

1064nm / 532nm Q-Switched Nd:YAG Laser

LUCID QY

“Realization of ideal technology every dermatologist desires”

- Feedback system
- Quasi-Long mode
- Auto-adjustable spot size
- 10.4 inch touch display
- Unique Jog & Shuttle Controller



1064nm / 532nm Q-Switched Nd:YAG Laser

LUCID QY

Lucid Q-switched Nd:YAG laser utilizing two wavelength both of 1064nm and 532nm with extremely short pulse during sustained period can be used in wide variety of applications with high efficiency as it is a highly effectual cure in Pigment Lesions on epidermis and dermis. In addition, an outstanding advantage of irradiated Lucid Q-switched Nd:YAG laser is that laser is selectively absorbed only into the melanin pigment without injuring adjacent tissues.

Mass Storage Space

Fast and accurate treatments tailored for each patient are applicable by saving the diverse lesions of patients at total 900 secured slots with one hundred storage slots respectively for each of 9 built-in lesions.

High Pulse frequency

With fast irradiation speed of 20Hz, it minimizes skin exposure to the laser for less damage of normal tissues with shortened time of treatment.

Feedback system

Surgery operation for the safety of patient is guaranteed with the Automatic Adjustment function allowing the energy output value to stay within the set up value to surgeon by measuring and adjusting the laser energy output on a real time basis for the first time in the world, and displaying the WARNING MESSAGE on the monitor when there is any difference between the input and output values.

Quasi-Long mode

Quasi-Long Pulse (pulse width 300 μ s @ 1064nm) is a combination of toning and lifting which enables pigmented cells to absorb the laser selectively. It stimulates collagen by the destruction of pigmented cells, and it is useful to general skin for regenerating after peeling, improving loose skin, and minimizing large pores.



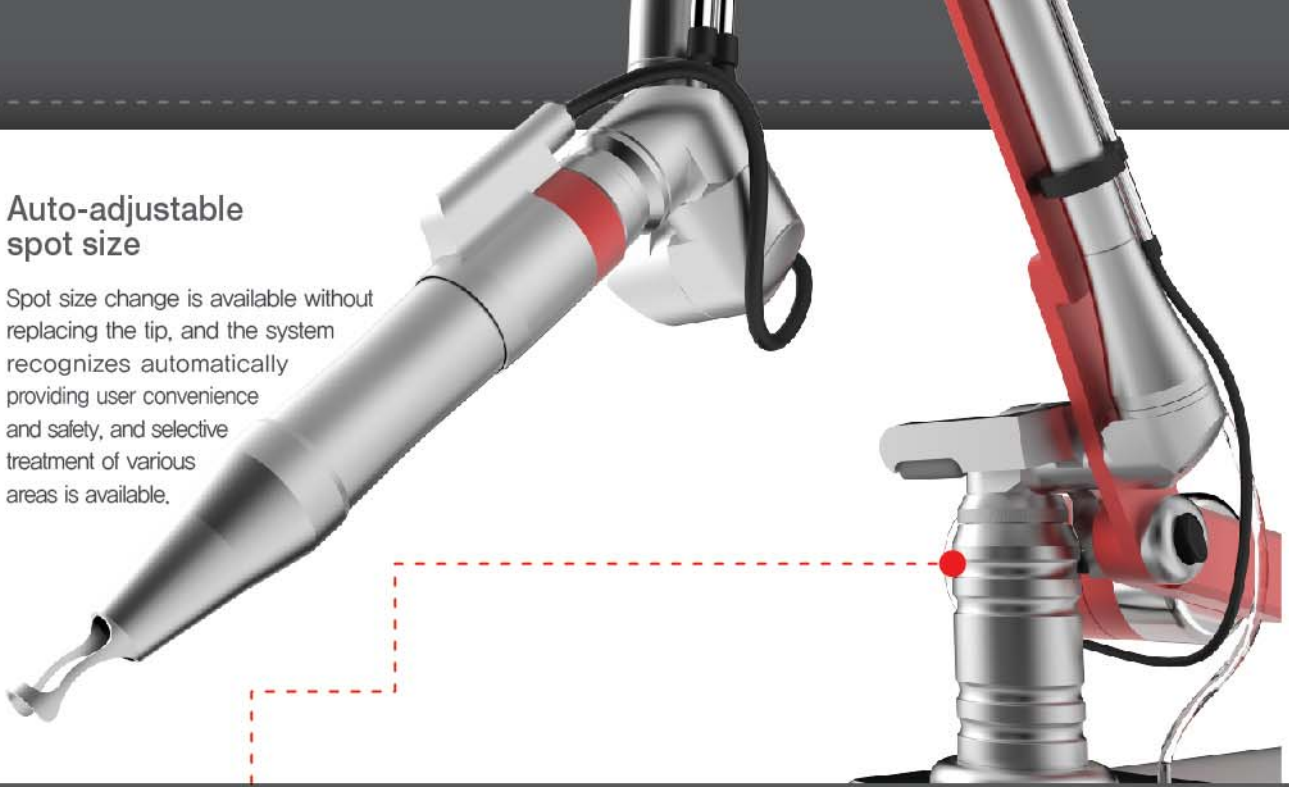
10.4" inch Touch Display



System can be controlled using 10.4 inch touch display with excellent visibility and operability.

Auto-adjustable spot size

Spot size change is available without replacing the tip, and the system recognizes automatically providing user convenience and safety, and selective treatment of various areas is available.



Advanced arm

Stable Power supply system

TOP hat mode

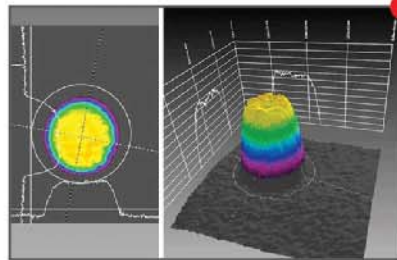
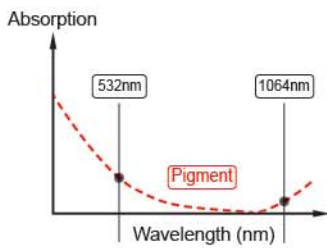
Unique Jog & Shuttle Controller

Arm adjustment by user's characteristic is available due to the use of robust high-class components, and it is more shock-resistant than existing products with advanced design.

You can use it stably without change of energy even at longtime treatment since stable large output of power is used.

TOP hat mode is an unique high-technology which makes the laser not only irradiates energy equally but also reduces side effects such as PIH.

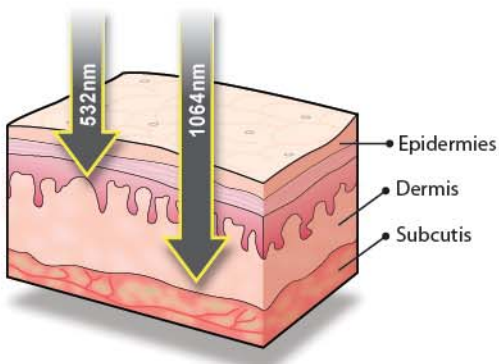
Easy and fast system control without touching display is available with the adoption of unique jog & shuttle controller design.



TOP hat mode



Unique Jog & Shuttle Controller



Laser with 532nm wavelength having shallow penetrating depth destroys the pigments on epidermis such as freckles, lentigos and age spots mostly, while the laser with 1064nm wavelength cures responding to the pigments located deep inside of dermis such as the tattoo and nevus of ota.

Pigmented lesion

Freckle / Speckle / Blemish / Cafe au lait spot / Becker's nevus / Nevus of ota / Abnom / Tattoo remova / Melasma / Hyperpigmentation

Etc. Skin rejuvenation / Shrink pores

System Specifications

General

Dimension (w x d x h)	320 x 830 x 845 (mm) (Include Arm h : 1605 mm)
Weight	78.5 Kg
Weight including accessories	88 Kg
Main voltage	220/230V, 50/60Hz
Maximum power consumption	2500 VA
Main current	12 A
Safety class	Class IV laser

Laser system

Laser type	Q-Switched Nd:YAG
Wavelength	1064nm / 532nm
Beam delivery system	Via 7-articulated arm
Aiming beam	650nm, 5mW
Beam profile	Top Hat Mode
Maximum pulse energy	1600mJ @ 1064nm Quasi-Long
Maximum pulse energy	1400mJ @ 1064nm Q-Switched
Maximum pulse energy	600mJ @ 532nm Q-Switched
pulse width	~8ns @ 1064nm, ~7ns @ 532nm
Maximum pulse frequency	15Hz
Minumum pulse frequency	0.4Hz
Laser cooling	Water-to-air heat exchanger
Spot size	$\phi 2 \sim \phi 10$ (mm)

Environmental Condition

Temperature	+10 ~ +40 °C
Relative humidity	30 ~ 75 %
Atmospheric pressure	700 ~1060 hPa

BISON
MEDICAL EQUIPMENT MANUFACTURER

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