

The Diode Laser System of Hair Removal

AGS-Medical

Phone: +1-505-550-6501

Fax: +1-505-814-5778

Email: sales@agsmedical.com

Web: <http://www.agsmedical.com>



What is the diode laser system of hair removal?

The diode laser is an extremely proficient machine made up of tiny diodes or semiconductors. DL 20 is a clinically proven, progressively permanent hair removal system from which a high-power laser beam is sent deep into the skin, where hair growth starts. The photon energy (laser radiation) vaporizes and destroys the hair follicle in a fraction of a second for a lifelong solution to embarrassing unwanted hair growth of the face and body.

The diode laser has a longer wavelength than the Alexandrite and Ruby lasers. (Ruby laser is a red-colored beam of light used to strike the dark melanin, which is a biological pigment, present in the hair follicles.) Hence, diode is able to penetrate deeper into the skin, allowing treatment on dark-skinned people, unlike the other two lasers.

The advantage

Wavelength :the wavelength is 808nm, has the potential to provide better results to those people with black and brown hair.

Deeper: The longer wavelength provides deeper and safer penetration into the skin.

Extremely localized treatments: No duplicative treatments and injuring skin.

Safer: When power is on, even if operated wrongly, it does not hurt body.

Convenient to carry: Small in size

No Training Required: Easy to use, even for starters.

Optical source: diode lasers. It can shave the skin while simultaneously treating the follicle below, whereas Pulsed Light does not vaporize growth outside of the follicle shaft.

No pain: It generally feels like a mild 'pinch' which lasts only a short time. For persons with a high degree of sensitivity to the treatment, adjustments can be made to the machine which will reduce this sensation as well as pre-treating with a numbing spray or ice pack.

Laser Hair Removal



How many treatments will it take?

Many unwanted hair follicles will not survive the first session, however, most will require four to six treatments. Stubborn hair growth (such as a man's beard) will need 8 or more applications over 90 days to achieve progressive permanency.

| Specifications |
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| Wave Length: 808nm |
| Output to Tissue: =2w in step of 0.1w |
| High Density of Power (40J/cm2) |
| Spot Size: 3.0mm |
| Repetition Rate: 1-12Hz |
| Duty cycle: 1:1 |
| Max Single Pulse Power: 0.75J |
| The Aiming Beam: 650nm diode Laser |
| Power of Aiming Beam: 1mw |
| Mode of Control: CPU Program |
| Mode of Display: LED digital display |
| Transmission : Optical fiber |
| Input Power: AC 110V/220V;50/60Hz |
| Material of Housing & Hand piece: ABS |