

## Fractional CO2 Laser (RF)



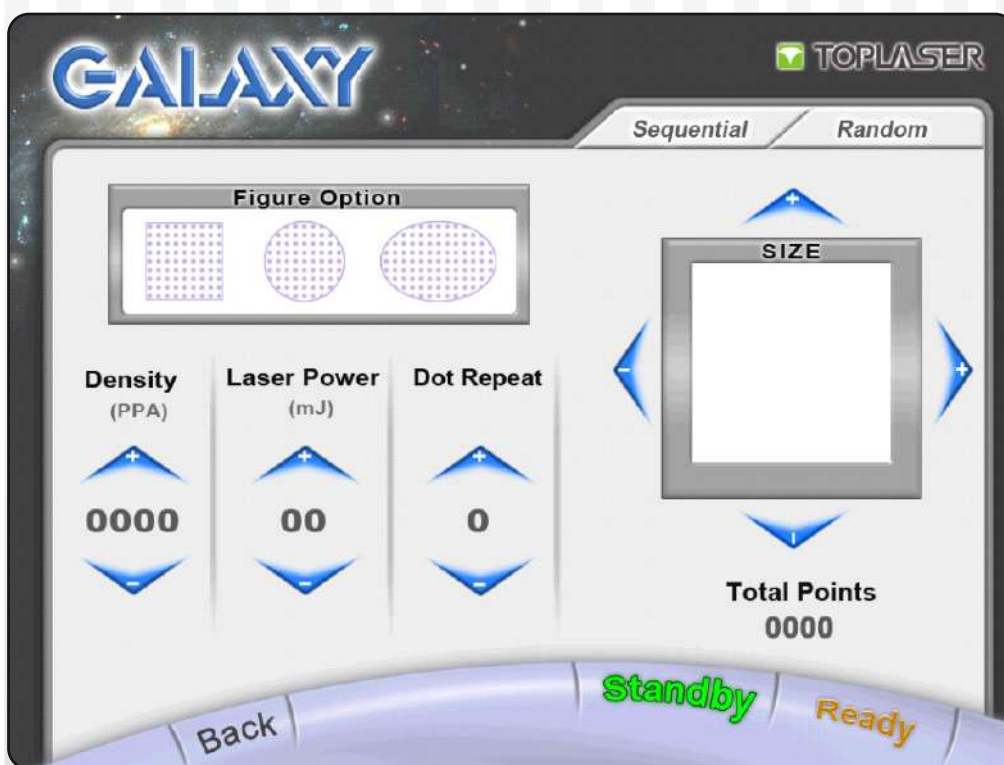
### Application:

1. Skin renewing and resurfacing
2. Wrinkle removal, skin tightening
3. Acne and acne scar removal
4. Smooth burnt scars and surgery scars, etc
5. Remove intractable chloasmas and pigmentation
6. Sun damage recovery.

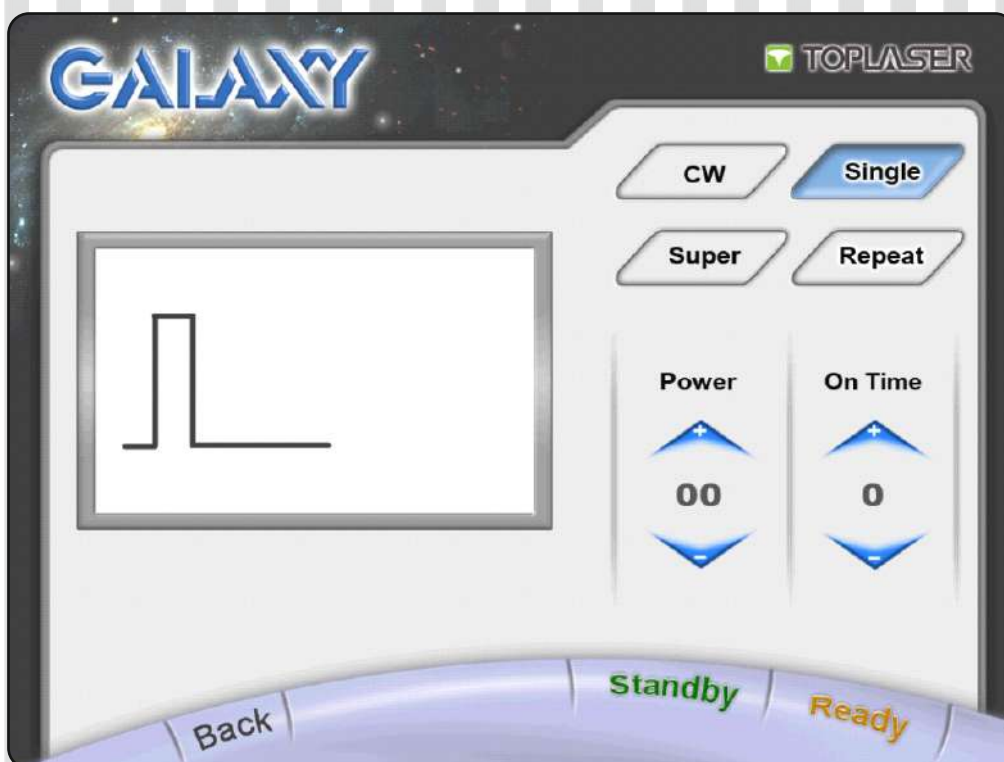
**FDA**

U.S. Department of Health and Human Services  
Food And Drug Administration

## Operation Interface



**Scan mode**



**Normal mode**

## Handpiece



## Comparison of CO2(RF) & CO2

	<b>CO2(RF)</b>	<b>Co2</b>
<b>Laser source</b>	RF CO2 Tube ( from U.S.A )	Co2 Tube
<b>Life time</b>	20,000 h	10,000 h
<b>Dot size</b>	0.1mm(Diameter)	0.2-0.3mm(Diameter)
<b>Cooling system</b>	Fan cooling	Fwater cooling

## Application:

- 1 . Particular designed intelligent laser control system ensures a precise treatment
2. RF-exited CO2 laser energy shooting is an even steady and safe treatment process.
3. Wide range application, effective treatment
4. Easy and fast treatment.
5. Large-sized colorful touch screen, with maniable handpiece.

## Specification

<b>General Specification</b>	Wavelength	10.6 $\mu$ m, far-infrared laser
	Aiming Beam	Less than 2mW, red semiconductor laser
<b>Scan Mode</b>	Laser Energy	5-45mj, step value 5mj
	Figure Option	1. Square or rectangle, min 3 $\times$ 3mm; max 20 $\times$ 20mm, step value 1mm. 2. Round, min 3mm (diameter), max 20mm (diameter), step value 1mm. 3. Ellipse, min 3 $\times$ 8mm, max, 15 $\times$ 20mm, step value 3mm.
	Energy Repeat	1-5 (When increasing energy repeat, laser energy is increased synchronously, max total energy 225mj.)
	Dot Density	36/49/64/100/144/225 dots in 1cm <sup>2</sup>
	Mode	Normal, scan sequentially line by line. Random, scan randomly, to decrease thermal accumulation. This function is not available for rectangle.
<b>Normal Mode</b>	Laser Energy	1-30W, step value 1W
	Ultra Pulse(Super)	1. Average power: 1w~30w; 2. Pulse frequency: 300Hz~950Hz optional
	Pulse	1. Average power: 1w~30w; 2. Pulse duration: 0.1s~1s optional
	Continuous Wave	1w~30w
	Repeat	1. Average power: 1w~30w; 2. Pulse duration: 0.1s~1s optional , off time : 1ms
<b>Dimension</b>	50cm $\times$ 60cm $\times$ 100cm	
<b>Weight</b>	50Kg	

