

Indication

Hair removal

- Dark/light hair -
- Thick/thin hair -
- Any body areas -
- Any skin types -

Pigmented lesions

- Freckles -
- Seborrheic keratosis -
- Dyschromia -

Vascular lesions

- Telangiectasia
- Blue vascular
- Facial flushing
- Inflammatory acne
- Rosacea
- Nevus flammeus
- Hemangioma
- Spider veins

Rejuvenation

- Wrinkles
- Skin laxity

SMARTRION ND:YAG

Long-pulsed Nd:YAG Laser

Technical specification

Laser Medium	Nd:YAG
Wavelengths	1064 nm
Beam Delivery	Lens-coupled optical fiber with handpiece
Energy	Max. 90 J
Fluence	1273 J/cm ²
Pulse Duration	0.5 – 100 ms
Spot Size	3, 5, 7, 10, 12, 15, 18, 20, 22 mm (Zoom HP) 3, 6, 10, 12, 15, 18, 20, 22 mm (Cartridge HP)
Repetition Rate	1 - 7 Hz
Aiming Beam	532 nm (< 5 mW)
Cooling	Cryo gas & Air cooling system
Dimension (W*L*H)	1050 mm (W) X 500 mm (L) X 1100 mm (H)
Weight	105 Kg



SMARTRION ND:YAG is an innovative long-pulsed Nd:YAG laser device developed by IDS, featuring a real top-hat uniform beam profile for a wide range of indications including hair removal, treatment of vascular lesions and pigmented lesions and more.

Moreover, the SMARTRION ND:YAG offers enhanced versatility through its provision of two handpieces—the zoom and cartridge handpieces—to cater to different treatment needs. Additionally, it provides two cooling options—gas or air—allowing physicians to customize treatments. Notably, its gas component boasts an extended lifespan of up to 25,000 shots.



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For international use only

Top-hat beam

Effect and
safe treatment

Two handpieces

Zoom handpiece or
Cartridge handpiece

Two cooling options

Gas cooling or
Air cooling

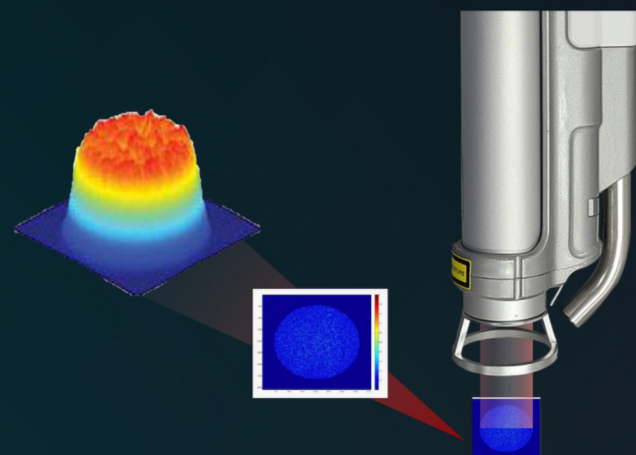
Long-lasting gas

900 gram capacity
Max. 25,000 shots
Refillable

Others

Faster hair removal at 3Hz
Smart protocol
Automatic cooling system
CRYO-ZET

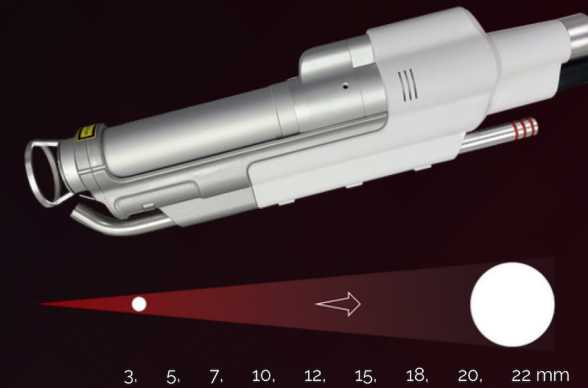
Effect and safe treatment by top-hat beam profile



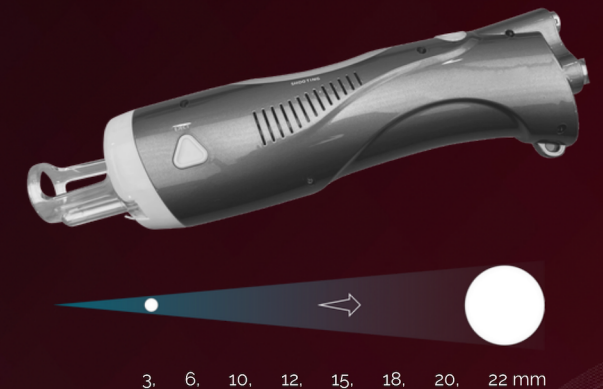
The top-hat beam profile ensures a uniformly distributed energy pattern across the treatment spot size, guaranteeing consistent and predictable outcomes. This uniformity also minimizes the risk of side effects caused by localized hot spots.



Selectable options between two types of handpieces



The zoom handpiece allows for easy spot size adjustment without the need to switch handpiece cartridge. Physicians can swiftly rotate the toggle ring to select their preferred spot size, saving valuable treatment time. Moreover, this eliminates the necessity to purchase numerous handpiece cartridges, resulting in cost savings on investments.



For physicians who are accustomed to using cartridge-typed long-pulsed lasers from different manufacturers and find it more comfortable, opting for a cartridge handpiece over a zoom handpiece is an option.

Two cooling options

Two cooling options are available: the 'Gas-type' and 'Air-type.' Physicians have the flexibility to select either based on their specific requirements for the intended treatment.

