

CE
0476

MICROSYS

Fractional CO₂ Laser System


Rubbing Beam Mode Available

Technical Specifications

• Laser source

Laser Type	Sealed-off CO ₂ Laser
Wave length	10.6um
Mode Structure	TEM00
Laser Power	1~30W

• Function [Fractional mode/Random Rubbing mode/General mode]

Fractional mode / Random Rubbing mode	Energy per Dot	1~60mj
	Beam spot size	100μm
	Density level	5step (2~2500dots)
	Scan shape	Square, Circle, Triangle
	Scan area	2x2~20x20mm
	Scan patterns	1. Array 2. Grid 3. Random. 
	Overlap shot	1~5shot
	Repeat time	0, 0.5, 0.1, 1.5s, single
General mode	Operating Handpiece	50mm focal Scanner handpiece
	Output Mode	CW, Super pulse, Ultra pulse
	Pulse duration	100~3000μs
	Repeat time	1~1000ms, Single
Operating Handpiece	50mm&100mm focal handpiece	

• Guide Beam

Laser Type	Laser Diode
Wave Length	655nm
Step adjustable	Adjustable
Output Power	Less than 5mw

• General Features

Display	touch screen 8 Inches color LCD
Beam delivery	7 Joints Articulated Arm
Actuator	Covered foot switch
Electrical Requirements	220v-240vac single phase,50/60hz
Cooling System	Air cooling
Dimensions	400x390x1000mm
Weight	50kg
Display	touch screen 8 Inches color LCD



* Dual Beam Shape | * Three Function



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Fractional CO₂ Laser System

Fractional laser(MICROSYS)

Strong points for Fractional laser with RF excited tube

- Thermal damage on the skin can be considerably reduced by using ultra pulse laser beam.
- MICROSYS installed high quality Galvano motor for the fast , precise and safe treatment. Also the treatment method is very convenient because it can adjust beam density and size with easy.
- Unlikely existing other device , MICROSYS is added multiful function such as rubbing mode which other maximize the treatment result.
- Patients can do daily life very soon after treatment because downtime is very short.

Specifications for Fractional laser with RF excited tube

- MICROSYS is designed that maximum 2,500 dots can be radiated on 20mm × 20mm area of skin evenly.
- MICROSYS is designed to reduce PIH considerably by making laser beam penetrate into skin deeply because beam size can be radiated minutely with micro units.
- MICROSYS decrease patients' pain but increase effectiveness by using short pulse duration and high peak power.
- For operator, square and circle beam shape is added.
- Four different kinds of beam patterns (array, grid, random) makes all of treatment easily and perfectly.

Micro Thermal Hole Zone

