

GSD®

Eximal

308nm Excimer UV-light System

Gold standard for
vitiligo and psoriasis



CE
0482



Introduction

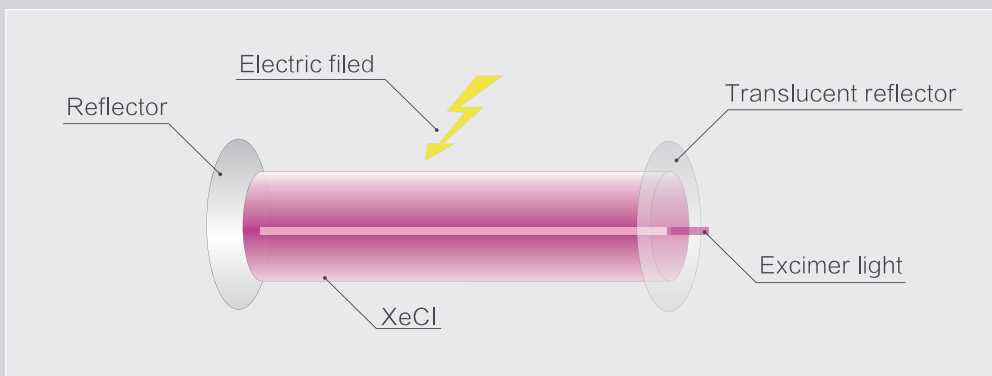
308nm Excimer UV-light is single-rate excimer light by using XeCl as illumination, to induce T cells apoptosis and improve pigment synthesis, which proved to be effective for many skin diseases with accurate treatments. It is regarded as the most effective way to treat Vitiligo, Psoriasis and other skindiseases because of the excellent efficacy, short treatment course and less adverse reactions.

Eximal is possible to selectively treat lesions, even when extensive, in only a few seconds without involving the healthy skin. The total irradiation is reduced to a minimum, combining the great therapeutic benefits of this wavelength with the safety of limited exposure to ultraviolet rays. A few weeks treatment eliminates symptoms for several months. Treatment is extremely well tolerated, painless and with hardly any impact on the patient's working and social activities.

The system's smaller size, lower weight and ease of use make it more flexible than an excimer laser. Its comparatively low acquisition and operating costs make it more cost-effective.

Technology Explanation

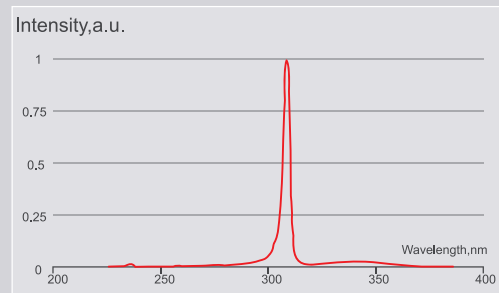
The light source of Eximal is a molecule consisting of Xe atom and Chlorin atom under the effect of electric filed. As chlorin atom can accept a electron from Xe atom, the two atoms are activated and on an unstable combination state, thus producing single-rate excimer light.



Advantages

Safe

Lesion targeting with 308 nm single wavelength. The spot can be applied directly on localized plaques and protect unexposed healthy skin. Suggested treatment dose of monochromatic UVB light has no side effects. Pain free performance and suitable for children.



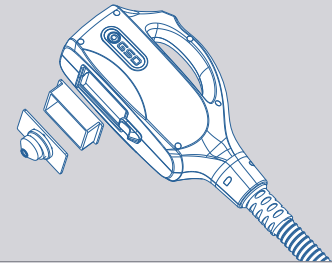
No consumables, high ROI

Low acquisition and operating costs, maintenance-free technology. No consumables, lamp lifespan up to 1500 hours, no gas needed. Portable design, easy for transportation.



Large spot size for fast treatment

Treatment area up to 42 mm x 61 mm (8 photo-masks available for accurate treatment). Spot size up to 25.62 cm² for fast treatment even on large areas.



Clinically proven effectiveness

High-energy spotlight for option. Max 4500mj/cm² energy density and variable dose for option. Visible results after only a few sessions.



Intelligent software

Intuitive user interface, easy to use. Integrated MED (Minimum Erythema Dose) setting is convenient and time-saving, simple and reliable.



Applications and Comparison

■ Vitiligo

Feature	NB UVB	308nm Excimer Laser	308nm Excimer UV-light
Effect	Ordinary	Obvious	
Safety	With side effects and adverse reaction	Safe	
Treatment Time	Several months	10 to 15 times	
Treatment Efficiency	Low energy, long irradiation time	Small light spot, long irradiation time	Adjustable large light spot, high energy, short irradiation time
Pertinency	Strong phototoxicity, harmful to surrounding healthy skin.	Single wavelength, deep penetration, high efficiency, protect healthy skin from radiation hazard	
Treated area	Invalid for facial edge and wrinkle areas	Valid for facial edge and wrinkle area	
Consumables	Consumables is needed for some areas	Consumables is needed	"Zero" consumables

■ Psoriasis

Research results: 81% patients obtain over 74% elimination rate in less than 10 times treatment; 55% patients obtain over 92% efficacy in less than 10 times treatment.

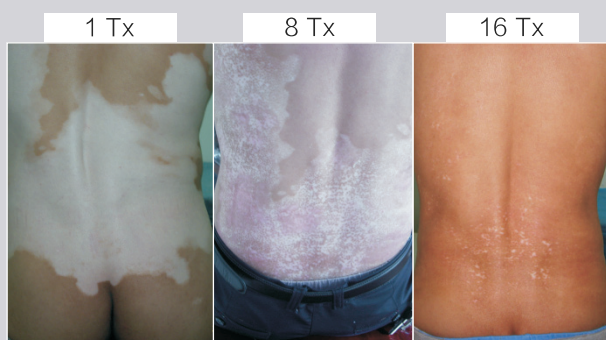
■ Eczema

Clinical data shows: Patients can obtain 82.4% effective rate after 15 times treatment, 67.9% after 10 times treatment and 41.9% after 5 times treatment.

■ Alopecia

■ All kinds of dermatitis

Before and After Pictures



Clinical Evaluation

Clinical report I

The Second Military Medical University Affiliated ChangHai Hospital:
This device is specially effective for III-IV skin type and the result is better than other similar devices. The clinical data is as below:

Area	Patient	Treatment time	Cure	Excellent	Effective	Invalid	Total effective rate
Face and neck	14	20	1	5	7	1	92.9%
Trunk	10	20	0	5	4	1	90.0%
Limbs	5	17	1	2	1	1	80.0%
Total	29	19.5	2	12	2	3	89.7%



Clinical report II

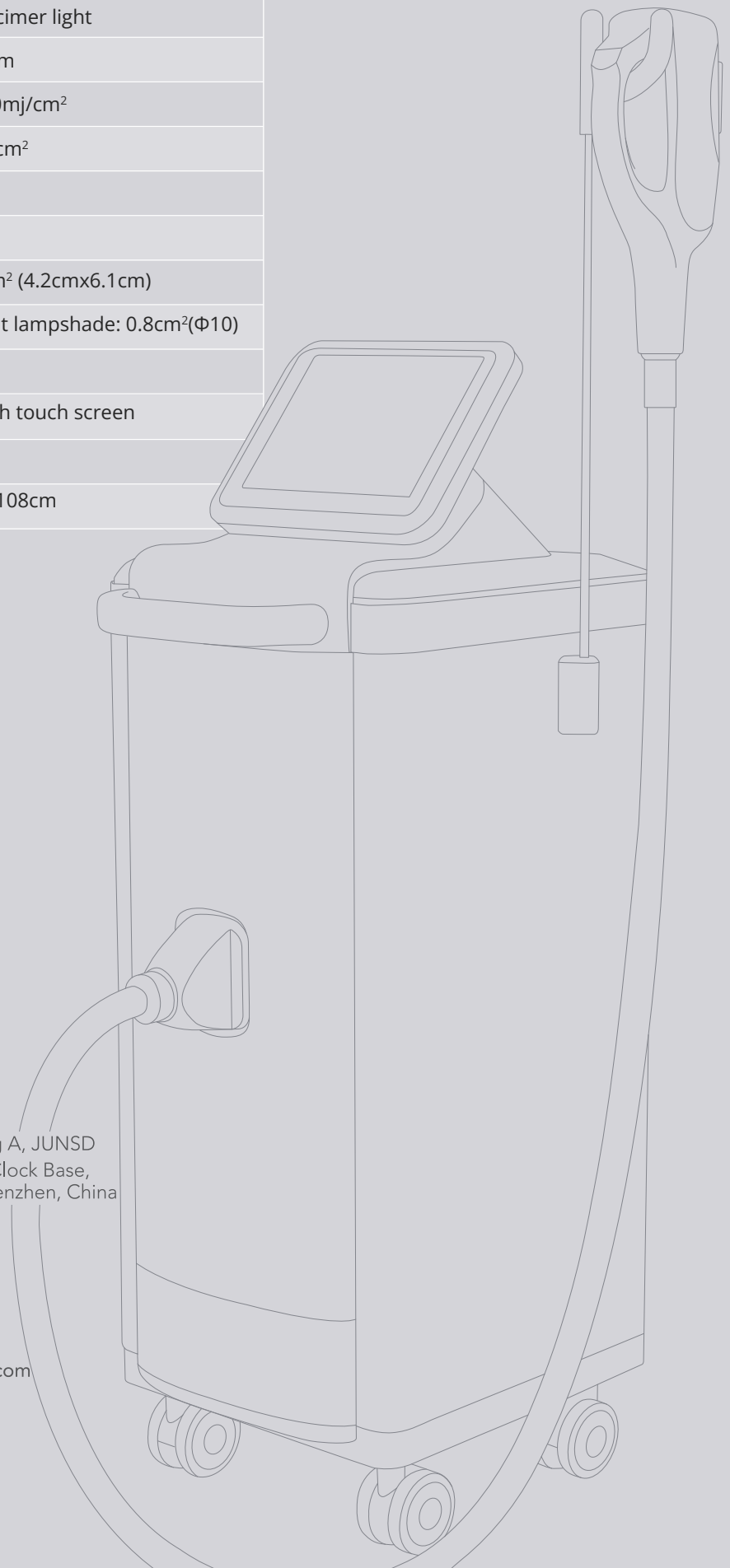
The Third Military Medical University Affiliated Xinan Hospital:
This device is very effective for stable vitiligo. The pigment recovery of the lesions is expedited within short treatment cycle without complication and serious side effects.
The clinical data is as below:

Area	Patient	Treatment time	Cure	Excellent	Effective	Invalid	Total effective rate
Face and neck	20	13	6	5	8	1	95.9%
Trunk	4	20	1	1	2	0	100%
Limbs	6	37	2	1	1	2	66.7%
Total	30	23.5	0	8	11	2	87.2%



Technical Parameters

Light source	XeCl Excimer light
Wavelength	308±2nm
Energy density	50-6000mj/cm ²
Limit power density	50mW/cm ²
Energy instability	≤ ±10%
Light spot energy irregularity	≤ ±10%
Light spot	25.62cm ² (4.2cmx6.1cm)
High-energy spotlight	spotlight lampshade: 0.8cm ² (Φ10)
Single irradiation time	1s-120s
Display	10.4 inch touch screen
Weight	54KG
Dimension	45*54*108cm



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