

DIODE LASER DL-808nm

A diode laser uses semiconductor technology that produces coherent projection of light in the visible to infrared range. It uses a light beam with a narrow spectrum to target specific chromophores in the skin. Compared to other laser systems such as the Ruby and Alexandrite, the 808nm diode laser wavelength offers the deepest penetration levels and superior melanin absorption. These unique characteristics make the diode laser the most suitable technology for laser hair removal, enabling safe and effective treatment of all skin and hair types, in all body areas.

Diode lasers use the principle of selective photothermolysis (abbreviated SPTL) to target specific chromophores in the skin, usually melanin or blood. The lasers damage the chromophores by selectively heating them while leaving surrounding tissue unharmed. When treating unwanted hair, for example, the melanin in the hair follicles is targeted and damaged which results in the disruption of hair growth and regeneration. A diode laser can be complemented by cooling technology, or other pain reducing methods which improve treatment efficacy and patient comfort.



Specifications

- **Make & Model:** C Cube, DL-808nm
- **Laser Type :** diode laser
- **Laser wavelength :** 808nm
- **Language :** 8 languages built in the system
- **Display :** 10.4 inch color touch LCD screen
- **Spot Size :** 12x12 mm²
- **Pulse width :** 10-400ms adjustable
- **Energy :** 10-200J/ cm²
- **Frequency :** 1-10Hz (continuous mode)
- **Cooling :** water + air + semiconductor
- **Temperature of Probe :** 0~4°C
- **Handpiece Cooling System :** Sapphire TEC cooling+water cooling+Real-time monitoring
- **Water System Cooling :** German high power condenser module+Fan cooling+Real-time monitoring
- **Water System Protection :** Italian water pump, water flow, water level, water temperature etc.
- **Continuous Operation time :** 24 hours
- **Laser bars :** Germany imported 10 bars
- **Power :** 200W
- **Size :** 36x30x42cm
- **Voltage :** AC220V±22V, 50/60Hz, 10A
- **Weight :** 50KG

NOTE : DUE TO OUR CONTINUOUS R & D PROGRAM SPECIFICATIONS AND DESIGN MAY CHANGE WITHOUT PRIOR NOTICE.



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