

# ADELA 810 ICE

IRONING ICE & HYBRID DIODE LASER

The Device That Combines  
The Best DIODE LASER TECHNOLOGIES In The World.  
**ADELA 810 IRONING DIODE LASER**  
"900W ICE HANDLE"



German **DILAS** Laser Handle

American **3M** Filter System

American  **aquatec** Pump Cooling System

German **ebmpapst** Fan Cooling System

# ADELA 810 ICE

## IRONING ICE & HYBRID DIODE LASER

**CROSS ADELA 810 ICE HANDLE 900W**  
Ironing Diode Hair Removal Laser Handle



CROSS ADELA 810 Ironing Diode Hair Removal Laser:  
**10.4" COLOR TOUCH SCREEN !**



CROSS ADELA 810 Ironing Diode Hair Removal Laser:  
**SUPERIOR GERMAN TECHNOLOGY!**



For handle; **10.000.000 shots warranty\*** in 2 years

### ADELA 810 ICE DIODE LASER HAIR REMOVAL DEVICE

ADELA 810 ICE, which is the latest technology of CROSS family, 900W Hybrid, complete steel handle cooling system has the feature of hair removal in the world. Therefore, the most difficult and lightest hairs also unrivaled and it gives less pain and have very effective results. ADELA 810 Diode Laser device means, high standards for hair removal.

ADELA 810 ICE device can provide effective hair removal at all kind type hairs at face, armpit, leg, arm, back and bikini area hairs which have pigments. It is not effective at white color hairs.

With its longterm laser shots (20ms/1.200ms) it provides sufficient warming of the hair follicle. Thus lasting result is achieved.

ADELA ICE with its special handle and filter system can perfectly targets the 810nm depth and shoots. These light absorbed by melanin under the skin instantly transforms into another energy, heat energy. During this transforms, hair root effected by heat and burns. The hairs captured in the anagen (active) circuit at the target area are poured and the application results in a success of at least %80. That makes the system unbeatable. But the telegon(passive) roots can not effected by this application. Therefore treatments must repeat for catching also these follicles in the anagen circuit.

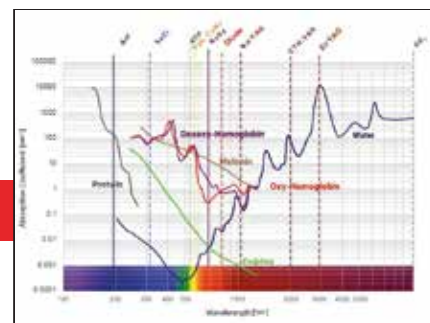
### ADVANTAGES OF ADELA 810 ICE HANDLE DIODE EPILATION LASER

- The worlds best Diode Laser system; German Dilas handle used. Because each diode bar inside is 150Watt gives 2 times more energy to same area then other competitors. In handle there are 6 x 150W diode bars inside.
- Thanks to American Aquatec water pump, German Ebmpabst fan ssystem, special production cooling radiator and powerful partiel for giving us a safe and strong cooling system.
- Outstanding ice handle tecnology thanks to patented hybrid, complete steel handle.
- Conducts conductivity testing of the water by itself. It stops working before water becomes conductive and gives a warning so this prevents damage on the handle.
- It follows the rotation speed of the water. If there is any problem at rotation it stops working and warns. This prevents damage on the handle.
- Suiatble for use with two separate modes SHR (Ironing Hair Removal) and HR (Normal Hair Removal).
- Avable to use in 6 different languages including Turkish language.
- Provides a high level of safety and comfort with its very precise and fast touch screen and very high level operation menu.

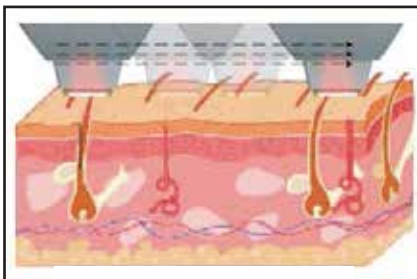
\*Handle warranty period is 2 years or 10.000.000 shots which finished first.

## ADELA 810 ICE DIODE LASER HAIR REMOVAL

ADELA 810nm diode Laser device means high standart for hair removal treatments. 810nm wavelength light absorbed by melanin pigment, at the same time it perfectly reduced by water and hemoglobin (blood proteins). Application is reliable for epidermis tissue.



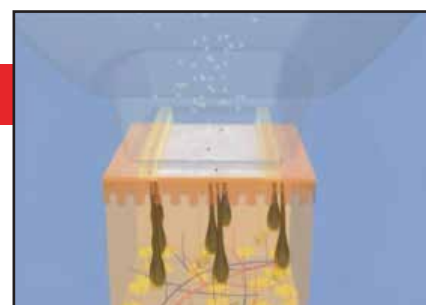
## WHAT IS "JET SMOOTH" ?



The constant and high energy of the Jet Smooth, ADELA 810 ICE diode laser handle, heats the hair by taking 10 shots in 1 sec. and deeply influencing the dermis. Super mode provides a more efficient results by heating the hair root painless and quickly with low energy instead of breaking the hair root in a short time.

## ICE HANDLE SYSTEM

Sapphire glass and patented Hybrid, complete steel handle system provide maximum comfort and safety for best results in hair removal by cooling the skin surface. Minimal temperature in skin tissue occurs when maximum energy is targeted at the hair root. Hybrid and Sapphire cooler handle system automatically starts to work when energy loaded to ADELA 810 ICE.



## EFFECTS ON THE SKIN BY ADELA 810 ICE DIODE LASER

Melanin in hair roots absorbs light and converts light energy to heat energy. The resulting heat damages the hair root and disappears with the hair follicle. The diode laser beam with a maximum frequency of 10Hz 810nm penetrates the epidermis towards the dermis and its photothermal efficacy is absorbed by the hair and the melanin at the root, the energy emitted in the hair and hair root is converted into heat energy in the melanin and then this energy is cooled. This application will destroy the hair.

## WHAT IS THE DIFFERENCE OF THE ADELA 810nm DIODE LASER THEN OTHER LASERS?

In conventional laser methods, the laser suddenly increase heat to 65°C from the dermis to the epidermis in order to provide a quick effect on the hair follicle and destroy the hair follicle. "Jet Smooth" technology eliminates hair root with maximum 10Hz power by making low energy and repeated shots instead of abruptly removing hair root. The heat generated during the application is high enough to stop the hair root activity.

Table Comparing Hair Removal Methods:

Technology	IPL	Ruby Laser	Alexandrite Laser	Nd:YAG Laser	Diode Laser
Wavelength	550-1200 nm	694 nm	755 nm	1064 nm	810 nm
No of Applications	3-6 sessions	3-5 sessions	3-10 sessions	3-5 sessions	3-5 sessions
Problems can be happened during treatment	Low degree of skin burn	High degree of skin burn	High degree of skin burn	High degree of skin burn. Applied energy is 2-3 times more then 810 nm diode laser.	Low degree of skin burn
Side Effects	A little	Hypopigmentation, edama	Skin formation of %32, follicle inflammation, Hypopigmentation	Skin redness, edama and pain	A little
Results	More sessions are needed to achieve positive results.	A satisfactory results has not been obtained since it is effective only on superficial hair follicles.	Satisfied results taken at black hairs on white skins.	A satisfactory results has not been obtained since it is effective only on superficial hair follicles.	Satisfactory results were obtained for each color hairs except white on all kind skins.







## CLINICAL DATAS

In %95 of applications, %80 reduction of the hairs after 3-5 treatments has been clinically proven.

It is stated that the density of the hairs decreases and it grows more slowly %30-50 reduction in hair growth after 1-2 treatments at all patients.

Most clinical cases are also kept the energy density between  $10\text{j}/\text{cm}^2$  -  $20\text{j}/\text{cm}^2$  and low energy is enough to avoid potential risks.

## Before and after pictures of treatments

Armpit			Energy density: 10-15 Frequency: 4Hz No of sessions: 5 Total shot no in each session: 55-66
Leg			Energy density: 10-14 Frequency: 6Hz No of sessions: 3 Total shot no in each session: 87-110
Arm			Energy density: 20-22 Frequency: 1Hz No of sessions: 4 Total shot no in each session: 175-180
Neck			Energy density : 10-15 Frequency: 3Hz No of sessions: 4 Total shot no in each session: 70-80
Chest			Energy density: 15-16 Frequency: 3Hz No of sessions: 4 Total shot no in each session: 200-240

## PARAMETERS:

LASER TYPE	DIODE (CONTINUOUS WAVE)
POWER	3000W
WAVELENGTH	810 nm $\pm$ 5nm
APPLICATIONS	SHR (SUPER HAIR REMOVAL) HR (NORMAL HAIR REMOVAL)
ENERGY DENSITY	1 - 120J/cm <sup>2</sup> (HR MODE) Up to 25J/cm <sup>2</sup> (SHR MODE)
SPOT SIZE	21 x12 mm
SHOT LENGTH	20 ms - 1.200 ms
FREQUENCY REVIEW COOLING SYSTEM	Up to 10 Hz
CONTINUOUS WORKING TIME	DIRECT COOLING WITH SAPPHIRE TIP (-2 C -5 C)
SCREEN	12 HOURS
VOLTAGE	10.4" COLOR TOUCH SCREEN
LASER OUTPUT POWER	220V+10% 60HZ 10A
NET WEIGHT	900W (6 x 150W GERMAN DILAS)
	65 kgs

