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350 W Portable 810nm Diode Laser for Hair Removal HF-109



****Unique Advantages**

1. Germany**** III laser emitter;
2. Contacting surface cooling technology applied on the SapphireDual-Chill tip;
3. Can shoot at least **10 million** times, offer 10 million times warranty & lifetime Maintenance;
4. Double pulse for professional treatment;
5. 10Hz frequency and big spot for fast and large size treatment;
6. Good cooling system to avoid laser device and laser crystal been burned;
7. Professional and Intelligent operation system, parameters can be saved;

***Applications**

1. Permanent Hair Reduction on all type hair and all skin types, including tanned skin. Pain-Free, Hair-Free - Comfortable treatment experience.
2. Skin rejuvenation for patient whose skin type are I , II, III, IV, V

***Details :**

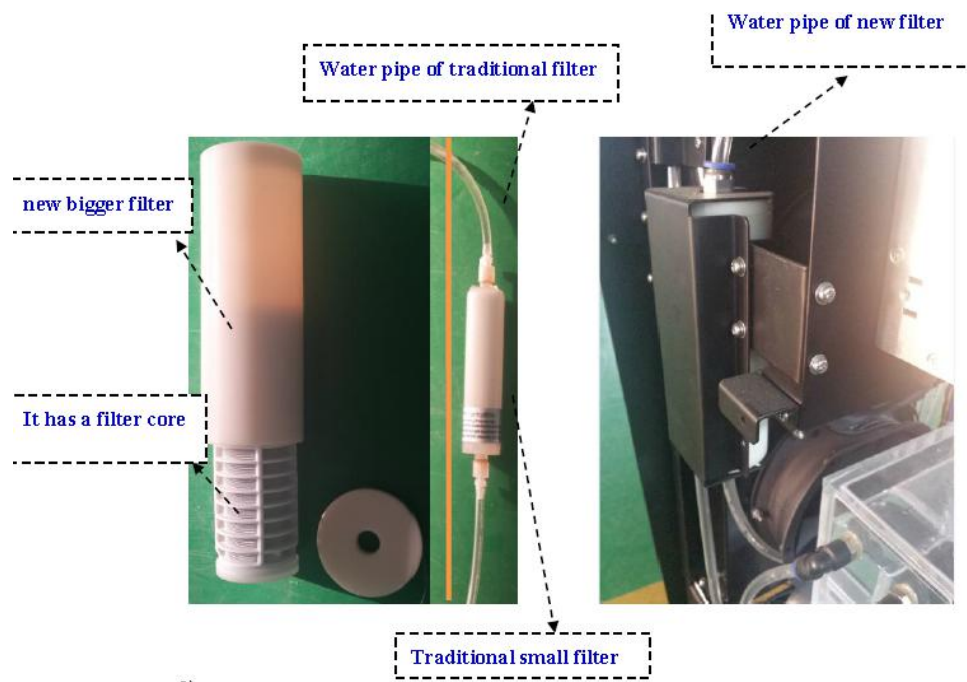
Intuitive and user friendly operation interface:

Two operation modes are available, Fast mode provided intuitive operation interface to basic users and large size hair removal . Normal mode is specially designed for professionals and small size accurate hair removal; it can adjust the energy, pulse width , frequency, cooling level accordingly .



Latest filter and power water cooling system:

bigger filter ,so machine have better water cooling system and much better heat emission ,to solved the problem of laser device & laser crystal be burned .



Modularized design for easy maintaining :

Advanced modularized design structure is applied ,which not only assures technical support to machine working but also provides simple and convenient maintenance .

Application:

Hair removal for all kinds of skin and hair type.



Before

After



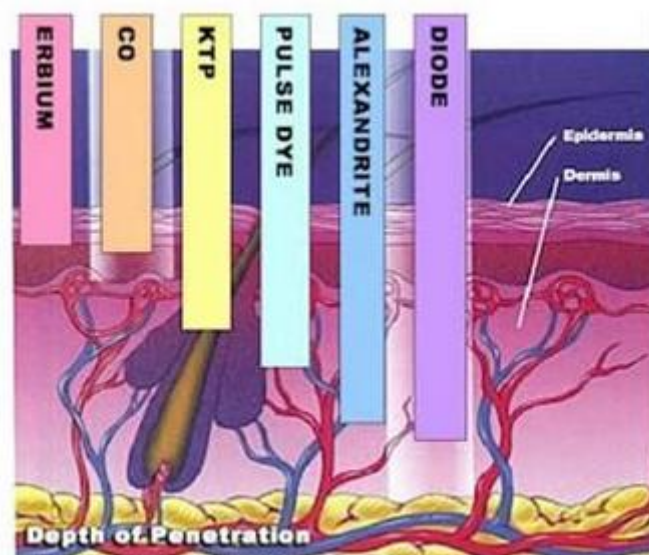
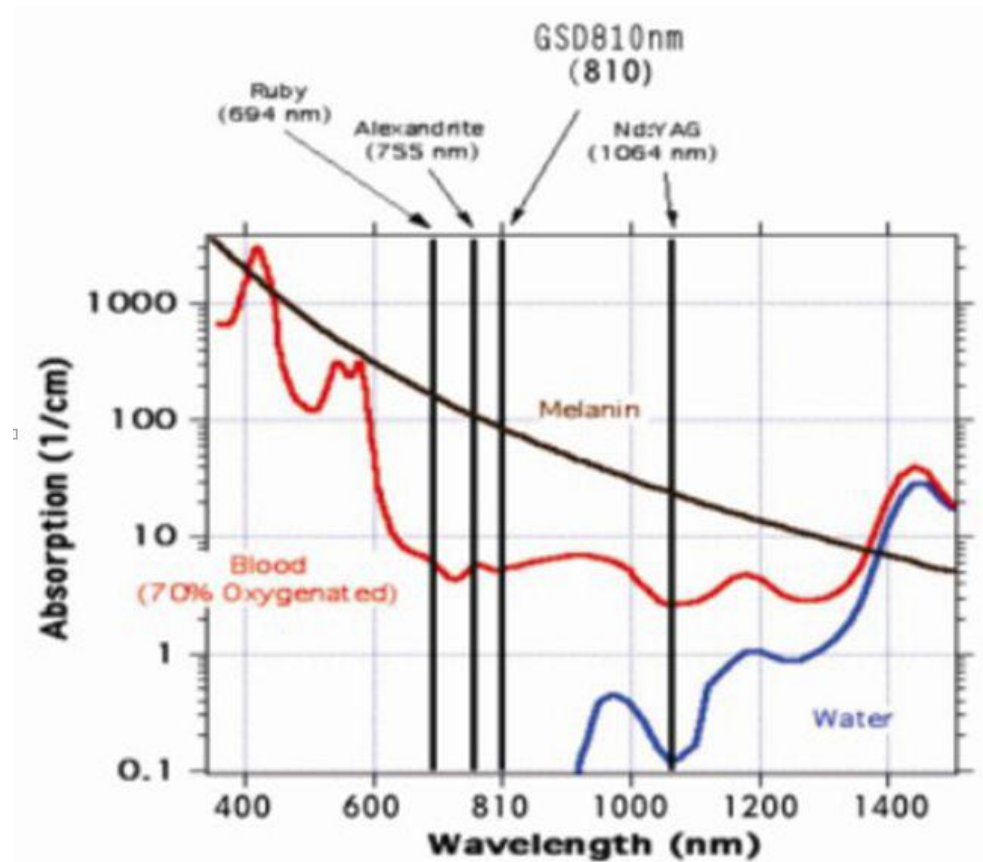
Before

After

***Technical specifications:**

Model:	HF-350
Laser type:	Diode Laser
Wavelength:	810nm
Spot size:	9*11mm
Laser Output Power:	350W
Control mode:	8 Inch color touch screen
Cooling Method:	air + water+ semiconductor
Input power:	660W(AC220V/10A, AC110V/20A)
Fast mode:	
Energy density:	5~10J/cm ²
Repetition rate:	10Hz
Hair type:	Hair texture (dense, Curls, fine)
Cooling :	Sapphire contact cooling
Standard mode:	
Energy density:	5~76J/cm ²
Repetition rate:	1~10Hz
Pulse width:	50~350ms
Cooling:	Sapphire contact cooling
Dimension:	61*50*48cm
Weight:	21kg

*The chart of different laser for hair removal



From the chart ,we see the 810nm wavelength can absorb the melanin very good, minimize the hemoglobin and water 's absorption to laser .

***The comparison of all kinds of hair removal laser**

Technical	IPL	Nd:YAG laser	Diode laser
Wavelength	560~1200nm	1064nm	810nm
Treatment times	6~10 times	6~10 times	3~6 times
Technical description	Big spot size , Sapphire Contact cooling	Small spot size , absorb ability is little , cooling effect is bad	Sapphire Contact cooling

Treatment effect	wavelength range is wide , so it will be absolved by many epidermis tissue, the energy for target tissue will be less,the result won't be very good .	absorption of melanin is low , the energy to damage the target tissue is 2 ~ 3 times than diode laser's , it has a deeper penetration, greater injury to normal skin, the treatment is painful	Contact cooling, feel more comfortable; absorption ability and penetration depth at the best condition, hair removal treatment effect is good
Side effect	Side effect is low	Erythema,inflammation, painful	Side effect is low

