

THE LATEST TECHNOLOGY AT IRONING DIODE LASER **FCD**

FIBER OPTIC IRONING DIODE LASER EPILATION!

- THE WORLD'S LIGHTEST HANDLE (3000g) (16000)
- ICE HANDLE
- TOTAL BODY IN 40 minutes
- average 60 million SHOTS, 20 million guarantee
- 1200 WATT

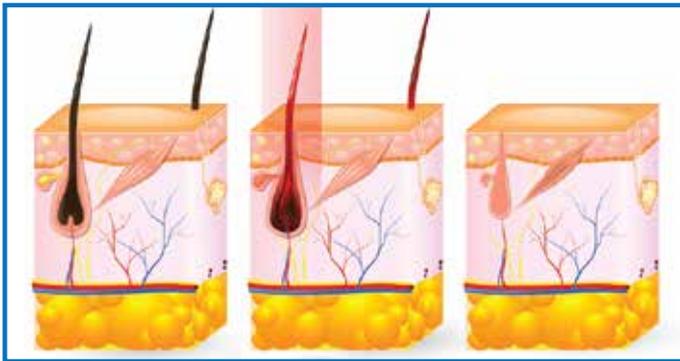


2 YEARS GUARANTEE

FDA
K142186/878.4810
17.04.2015

ADELA 810++^{1200W} FCD is the FIRST and ONLY "Ironing Diode Laser Epilation Device" in the world that work with Hybrid & Fiber Optic technology. The Diode bars are not used in this technologic handles like the old Ironing Diode Laser's one. Energy is generated by the generator inside the device and moves to the handle in optic system with zero loss. With this technology life span of the handle is extended by at least 4 times longer. In the prior technologies while the operating temperature is 25°-30°, this technology provides the comfort up possibility to work up to 45°. Handle weight is at least four times lighter. 24 hours non-stop operation is possible. More faster and safe working environment is provided. Because with this device energy given equal, the pain is minimum.

^{1200W} ADELA 810++ WORKING PRINCIPLES



1.

2.

3.

1. 810nm Laser Functions
2. The laser light absorbed by melanin accumulates in the hair follicle and becomes a high temperature.
3. Due to the heat, hair root burns and the hairs are poured. Treatment ends successfully.

^{1200W} ADELA 810++ AVANTAJLARI

1 WHAT IS FCD HYBRID & FIBER OPTICAL IRONING DIODE LASER?



ADELA 810++^{1200W} is the FIRST and ONLY Diode Laser epilation diode laser device in the world working with patented Hybrid & Fiber Optic Technology. Diode bars in the handle are used in the old technology with ironing diode laser devices are no more used in this technology. The energy of 1200W power in the device is produced by the advanced technology Diode Laser, manufactured in Germany, and carried to the handle with zero loss in the fiber optic system. Thanks to this technology, handle life time is 4 times longer. In the prior technologies while the operating temperature is 25°-30°, this technology provides the comfort up possibility to work up to 45°. It happens due to the circulation of the cooling water with macro channels, which is 40 times wider than micro channels. In this case, like as in the micro channels, the water circulation does not stop due to residues that occur in the water and the cooling always successfully continues. The

handle is at least 4 times lighter. 24 hours non-stop applications are possible faster and safer working environment. The energy is more equal with this device and the pain is minimum. Other diode laser systems consist of 4-11 diode bars. There are gaps between these bars, they work fine and vertically but after sometimes, there will be a problem about producing the same energy. While one will be producing 100W the other may produce 70W. Sometimes, even 1-2 of them is burnt out, it is not impossible to figure it out. When 500W energy is supposed to be produced, actually it might only produce 300W. Once you can not make a shot with an equal energy, the light usually distributes in a wavy, thin and long way. When using **ADELA 810++**^{1200W} FCD Patented Hybrid & Fiber Optic technology, you work with the most powerful energy in the world and the produced energy is carried to the handle with zero loss due to the fiber optic system. Thanks to this special technology, the constant energy is always distributes to the treatment area. Thus, equal and strong energy is reached everywhere. This brings together the best results, minimum pain, the coldest ice handle, the least device malfunction, the cheapest treatment maintenance coast and the highest customer satisfaction.

2 1200W FIBER LASER POWER



ADELA 810++^{1200W} is 3 times stronger than the devices in its class. One of the most important features of laser devices used at hair removal is the laser power of the handle. The laser power of the device is very important in order to heat the hair root quickly and effectively and to obtain permanent hair removal by breaking the hair root. Typically used ironing diode laser devices range are between 400-600W. But the new technology fiber optic ironing system provides unparalleled efficiency with 1200W of power.

3 EQUAL AND REGULAR ENERGY DISTRIBUTION



In this new system, energy produced in generator and reach the handle with 0% loss by the fiber cable. In this way, total of 1200W energy distributed with zero losses and equally applied to the treatment area. At old technologies, there are 5-10 bars in the handle and the energy used in these bars never evenly disposed of, due to the problems such as micro-channel problem and always creates losses.

4 ULTRA LIGHT HANDLE SYSTEM



ADELA 810^{1200W}++ is the only device that has the LIGHTEST "Hybrid & Fiber Optic Ironing Diode Laser" 1200W handle (300 gr.) At **ADELA 810^{1200W}++** device handle there is no diode laser bars. Energy produced in the Diode Laser generator and reach to the handle via fiber optic system. That's why the handle is more lighter and efficient then the other technologies. You will live in practice sessions with this comfort and see the difference !!!

5 TECHNOLOGY THAT CAN SHOOT MOST HAIR REMOVAL AREAS IN THE WORLD



ADELA 810^{1200W}++ is using FIRST and NEWEST "Hybrid & Fiber Optic" technology at worldwide In this system there are no diode bars inside the handle. Energy produced in the Diode Laser generator and reach to the handle via fiber optic system In this way, life span of the handle is extended by at least 4 times more. (More then 60.000.000 total shots/ At least 25.000.000 guarenteed shots) The most important thing during calculating the numbers of shots is, with zero loss, for each zone you can apply maximum 2-4 times. But other diode lasers required that 8 times, so the guarantee of this device should not calculated like others.

In summary, the whole body treatment can be performed between 10.000-12.000 shots within 40 minutes with this technology, while in other diode lasers this number ranges from 40.000-50.000 shots and from 1-1,5 hours and operating temperature of the room is 25° - 30°. But this new technology provides up to 45°. Weight of the handle is also at least 3 times lighter than other models. (300 gr)

6 COMPLETE BODY HAIR REMOVAL TREATMENT IN 40 MINUTES



ADELA 810^{1200W}++ is the device with the highest laser power in the world. Due to the fiber optic technology it transmits the laser beam with 1200W power to the handle with equally and zero energy loss. If you need to pass 8-10 times with old technologies, it is enough to pass only 2 times in the same area with the **ADELA 810^{1200W}++** handle. So you can complete a whole body pilation session in a short time like 40 minutes. It is the fastest technology in the world !!!

7 10 Hz SHOTS PER SECOND WITH JET SMOOTH IRONING TECHNOLOGY



Thanks to **ADELA 810^{1200W}++**, Jet Smooth ironing technology, instead of giving the total energy at once in 1 second, it can give the total necessary energy in 1 second by dividing it to 2-10 equal energies. These intermittent energies within 1 seconds accumulate in the hair follicle and forming the total energy it should have. Thanks to this, the pain is reduced to a minimum. This technology rescues you from pain and allows you to do rapid ironing hair removal treatments.

8 ICE HANDLE



Thanks to this technology, the sapphire part of the application handle is cooled to 5°/-5° degrees. During application, the handle cools the skin and the pain is reduced. The risk of burning is minimum.

9 810nm WAVELENGTH



The most part of the hair removal treatments, which should be certainly paid attention to, is the 810nm wavelength. In this case, the energy and hemoglobin absorbed by the water, is kept at a minimum level, enabling the energy required for the hair root to be reached.

10 HYBRID HANDLE TECHNOLOGY



There are many important criteria of the device, that the user can be pleased with to leave an impression of it as "a very efficient device". The first one is the end result it brings and the second one is the special head features. The lifetime period of the head is long, it is light, has the "ice-head" feature, which relieves the customer during application and stays permanent cool during epilation...

11 WHAT IS THE COAST OF THE ONE TREATMENT FOR COMPLETE BODY?



Generally, any of Diode Laser device manufacturers give an exact answer to this question. They always mention the total number of shots or the number of guaranteed shots. This is absolutely wrong. For example, in **ADELA 810++**^{1200W} Fiber Optic technology, 1200W energy is used with zero loss, so it would be enough to pass twice in the same area. This means an average of 10.000 to 11.000 shots for complex body epilation. However, in other technology, Micro Channel Diode Laser devices, Soprano, Clear Light, Sense, Cheveux, Vikini, etc., you have to pass 6-10 times in the same area. That means 40.000-60.000 shots. According to this data, it is efficient that you count the number of sessions you have made, not the number of shots your device has made **ADELA 810++**^{1200W} guarantees 20.000.000 shots; This is the guarantee of 2.000 Total Body Sessions when we use 10.000 shots for each. Please refer to the above calculation when comparing all devices to get the guaranteed number of shots and total shots. It is the cheapest technology in the world

12 STOP THE MAINTENCE AND FILTER PROBLEMS



The other diode laser devices have the "bar technology" in the handles. These devices manufactured with 0.2 mm micro channels for the water system. The water you use should have a very good quality and should be especially pure. It is necessary to change this pure water very often and make constant maintenance. The core issue of this maintenance is the frequent change of the filters. If you do not conduct these maintenance well or if you do not change the filter, the most expensive piece of the device will make a breakdown. The energy used in the **ADELA 810++**^{1200W} technology is produced in the Diode Laser Generator located inside the device, not in the bars, therefore, the cooling channels used in the thread has size of 8 mm. (40 times thicker in comparison to the old system) Thanks to this technology, any of the problems mentioned above are to occur. Even you may use good water instead of pure water, it is not efficient. This explains that the **ADELA 810++**^{1200W} device has a true Ice Handle feature and that the handle remains cold during all the period of applications.

13 10.4" LCD INTELLIGENT TOUCH SCREEN



ADELA 810^{1200W}++ parameters are pre-set according to the application zone. With these parameters, it is possible to operate easily with 10.4" LCD Smart Touch Screen.

14 CE CERTIFICATE



As you know, all devices are known to have a CE certificate. However, there is a very important issue that one need to known in this regard. CE declaration; The manufacturer or vendor declares and signs that the device conforms to CE standards. Afterwards, they send it to you. However, when signing it, it is necessary to obtain the LVD and EMC test report from CE certificated from Europe. They usually do not send these reports to you for they usually give you these declarations without these reports. However, **ADELA 810^{1200W}++** have all these reports available together with device.

15 FDA APPROVAL



As it is known, many devices have FDA approval. However, this often is unreal. When you click on the provided links, there is no resemblance between the devices supplied and the device sold or the technology used is given. The major thing is that FDA given on behalf of the company and the device. We have the actual FDA given to our device and technology.

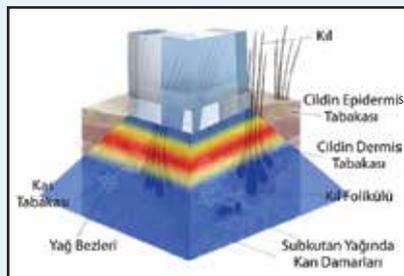
EQUAL ENERGY DISTRIBUTION

Hybrid & Fiber Optic Ironing Diode Laser is designed with a small separation angle and equal energy distribution of laser for more precise and effective hair removal.

Old Technology
Micro Channel
Vertical Diode Laser



Unnecessary
Distribution of
Energy

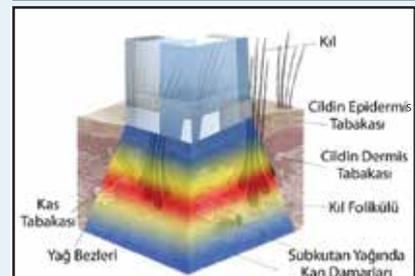


New Technology Fiber Optic Diode Laser

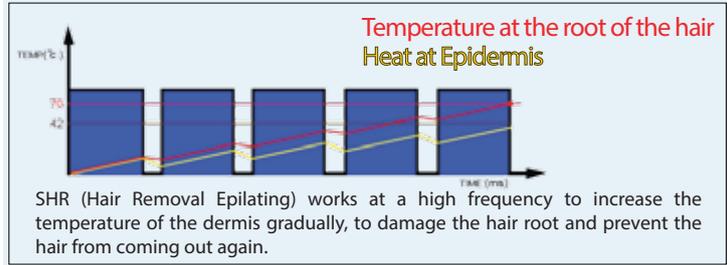


New Technology
Fiber Optic Diode
Laser Generator

Equal and
Correct
Distribution of
The Energy



HOW SHR (IRONING EPILATION) WORKS?

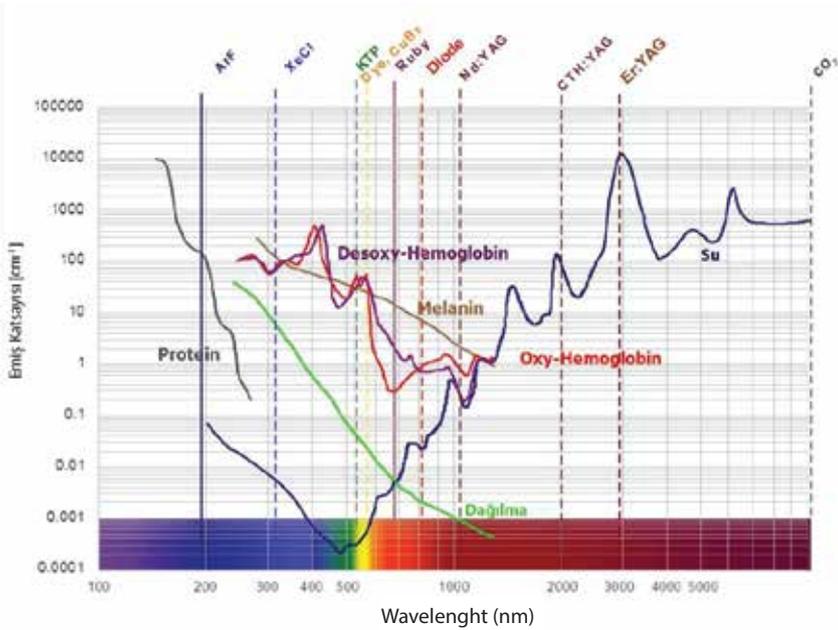


ADELA 810++ is the first Hybrid & Fiber Optic Ironing Diode Laser in the world. The **FCD** laser is located in the main system instead of the header. This means that the laser energy is sent by the fiber to the target zone, which increases the energy efficiency and prolongs the handle lifetime. The lighter handle makes the application more practical for users, while maximizing the comfort of the customers with powerful cooling technology.

LASER EPILATION TECHNOLOGY TABLE

Hair Removal Method	Wave Form	Advantages & Disadvantages
Alexandrite Laser	755nm	<ul style="list-style-type: none"> • Not successful while being applied on dark skin with light hairs is ineffective in the face area. • Requires 4-15 treatments. • Because of the small handle size, the hair removal time is too long, it is very painful method, there are too many burns, the cost of the treatment is very high.
Long Plus Nd:YAG LASER	1064nm	<ul style="list-style-type: none"> • Long wavelengths penetrate deeply, so there is a maximum pain and skin damage. It is the least preferred system at epilation. Generally used in a vascular treatments. • Requires 6-12 treatments. • Because of the small handle size, treatment time is long, it is very painful method, there are too many burns, the cost of the treatment is very high.
808 nm DIODE LASER	808nm	<ul style="list-style-type: none"> • Single wavelength. • Requires 5-7 treatments. The oldest Diode Laser technology found in 2005 and is mainly used in Korea and Far East equipments. • With ironing technology, it can make rapid epilation, it is painful, the handle is heavy, frequent burns and breakdown in the bars, the handle warranty period is short.
810 nm DIODE LASER	810nm	<ul style="list-style-type: none"> • Single wavelength. • Requires 5-7 treatments, replacing 808 nm Diode Laser technology in 2011 with Diode Laser technology. • You can make a rapid epilation with ironing technology, little painful hair removal system, handle is heavy, burns and breakdowns occurs in the bars, not so often but still, the handle warranty period is short.
Fiber Optic Ironing Diode Laser 810 nm	810nm	<ul style="list-style-type: none"> • Single wavelength, great absorption, deep penetration, equal energy to every point. • Requires 3-5 sessions, is the latest Diode Laser technology released in 2015. • Thanks to the ironing technology, rapid epilation can be done, it is the most painless epilation system, the handle is very light, there is no bar in it. No malfunction and no maintenance is required. The cooling system works very well due to a macro channel, the warranty period is at least 4 times more in comparison to the old technologies.

810nm DIODE LASER - SAFE AND POWERFUL



810nm laser, mostly absorbed by melanin in the hair root. This is gold standart for hair removal.

Available for all skin types.

It offers comfartable and painless treatment without side effects.



TECNHICAL PARAMETERS

ADELA 810^{1200W}++

Laser Type	Hybrid & Fiber Optic Ironing Coupled® Diode Laser
Wavelength	810 nm
Laser Power	1200 W
Pulse Width Energy	7-600 ms
Intensity Shot	1-120J/cm2
Frequency	1-10Hz
Skin Type	I-IV Skin Types (Between Lightest and Darkest Skin Types)
Treatment Method	Ironing / Manuel
Handle Spot Size	12mm x 12mm
Cooling System	Sapphire Handle Water and Air Cooling System
Cooling Grade	-5°C
Cooling Grade	10.4 Inch LCD Smart Touch Screen

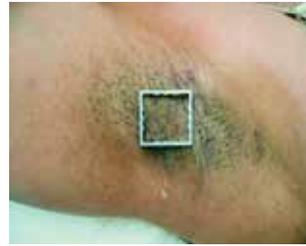
CLINICAL DATA



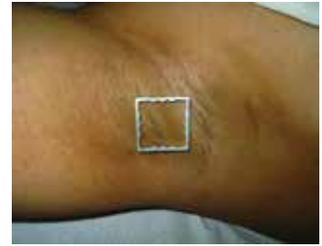
Before



After 3 Treatments



Before



After 4 Treatments



Before



After 5 Treatments



Before



After 5 Treatments

DIODE LASER TECHNOLOGIES COMPARISON CHART

Laser Type	Diode Bar Laser System in Micro Channel Handle 808 nm	Diode Bar Laser System in Micro Channel Handle 810 nm	Fiber Optic Ironing Diode Laser 810 nm
Laser Power	Maximum Laser Output Power 600W	Maximum Laser Output Power 600W	Maximum Laser Output Power 1200W
Technology Released Year	2002	2011	2019
Pain	High	Little	Very Little
Electricity Consumption	High	High	Low
Atmosphere Temperature Necessary for Application	20°C - 27 °C	25 °C - 30 °C	20 °C - 40 °C
Available Water Quality	Deionized Water	Deionized Water	Clean Water
Skin Damage Probability	Can Irritate / Can be small burns	Can Irritate / Can be small burns	Can Irritate
Handle Weight	800 - 1400 gram	600 - 1300 gram	300 gram
Maintenance and Filter Change Needs	Filter change every 6 months/ Water change every month	Filter change every 6 months/ Water change every month	Filter change once a year/ Water change every 6 months