



PENTAGON grand™

ULTRA PULSE CO₂ FRACTIONAL LASER



PENTAGONgrand™

The best choice for skin treatment procedures

DAE_JU
Meditech Engineering



What is **PENTAGON**grand™?

It is Ultra Pulse CO2 Fractional Laser, which is a new generational version of the CO2 Fractional laser for severe scars, enlarged pores, and various kinds of skin disorders.

The Ultra Pulse CO2 laser, pentagon grand, artificially makes an injury on the dermis resulting in the reformation of the strongest collagen.

By inducing healing response of the dermis, fibroblasts are stimulated, producing substances like collagen. Thus it aims at ameliorating the aging process by relieving and curing scars, reforming pores and reducing wrinkles.

The Ultra Pulse CO2 Fractional laser, Pentagon grand takes into advantage the use of the traditional continuous wave controlled method. Thus with an Ultra Pulse control method, there is less pain and almost no downtime with quick recovery through a safe and elaborate power output.



Applications

Incision, Excision and Vaporization of soft tissue in

- Aesthetic
- Dermatology
- Plastic Surgery
- General Surgery
- Podiatry
- Otorhinolaryngology
- Gynecology
- Neuro Surgery
- etc.

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|------------------|------------|
| Skin resurfacing | Acne scars |
| Exophytic scars | Wrinkles |
| Large pores | Pigment |
| Skin tone | Whitening |



Clinical applications

Skin tightening, Skin tone, Whitening, Periorbital wrinkle, Soft tissue coagulation



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Technical Specifications

Laser type	Ultra Pulse CO ₂ Laser	
Power	150W	
Pulse Energy	3mJ ~ 300mJ	
Operation Mode	Ultra Pulse	Laser Spot Size: 0.1mm~0.7mm 400W Peak Power
	Fractional	Laser Spot Size: 70 μ m ~ 200 μ m 300W Peak Power
	CW	Laser Spot Size: 0.1mm~0.7mm 0.5W~30W average power
Operation Mode→	Fractional Mode→	Dynamic Mode (Array, Random) Static Mode (Array, Random)
Lesion Depth	All Type 1500 μ m (max. 2,000 μ m)	
Spot Density	25~999 spots/cm ²	
Scan Area Size	5x5 ~20x20 (Adjustable)	
Scan Area Shape	Square, Rectangular	
Handpiece Tip Size	Normal (5mm, 10mm, 15mm)	
Control Panel	65,000 Colors TFT Touch Screen (8 inches)	
Operation Speed Control	1 ~ 5 Levels	
Aiming Beam	Diode Laser Beam 650nm (light adjustable)	
Laser Delivery	7- joint 7- mirror articulated arm	
Input Voltage	110VAC	
Weight	50Kg	
Dimensions	420mm(W) x 510mm(D) x 1,200mm(H)	

Manufacturer



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