



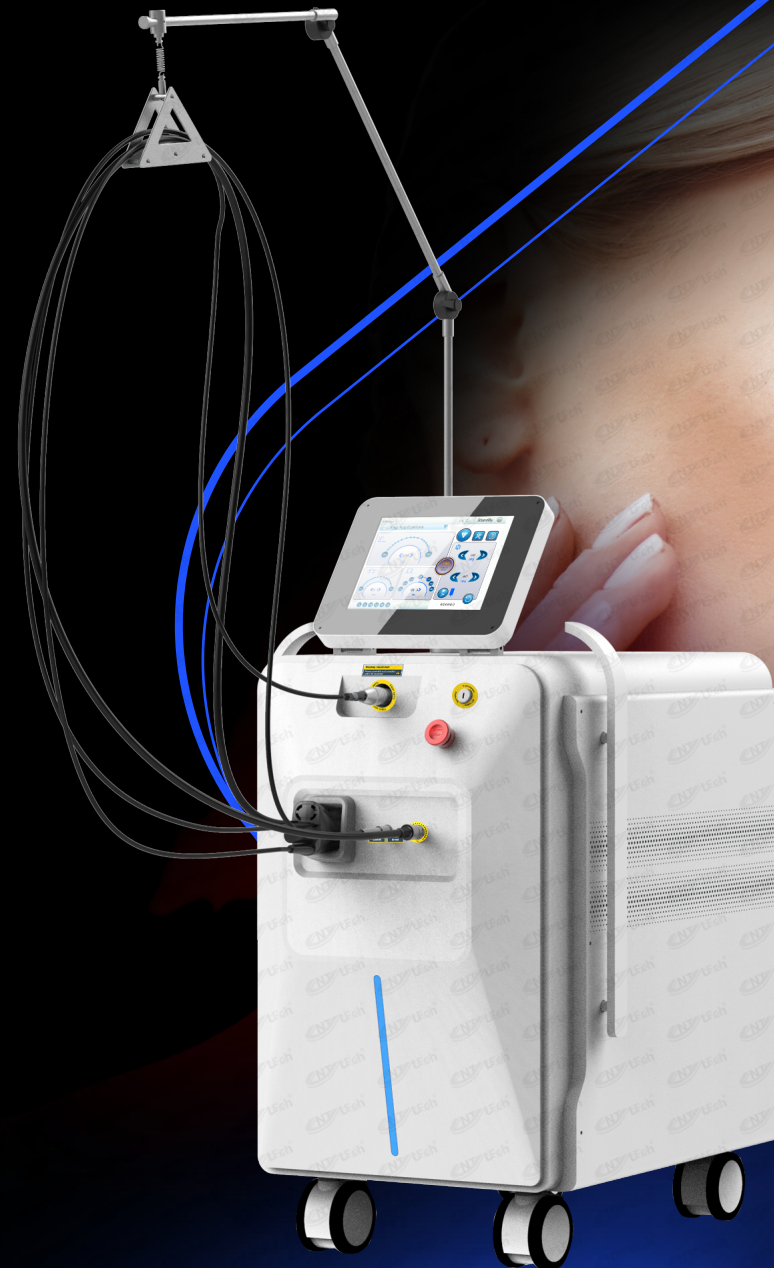
LASER HAIR REMOVAL

New Arrival

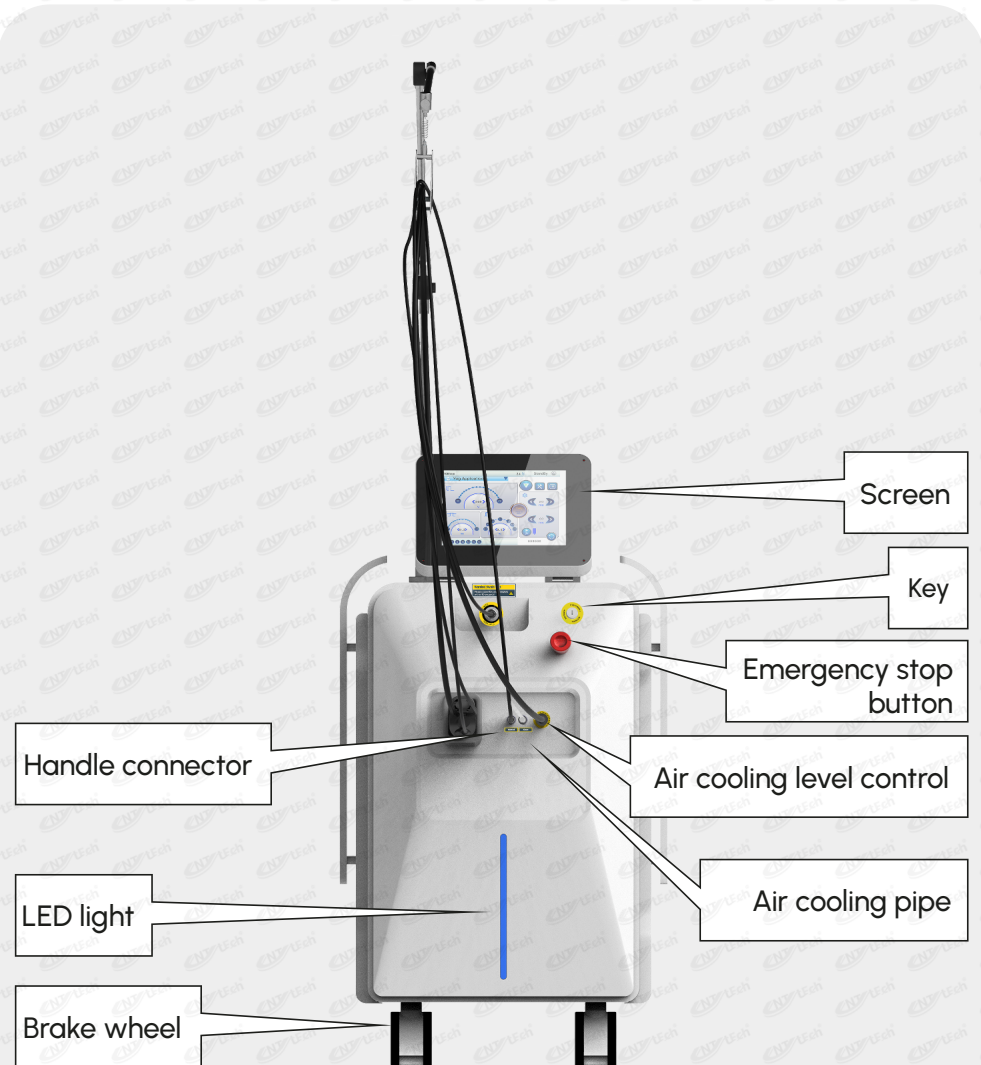
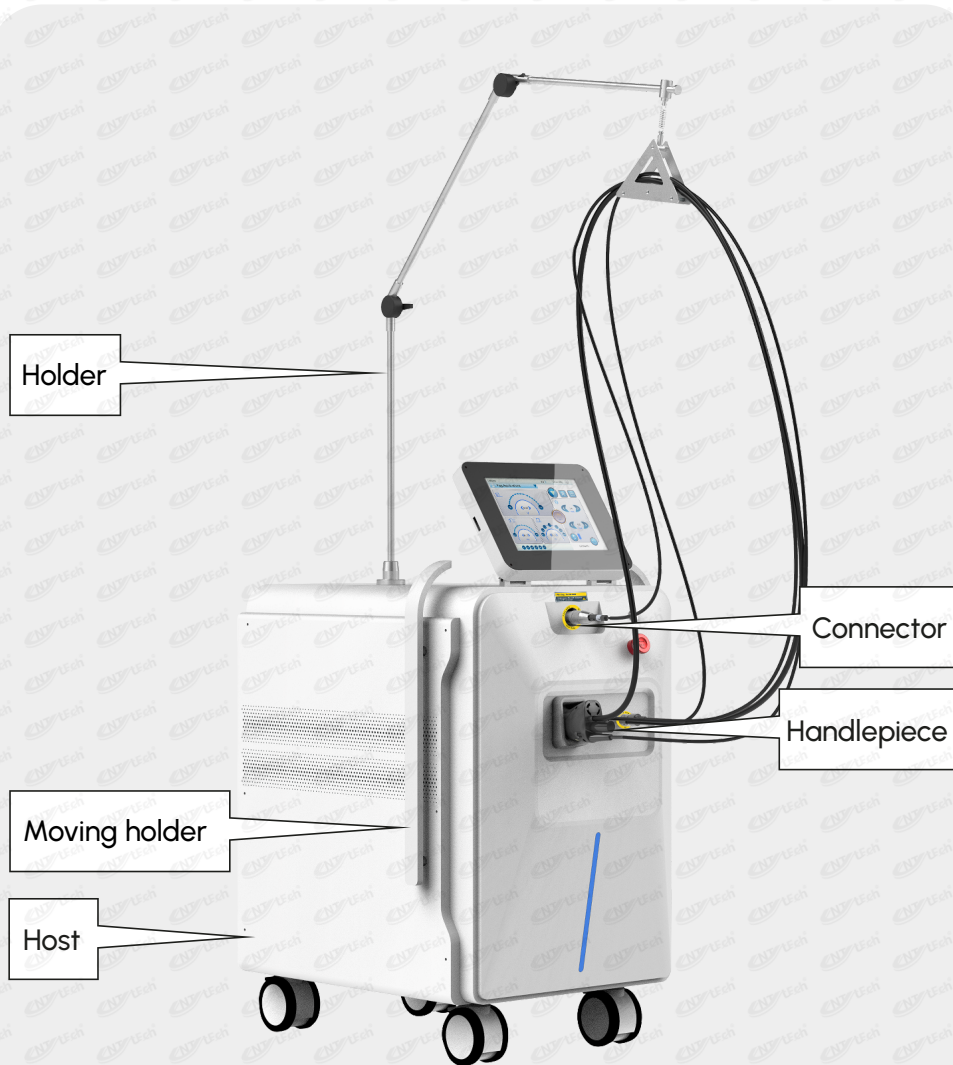
Long Pulse

ND YAG Laser therapy device

ND:Yag



Product Display



Product Advantage

1 Germany big power Quartz Fiber

Low failure rate, longer use time, stronger output energy around **80J**, using life more than **5 million** time flashing.



UNT

*Germany big power
Quartz Fiber: Low failure
rate, longer use time.*

Vs



Other

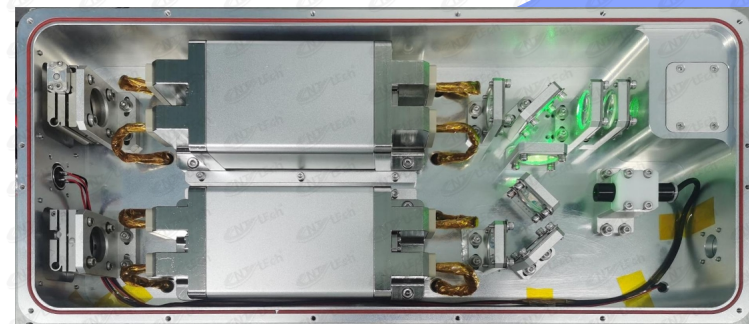
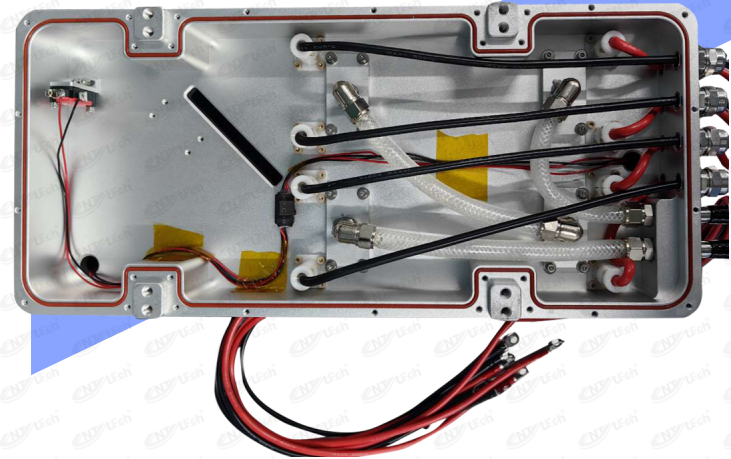
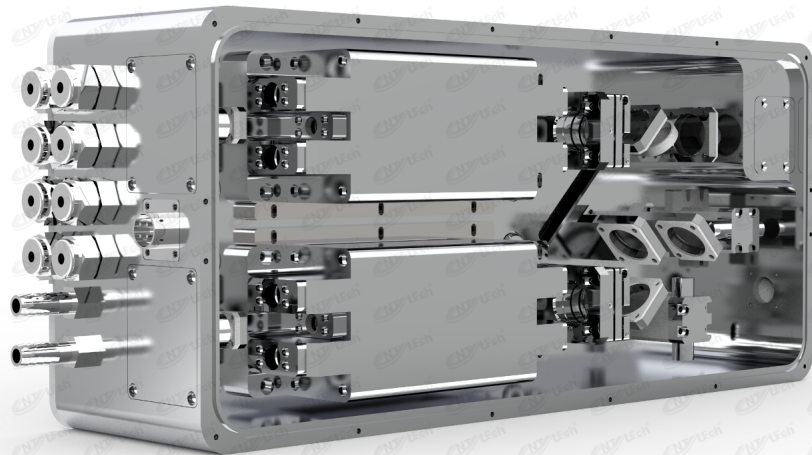
*Polyester-coated (plastic)
optical fiber, which has a higher
after sale failure rate and is
easily damaged by high energy.*

Product Advantage

2 Special laser cavity design

Integrated molded housing, and **separation of the optical path in water and electricity**, ensure the use safety.

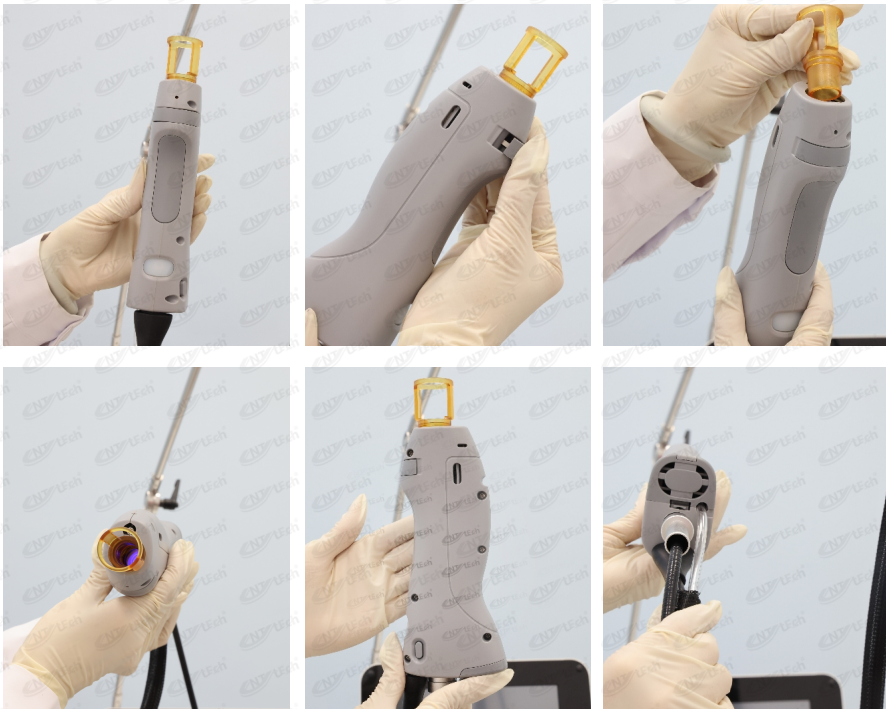
Dust and water resistance levels can reach **IP61**, such a design can avoid energy attenuation due to environmental pollution.



Product Advantage

3 Support different spot sizes

Self-research and design treatment handpieces support different spot sizes, which can meet all different body skin hair removal needs: **professional, accurate, and efficient.**



1064nm



7.5mm 9.5mm 11mm 12mm 14mm 16mm

755nm



8mm 10mm 12mm 14mm 18mm 20mm

Product Advantage

4 High energy output

Xenon lamp--UK brand

High quality UK xenon lamp ensure better and powerful laser energy output, and longer the machine use life.

Laser crystal rods

UNT laser crystal rod's diameter is 8mm, other suppliers in China is 6mm.

Laser driving system

- Laser pulse power supply: 2000W MAX 600V
- Electrolytic capacitors
(The quantity and capacity of the capacitors influence the output energy stables, Bigger is better.)

UNT
22000uF x 8

Other chinese supplier

- 12000uF x 8
- 27000uF x 4

Xenon lamp imported from the UK, works with diameter **8mm** laser rod, **8 sets 22000 uF** high capacitance capacitor, Ensure **20 HZ** high-frequency output energy is stable and no attenuation.



◀ Xenon lamp

Laser crystal rods ▶



Product Advantage

5 About the cooling system

The device is applied with an infinitely variable speed of **24000** rpm air **cooling system**, no consumables, and a good cooling experience.



Air cooling

The device uses a step-less speed blower to ensure the air blows out continuously, no consumables, **and a good cooling experience.**

OR

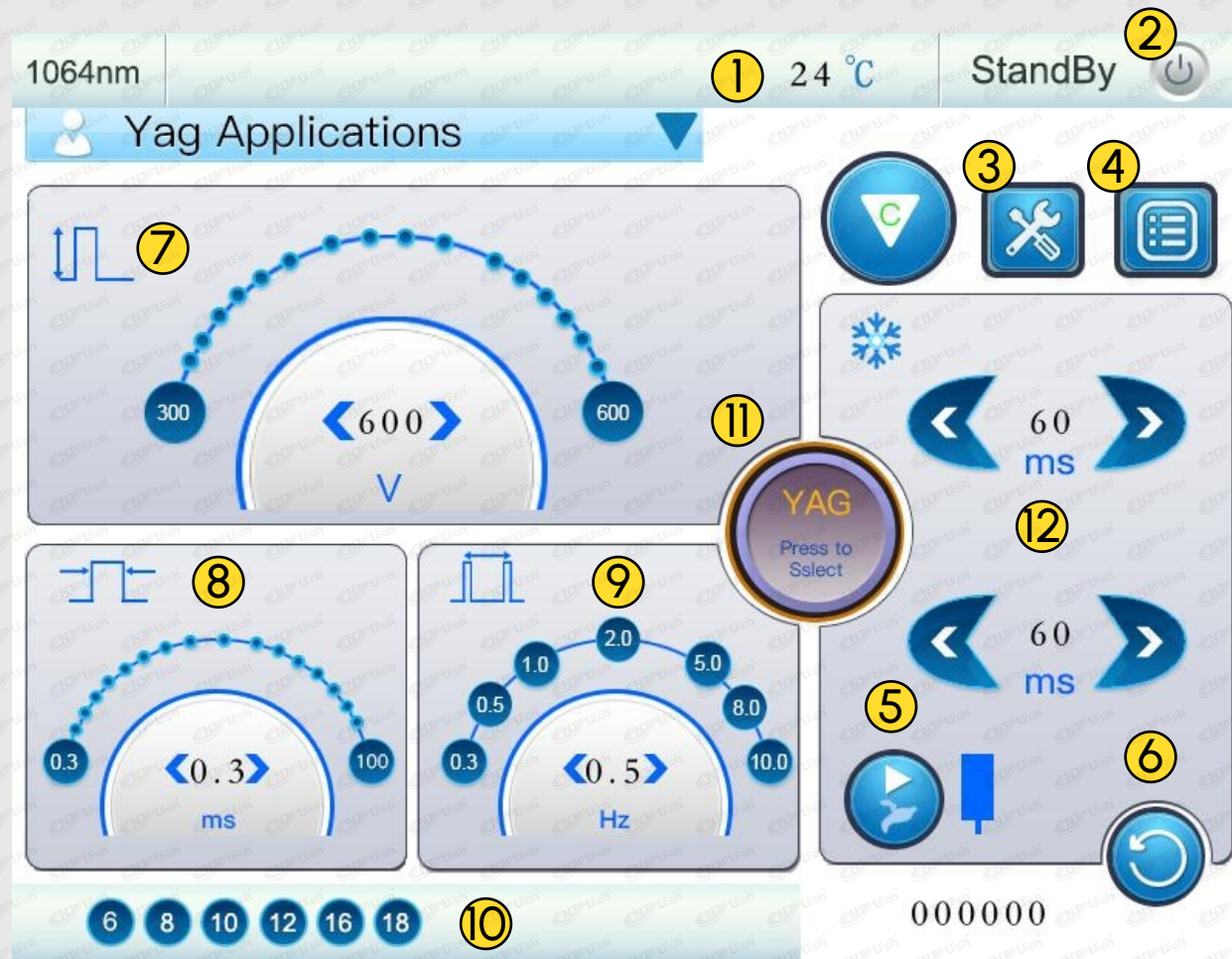


Liquid nitrogen cooling

The use of **R134A** environmentally friendly refrigerant (1,1,1, 2-tetrafluoroethane) can achieve a rapid cooling effect when spraying the skin, and the skin temperature can be reduced to about **-10 °C to -20 °C** under the appropriate spraying interval and the appropriate time, fast cooling, good effect"



Interface Display



1. Water temperature
2. Start
3. Setting
4. Infra light aiming: 3 levels
5. Liquid nitrogen injection switch
6. Light output times and reset button
7. Energy adjust (via voltage)
8. Pulse width
9. Frequency
10. Spot sizes choice
11. Smart parameter table
12. Liquid nitrogen injection configuration
13. Water lacking alarm
14. Fiber insert incorrectly

Working Principle

Long pulse lasers act on specific target tissues in the skin by emitting lasers of specific wavelengths.

The treatment principles include the following aspects:

1. Selective photothermal effect:

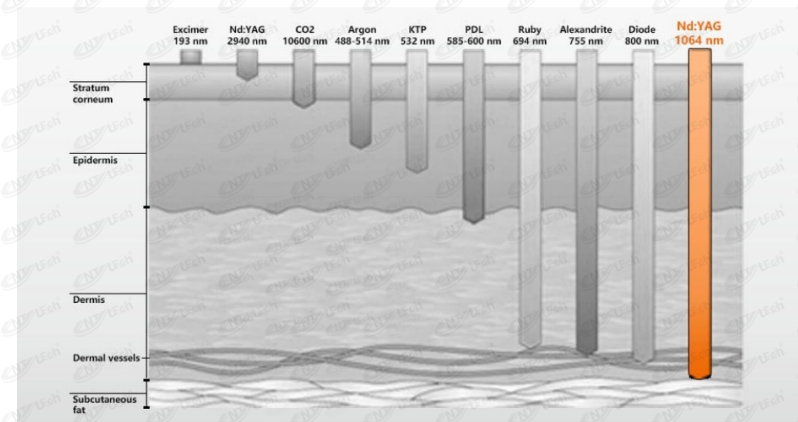
The laser energy is absorbed by specific pigments (such as melanin) or hemoglobin in the skin and converted into heat energy, thereby destroying the target tissue.

2. Stimulating collagen proliferation:

Long pulse lasers can penetrate deep into the dermis, stimulate fibroblast proliferation, and promote collagen production, thereby improve the elasticity and firmness of the skin.

3. Thermal effect:

By controlling the pulse width and energy of the laser, the target tissue can be precisely heated to reduce damage to surrounding healthy tissues.



Application

Long pulse lasers are widely used in medical cosmetology, mainly including the following aspects:



Skin rejuvenation

By stimulating collagen, improves the skin texture and elasticity, and reduces fine lines and wrinkles.



Pigmentation removal

Melanin is destroyed through selective photothermal action, it can remove freckles and age spots.



Hair removal

Long pulse lasers can effectively destroy hair follicles and achieve a lasting hair removal effect.



Treatment of vascular skin diseases

such as port wine stains and capillary dilation, lasers act on hemoglobin to reduce vascular dilation.

Before and after

The clinical operation is convenient and can be treated: hair removal, skin rejuvenation, freckles and vascular skin diseases.



Before

After



Before

After



Before

After



Before

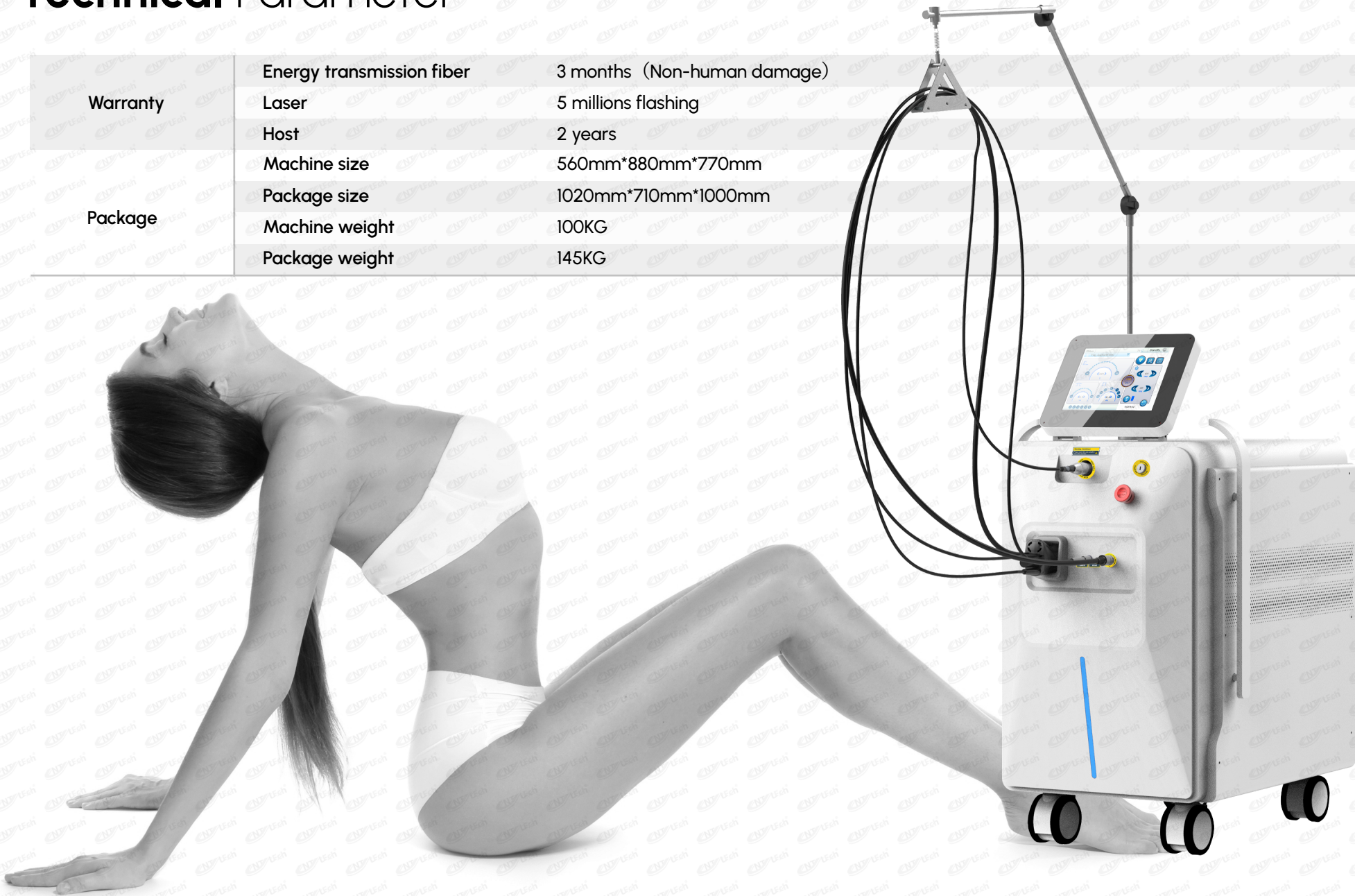
After

Technical Parameter

Power supply	Power	3000W		
	Input	210-240V 50-60Hz	100-120V50-60Hz	
Environment	Working temperature	10-35°C		
	Humidity	60%		
Laser	Wavelength	1064nm	755nm (optional)	755+1064nm (optional)
	Xenon lamp quantites	2	2	4
	Xenon lamp diameter	Φ10 130mm		
	Crystal rods quantity	1	1	2
	Crystal rod diameter	Φ8/ 130mm		
	Cooling medium	Distilled water/ Pure water		
	Cooling method	400W TEC		
	Heat dissipation and temperature control	Support temperature self-adjustment between 24 and 26 degrees		
Handle	Energy transmission fiber	Φ1.2mm German quartz optica fiber	Φ1.5mm German quartz optica fiber	Φ1.5mm German quartz optica fiber
	Optical fiber plug detection	If fiber is not inserted or inserted incorrectly, the device will not work. Such system settings can protect the device and the user.		
	Indicator light	Green	Red	Red+Green
	Light spot adjustment	Lifting method adjustment		
	Spot sizes	Short lense: 07.5/ 09.5/ 11.5mm Long lense: 12.0/ 14.0/ 16.0mm	Short lense: 08.0/ 10.0/ 12.0mm Long lense: 14.0/ 18.0/ 20.0mm	
Screen	Size	10.1 inch		
	Resolution	800*600		
	Brightness	200cd/m²		
Energy	Pulse width	0.3-100ms		
	Repetition frequency	0.3-10Hz		
	Output energy	0-75J	0-50J	0-50J @ 755nm/ 0-75J@1064nm
	Energy stability	≤3%	≤5%	≤5%@755nm/ ≤3%@1064nm

Technical Parameter

Warranty	Energy transmission fiber	3 months (Non-human damage)
	Laser	5 millions flashing
	Host	2 years
Package	Machine size	560mm*880mm*770mm
	Package size	1020mm*710mm*1000mm
	Machine weight	100KG
	Package weight	145KG



Company Profile



Ample spare parts reserve. Rich shell options. Instant delivery time.



UNT has a strong research and development team, including electronics engineers(designer; AVR programming;circuit layout) construction engineer, UI designer engineer QC control engineer...etc. We provide OEM/ODM design and program update.



In UNT we have been at the forefront of laser diode technology since 2010, We are committed with the clinics and practices to deliver them a platform that gives them the ability to get there results that the customers demand.



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