

Platform Advantages



Robotic arm platform, expandable modular design, quick-release and easy-to-change connector, easy to meet more applications.



More languages option, remote online software updating.



Virtual operation demonstration before use, emergency stop design, safe and secure.



Windows platform operation interface design, clear and simple, support multi-program mode expansion.

Commercial Running Design

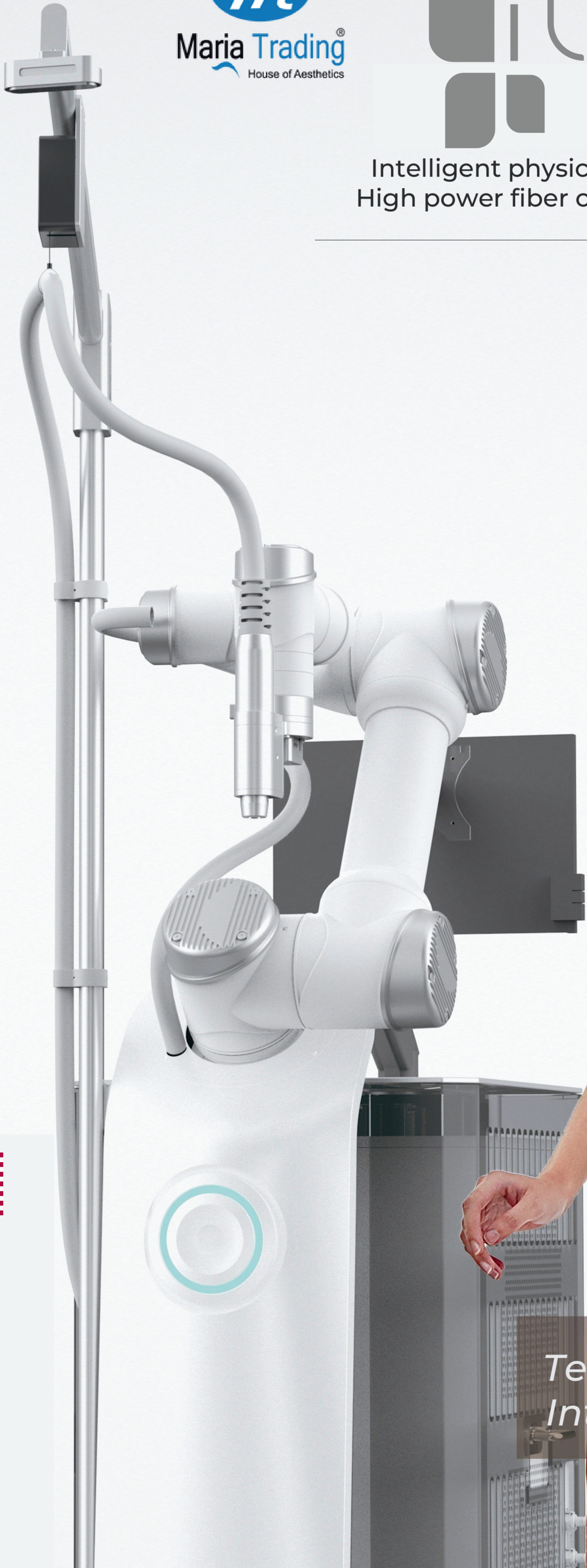
- Automated operation, save human work and cost a lot, long term economical investment.
- The whole machine is networked, integrated management, batch put on the market.

Parameters

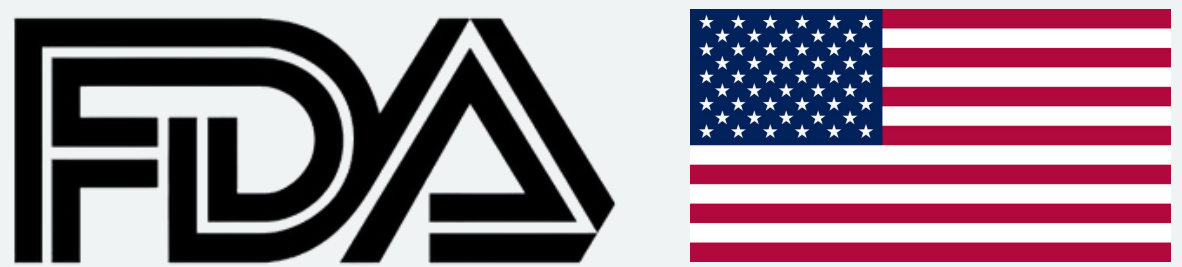
Robotic Arm:	6-joint electric drive	Working Radius:	≤0.92m
Standard Load Capacity:	≥5KG when towing, down pressure≥7KG		
Limit Load Capacity:	≥7KG when towing, down pressure≥8KG		
Force Acquisition Range:	≤±10KG, Resolution<0.1KG		
Single Track Length:	≥5000 nodes, more than 3 min		
Running Speed:	≤0.5m/s	Cooling Temperature:	≤5°C
Control System:	X86 fully enclosed embedded computer as the core, supplemented by Gigabit network port directly connected to the arm body controller, ultra-high integration		
Camera Sensor:	a 2-in-1 highly integrated solution that combines live view camera+TOF deep view camera		
Light Sources:	Fiber coupled diode laser	Power:	2100W
Wavelength:	808nm/triple wavelength(808nm, 755nm, 1064nm)		
Operation Way:	Contact	Peak Power:	1.8KW
Spot Diameter:	18mm	Frequency:	9Hz
Pulse Width:	0-114ms	Cooling:	Sapphire contact cooling+Water cooling
Mainframe Size:	420*420*500mm	Net Weight:	48kg



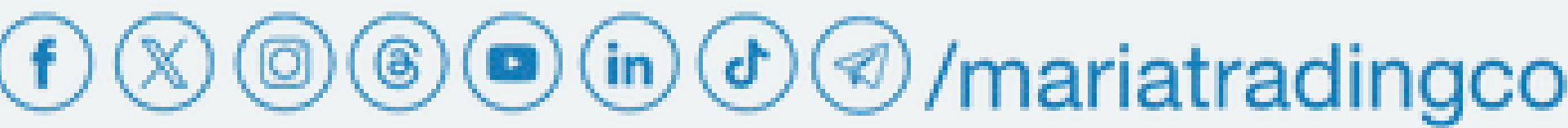
Intelligent physical therapy Robotic Arm platform  
High power fiber coupled diode laser for depilation



FDA Technology certified



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Technology frees hands ;  
Intelligence comfort life !





**Flexible collaborative robotic arm** is based on 6-joint electric drive, and AI image body recognition, pre-programmed movement trajectory, more flexible and precise movement, higher collision avoidance, safety and reliability.

**Dynamic tracking**

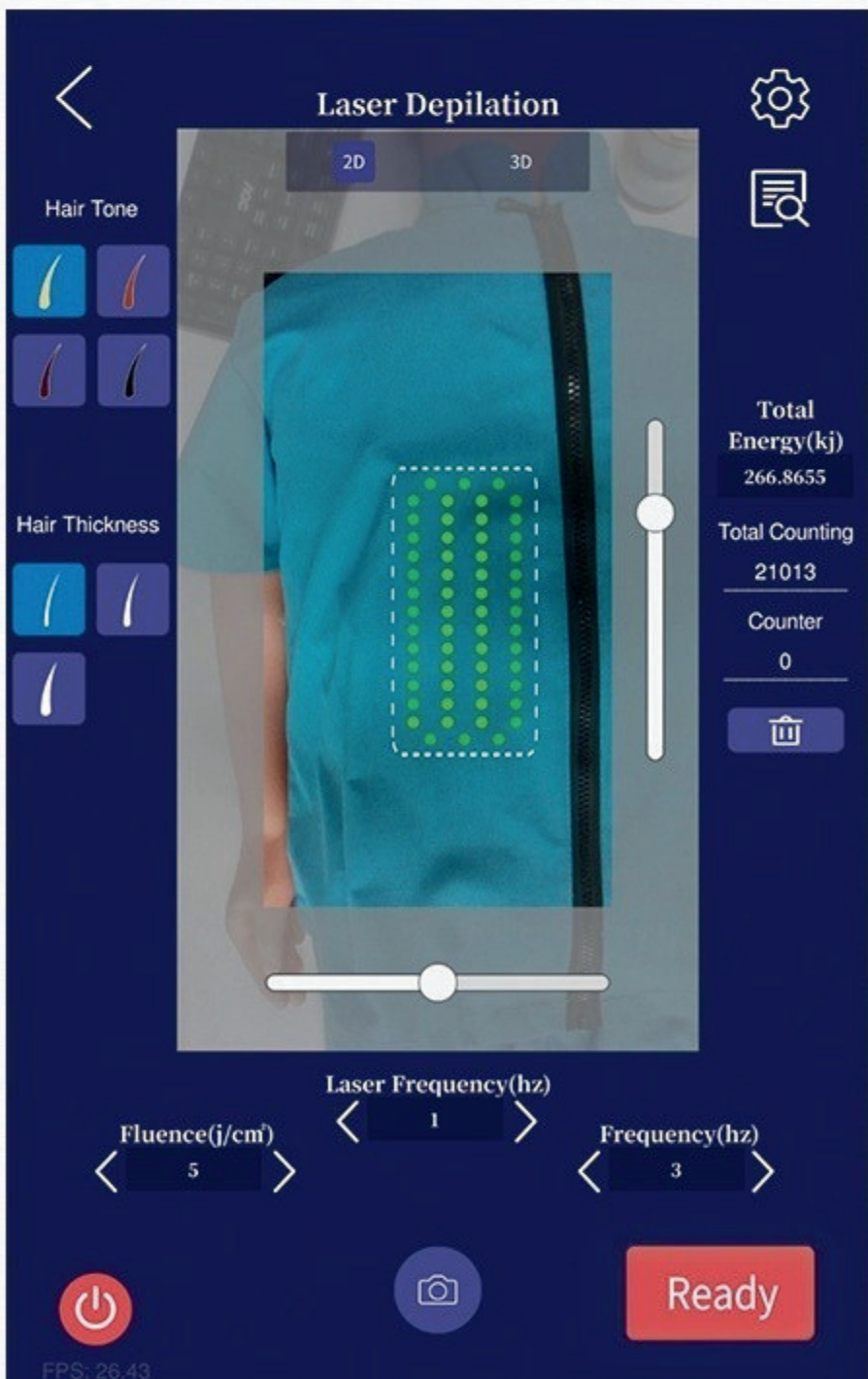
The ability to intelligently recognize and follow the body's all movements, ensures that the massage head is always close to the body, providing an uninterrupted and comfortable process.



Machine's vision systems are capable of recognizing limbs and subjects with high accuracy by processing 3D camera images in real time. Such system utilize advanced algorithms and techniques to accurately recognize human poses and movements, providing accurate guidance and control of flexible collaborative robotic arm.

**Third view protection**

- If human movement is detected or there is a problem with recognition, it will withdraw autonomously to avoid misuse.
- 3D solid modeling, multi-angle visual observation; real-time environment monitoring, convenient and intuitive; the machine's own top view angle, can be safe self-testing.



Professional parameters' suggestion based on different skin tone, hair type and body area. Purely automatic operation, super easy process.

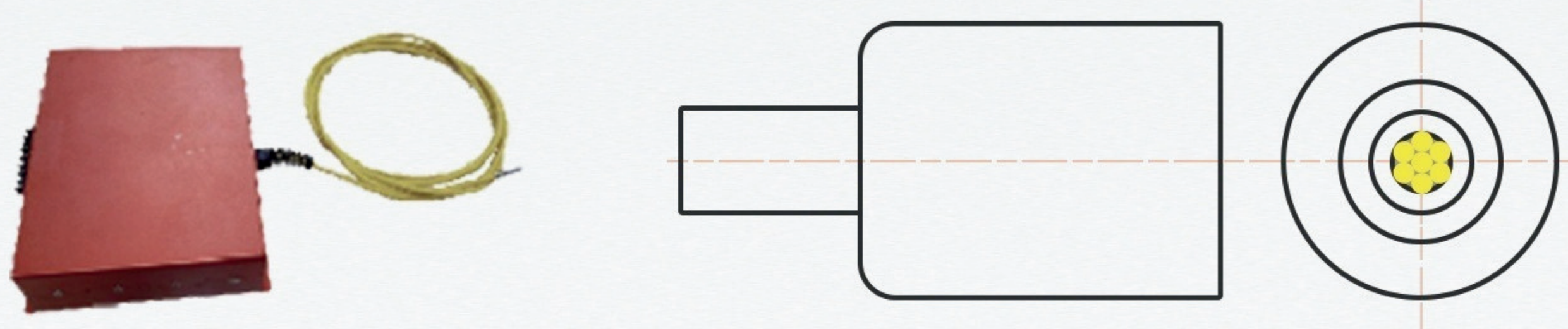
- Combining the camera recognition, freely choose the target area with exact size on interface.
- Subdivision processing of body parts, accurate target parts, synchronous output.
- Precised shots number presetting for target area, counting down operation to ensure full efficacy.
- Total energy setting and accumulation ensure professional hair removal effect, intelligent and repeated running path make operation finish in shortest time but not miss any area.

**High power Fiber coupled diode laser**

The light generated by multiple diode laser are coupled into a single-core multimode fiber by micro lens array, in order to deliver light to the target place. It can work in high temperature even 45℃ and moisture environment, protect core laser generator never happen problem caused by thermal damage, so prolong the lifespan of hand piece to 50 million shots and two years' guarantee. No any consumable like filter at all, need not change high hand piece very year, most economical diode laser machine in the market.

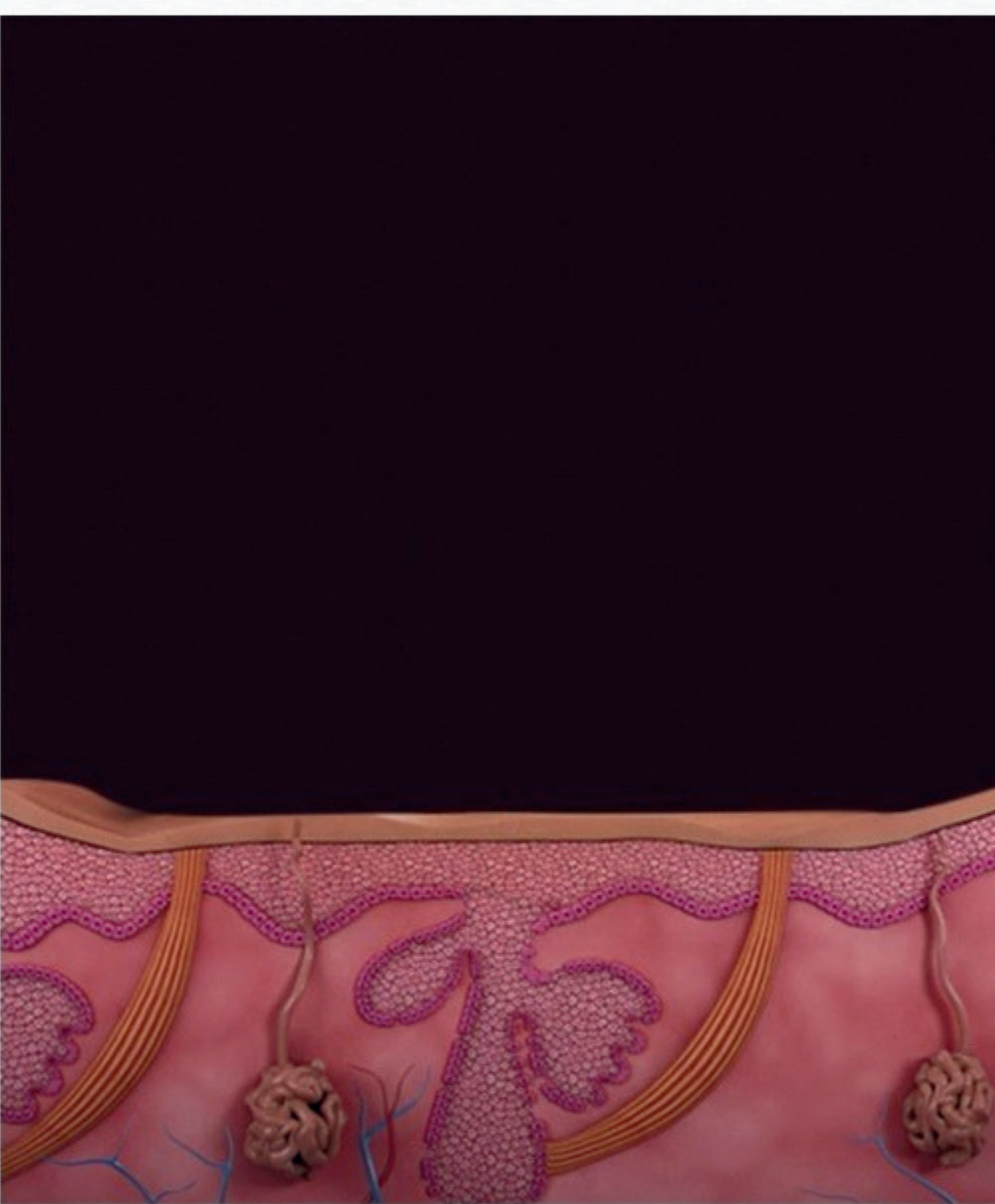
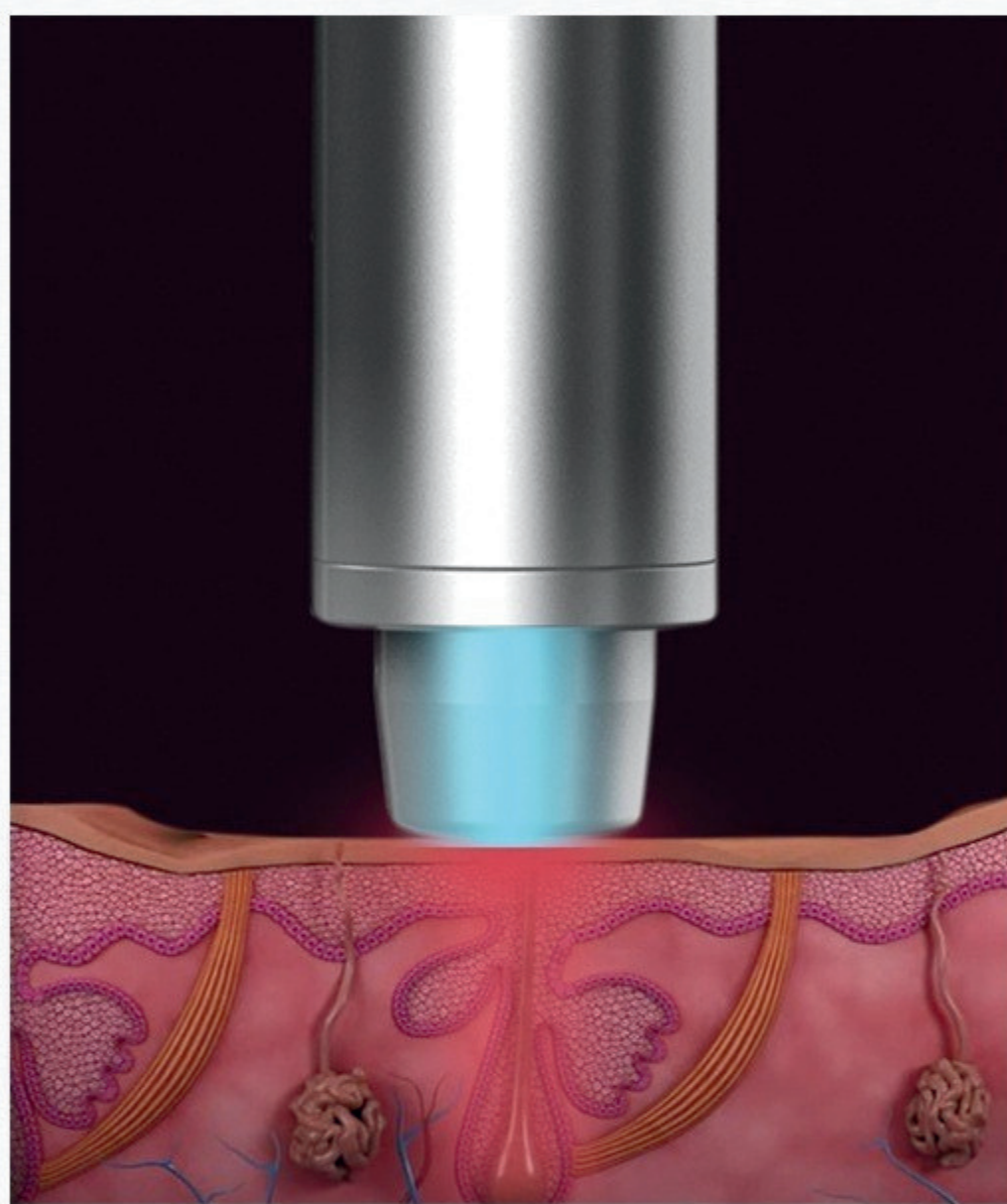
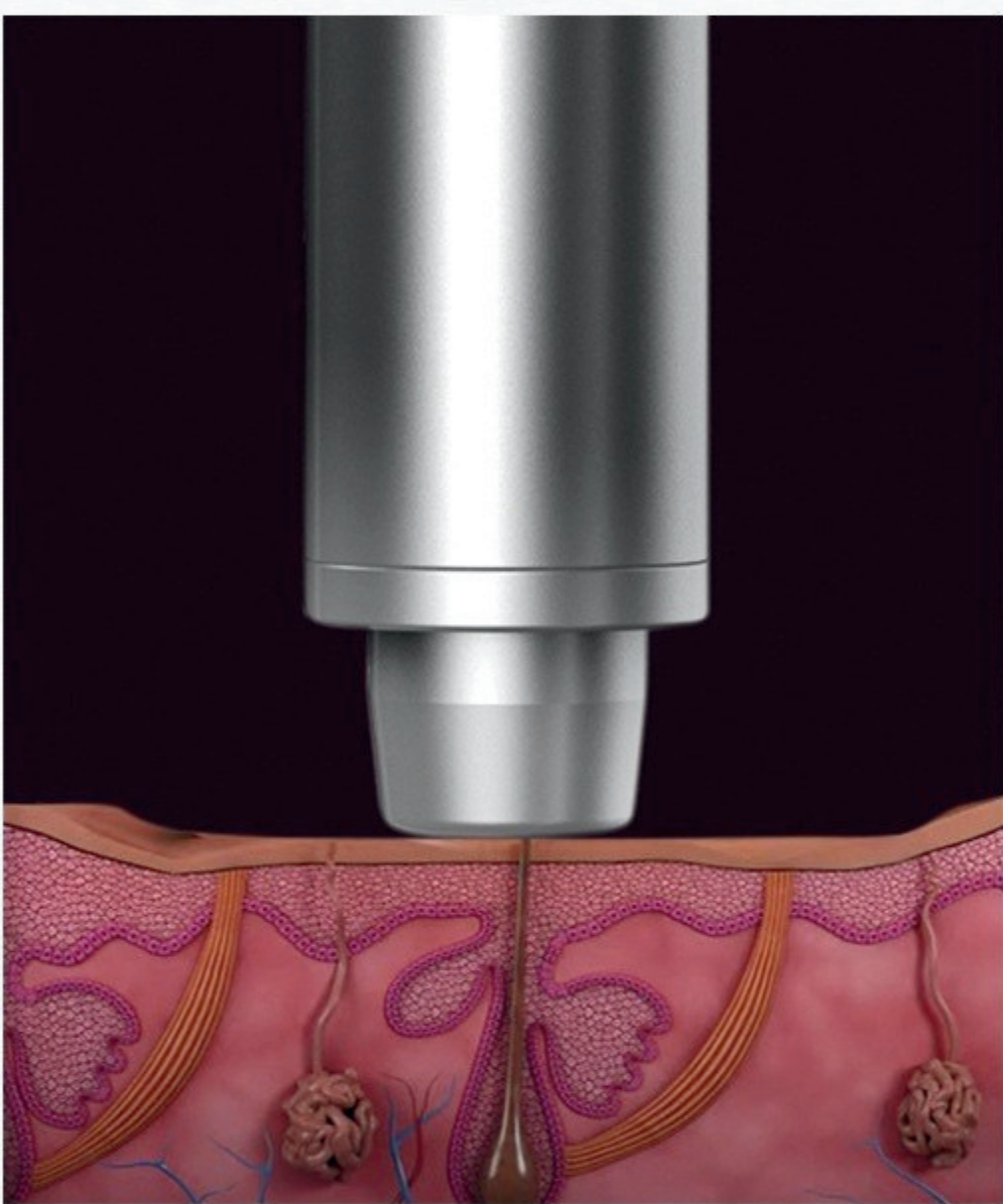
**2100W high power 810nm / Triple wavelength fiber coupled diode laser**

7 pics of fiber, total 2100W power. Higher power, much better efficiency and treatment effect.



**Fiber coupled diode laser HR working principle**

Using high power **808nm** or **triple wavelength** diode laser's short pulse on the hair, the melanin in the hair shaft and follicle absorbs the laser and generates heat, destroying the hair follicle, and the damaged follicle can not grow new hair, so as to achieve the effect of permanent hair removal.



Sapphire contact cooling ensure continued low temp. on epidermis, safe and comfortable.

**Both operation modes and high sliding speed**

**Single + continuous** shots two operation modes; maximum continuous frequency can reach 9HZ, fast hair removal for body large area; 1 to 9HZ adjustable for different target area size.



Most powerful light source, efficient and excellent HR experiences.



Reliable and economical choice.

**50 Million**

50million shots' lifespan with nothing consumable.



Round spot and very small divergence angle, evenly spot and comfortable treatment feeling.



Big spot size for fast operation.



Strong Italian cooling system bring long time running and nothing pain.



WIFI internet connection, remote check, management and online updating.



FDA, MDD and ANVISA full certificate approved.