### ◆ Micro pulse Function

This function can be turned on or off by user. With micro pulse, a chain of repetitive laser pulses will work on retina which decreases the heat effect considerably. This function is very useful in Macular treatments.

### ◆ Selectable Laser Color

Laser colors are selectable; According to your usage, you can order single color Laser (Green, Yellow or Red). Or you can request any combination of two color Lasers (Green\_Yellow, Green\_Red or Yellow\_Red). Three color Laser (Green, Yellow, Red) is available, too.

	Green	Yellow	Red
One color selection	✓	✓	✓
Two color selection	✓ ✓	✓ ✓	✓ ✓
Three color selection	✓	✓	✓

### ◆ 532nm Green Laser

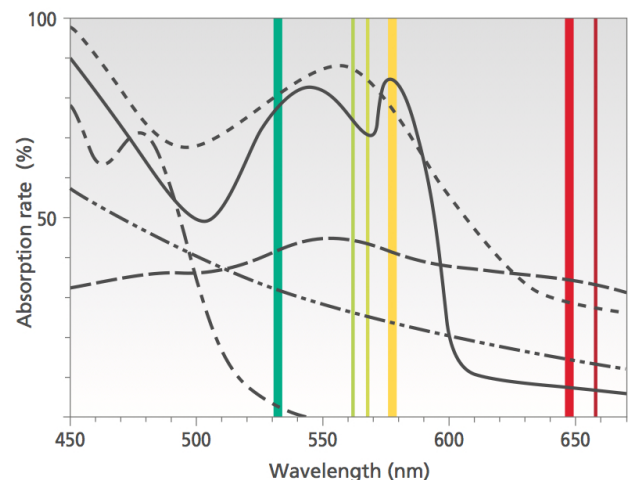
The best green wavelength for common Retinal treatments.

### ◆ 589nm or 577nm Yellow Laser

Wavelength selection is by your order. Yellow Laser is the preferred one for macular treatment.

### ◆ 638nm Red Laser

This wavelength is used for photocoagulation of deep choroidal pathology.



- Reduced hemoglobin
- Oxygenated hemoglobin
- ..... Xanthophyll
- .-.-.- Pigment epithelium
- Lens scattering

## ◆ Control Panel

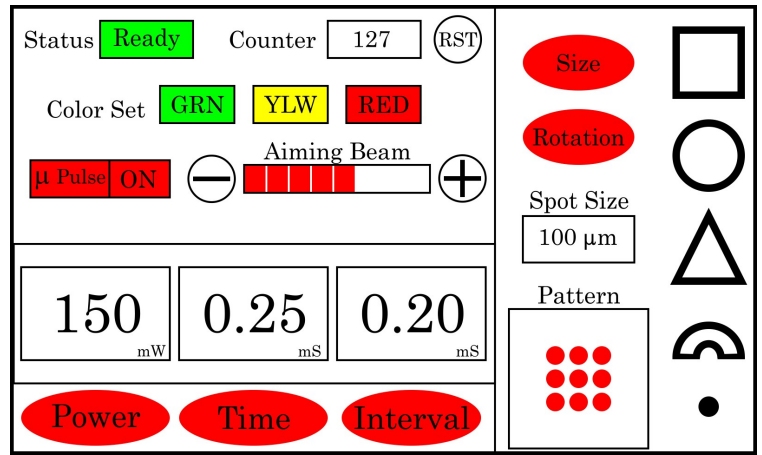
Wide range of power and time selection is possible by a single knob.

### Power Adjustment

**Green** Laser power is optional; You can select between two ranges: 50mW to 1500mW or 50mW to 2000mW.

**Yellow** Laser power can be adjusted from 50mW to 1000mW.

And **Red** Laser from 50mW to 1500mW.



### Timing Adjustment

Laser emission time can be chosen

from 0.01 to 1.00 second. And interval time can be selected either the single or repetitive pulses from 0.01 to 1.00 second.

## ◆ Multimode Laser Consul

Laser consul can be used as Endo Laser in the operation room. It also can be attached to Slit-lamp or Indirect ophthalmoscope by means of delivery system.

LS-3000 operates with 20/23/25 Gauge Endo Probe Laser.

## ◆ Pattern (option)

In pattern mode, the scanner provides you variable range of shapes and sizes.

### 1- Square

(2×2, 3×3, 4×4, 5×5)

### 2- Circle

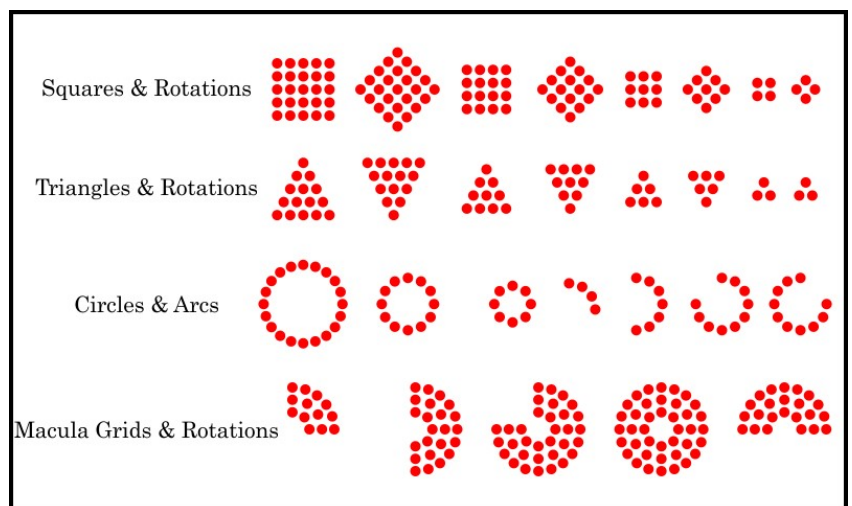
(6 spot round and 12 spot round)

### 3- Triangle

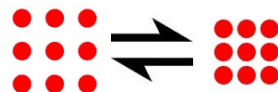
(2, 3, 4 and 5 spot angles)

### 4- Arc

(2 to 3, 3 to 4 and 3 to 5 spot)



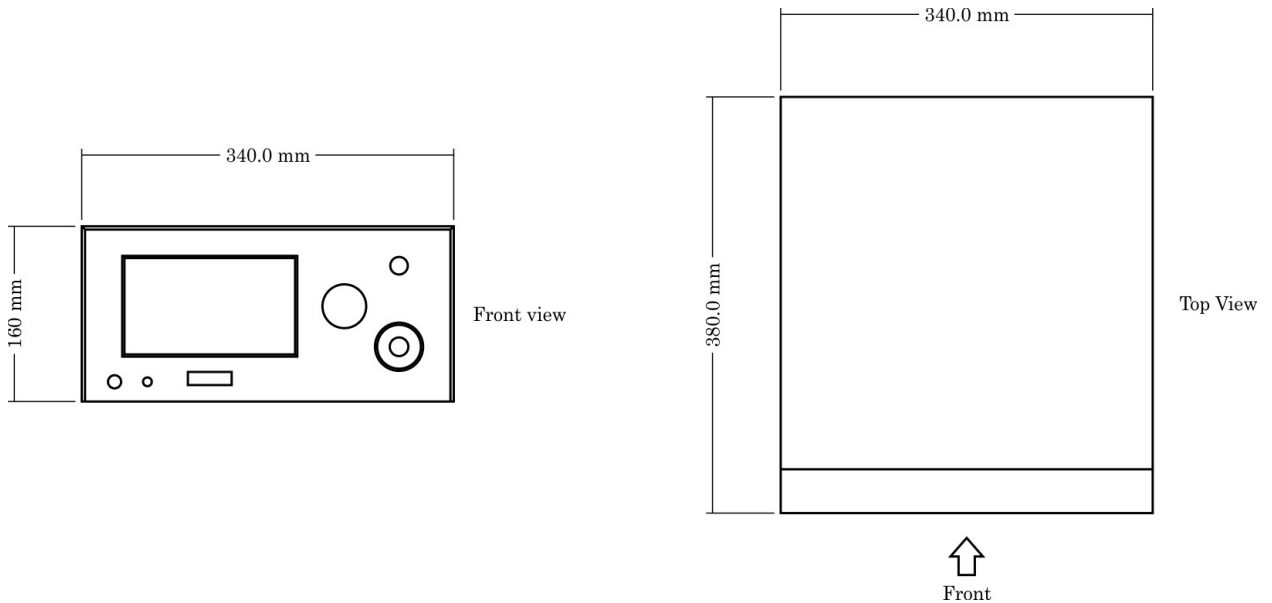
Adjustable spot spaces by users



# LS-3000

## Laser Consul Specification

Laser Types	Solid State Laser, Laser Diode
Wavelengths	Green : 532nm Yellow : 589nm or 577nm Red : 638nm
Laser Power	Green : 50mW to 1500mW or 2000mW Yellow : 50mW to 1000mW Red : 50mW to 1500mW
Aiming Bim	638nm or 670nm Red Laser Diode*
Laser Emission Interval	0.01sec to 1.00sec
Cooling System	Air-cooled
Power Supply	100V to 240V, 50Hz to 60Hz
Power Consumption	150W
Dimension	340(W)×160(H)×380(D)mm
Weight	9.8Kg max



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