



Mona®

Q:switch Nd:yag Laser Skin care system

Mode No.:SQ-2

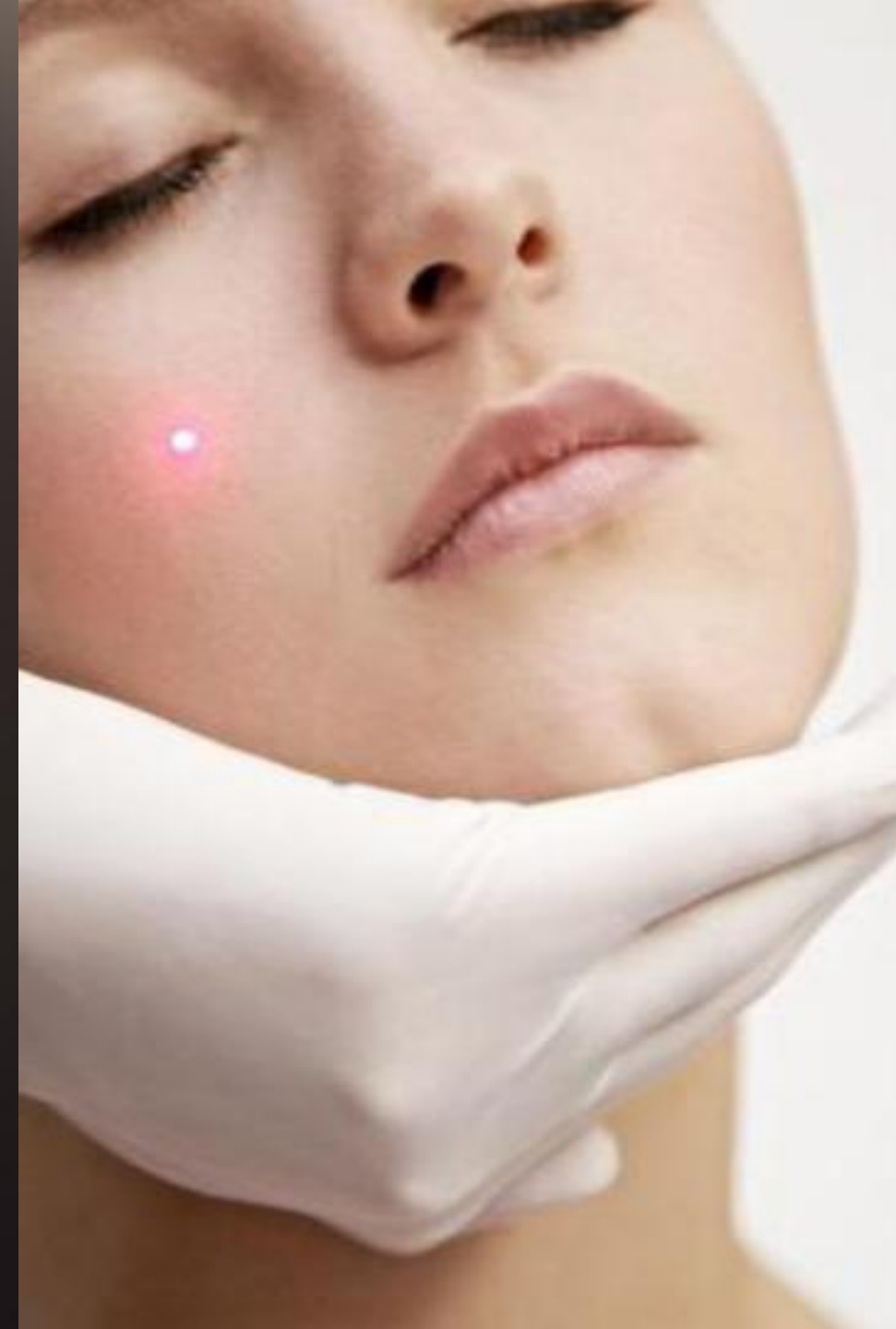
Therapy Principle

Therapy of epidermis and dermis pigmentation

Utilizing the explosive effect of the Nd: YAG laser, the laser permeate the epidermis into the dermis which includes amount of pigment mass. Since the laser pulses in nanosecond but with super high energy, the shot pigment mass swell quickly and breaks into small pieces, which will be eliminated through metabolic system.

Therapy of the dilatation of capillary vessel

Utilizing the heat effect of the Nd: Yag Laser, the laser is absorbed by the hemachrome in the capillary vessel, then the capillary vessel become blocked and disappear.



Indications

1

Dermis pigmentation: Birth mark, such as: Ota nevus, Ito nevus, black nevus
Pigment, such as: sun-burn spots, age spots, speckle, freckle, senior fleck

2

Man made pigment: Blue, black, red, brown tattoo, lips line, eyebrow line

3

Epidermis pigmentation, Speckles: such as freckle, senior flecks, coffee spot.....

4

Vascular lentigines: vascular lesion, spider vessel, spider veins

5

Skin rejuvenation with laser peeling

Technical Specification

Laser source: Q-Switch ND: YAG solid-state laser

Wave length:	1064nm, 532nm
Output Energy:	Single pulse: 1064nm: 100-1500mj; 532nm:100-800mj
Energy density (max.):	Double pulse: 1064nm: 100-2500mj; 532nm:100-1200mj
Pulse duration:	1064nm: 15.0J/cm2; 532nm:8j/cm2
Repetition Rate:	6ns
Spot Size:	1-10hz adjustable
Light guide beam:	φ2-10mm adjustable
Cooling System:	650nm red laser
Laser delivery:	Closed Cycle Water to Air Heat Exchanger
Controlling system:	Korea 7 jointed articulated arm
Power requirement:	10.4inch TFT color touch screen
Machine dimensions:	220V,10A,50/60Hz; 110v,10A, 50/60Hz
Net weight:	680mm×400mm×820mm
Note:	75kg
	Technical data changed will not inform specially

Technical Specification 2

System type	Nd: yag		Dye Impregnated Polymers	
Pulse width	1064nm	532nm	585nm	650nm
Maximum Fluence Per Spot size				
10	1.3j/cm2	0.65j/cm2		
9	1.6j/cm2	0.8j/cm2		
8	2.0J/cm2	1.0j/cm2		
7	2.6J/cm2	1.3j/cm2		
6	3.5J/cm2	1.75j/cm2		
5	5.0J/cm2	2.5j/cm2		
4	8.0J/cm2	4.0j/cm2		
3	14.0J/cm2	7.0j/cm2		
2	32.0J/cm2	16j/cm2	11j/cm2	8j/cm2
Rep Rate	1-10hz	1-10hz	1hz	1hz

Compare with Synosure Medlite C6

SYNOSURE ConBio

Medlite® C6

System Type	Nd:YAG		Dye Impregnated Polymers		532 Lite
Wavelength	1064 nm	532 nm	585 nm*	650 nm*	532 nm*
Pulse Width	5–20 nsec		<7 nsec		5–20 nsec
Maximum Fluence Per Spot Size					
8 mm	2.0 J/cm ²	—	—	—	—
6 mm	3.5 J/cm ²	1.4 J/cm ²	—	—	—
4 mm	8.0 J/cm ²	3.2 J/cm ²	—	—	—
3 mm	14 J/cm ²	5.6 J/cm ²	—	—	1.1 J/cm ²
2 mm	—	12 J/cm ²	8.0 J/cm ²	5.1 J/cm ²	2.4 J/cm ²
	—	—	6.0 J/cm ²	3.8 J/cm ²	—
	—	—	4.0 J/cm ²	2.5 J/cm ²	—
	—	—	2.0 J/cm ²	1.3 J/cm ²	—
Maximum Rep Rate	10 Hz		2 Hz	1 Hz	10 Hz
Aiming Beam	red, variable intensity				
Electrical Requirements	220 V, Single Phase, 9 Ampor 110 V, 15 Amps				
Size (H x W x D)	44.5" x 12" x 28.5" (113 cm x 30.5 cm x 72.5 cm)				
Weight	128 lbs (58 kg)				

* Optional Handpieces

System advantages



7 jointed arm delivery system, make it easy for longtime treatment.



Red diode laser beam point, find the right treatment area exactly.



Motor driven auto-switching with 1064/ 532nm wavelength change.



Spot size can be adjusted through focus adjustment lens



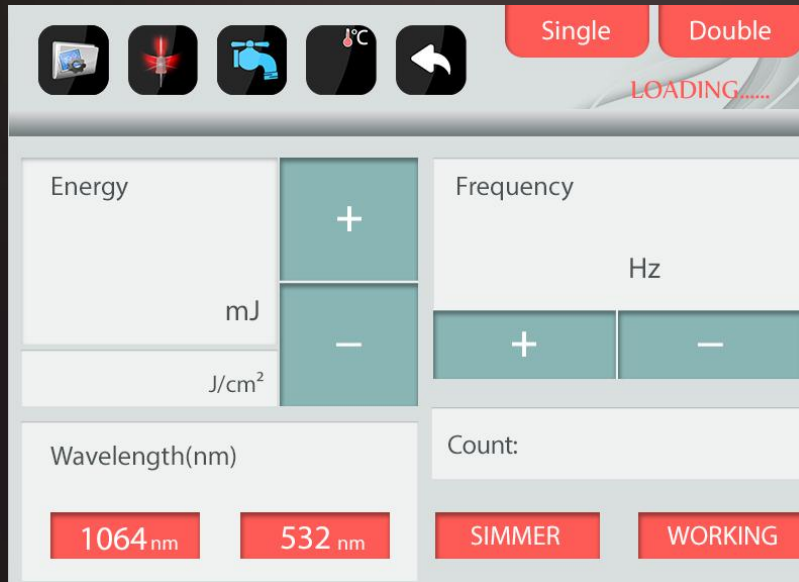
High power built in water cooling system make the machine can be continually use.



Operation and parameter adjustment with 10.4 inch color TFT touch screen.



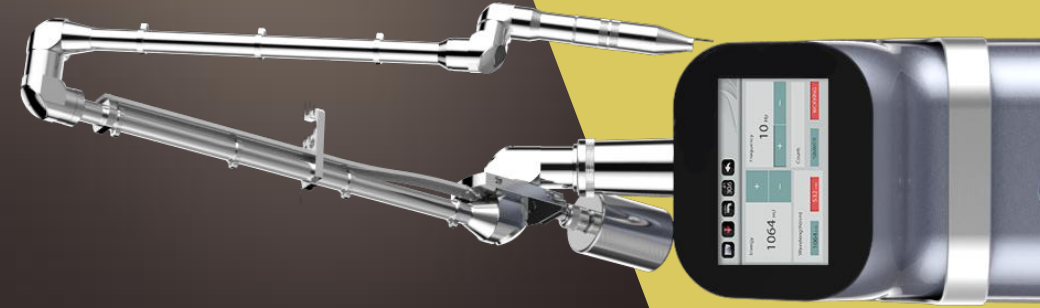
intelligent Interface



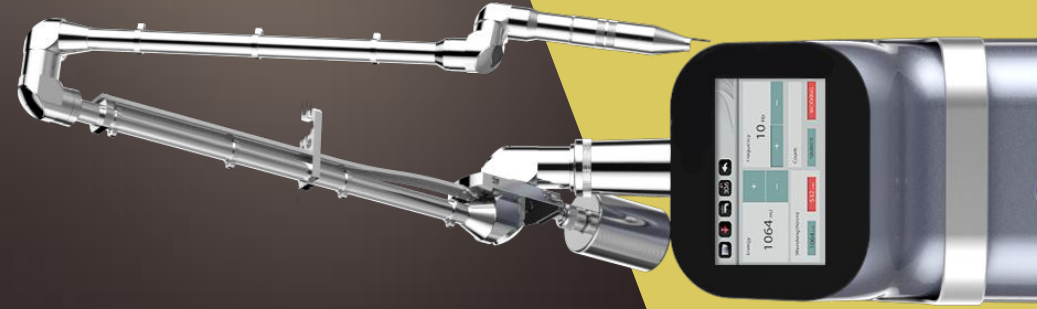
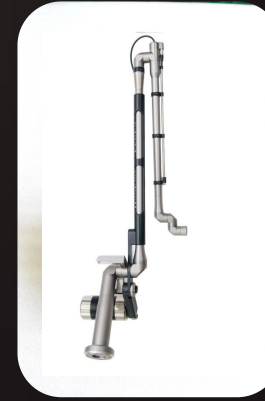
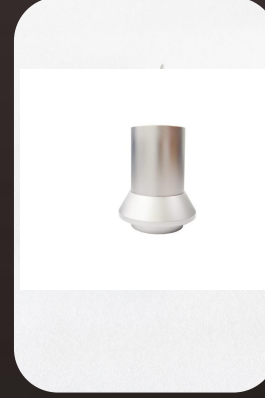
Language Mode



Double Pulse
Mode



Accessories List



About Treatment

- 1 No harm to the hair follicle and normal skin, leaving no scar.
- 2 Short treating time and easy operation
- 3 High quality controlled solid-state laser complying with international standard.
- 4 Tiny sense of pain, Anesthesia is unnecessary in most cases
- 5 No downtime and interruption of routine activities, no side effect.

Contra-indications

- 1 The special pigments may fall off and the common pigments precipitate since the vaporization of skin and death of cuticle.
- 2 There may be swelling or blood clot under skin, but it will recover in 20 to 60 days, varied with individual's skin property. Low energy density (small spot) shall be used in the treatment of the brown or red pigment with 532nm wavelength laser. Repeating operation several times if necessary but at least with 2 months interval.
- 3 Before starting the treatment, explain to clients the possible side effect. In some cases the paint of pigment contains iron ion, which will cause the paint oxidized and make the treatment failure.
- 4 No washing with water and sunburn after the treatment against infection and pigment precipitation.

Before & After

