



MT **one**
DIAMOND

DIODE 808NM

**The Ideal Laser
for Hair Removal**

MT One DIAMOND The Ideal Laser System for Hair Removal

MT One DIAMOND is the cutting-edge choice for those who want to introduce laser hair removal in their business. DIAMOND uses highly reliable high-energy Diode laser technology.

It is also intended for less experienced operators, with a user-friendly interface that allows a very fast learning curve.

The DIAMOND diode handpiece allows safe and usable treatments from dark skin types, thanks to the In Moving mode and the integrated Peltier Cell Cooling system, unique in the market to offer 3 cooling levels from 0 to -12°C.

DIAMOND is the ideal laser system for the best performance which combines all the following laser parameters:

- › Appropriate pulse widths - from 10 up 200ms
- › Wavelength 808nm
- › Effective spot size and fluences
- › Cooling (both pre-cooling and parallel cooling)
From 0 °C up to -12°C
(From 32 °F up to 10.4°F)

MT One DIAMOND Diode 8080nm

Diamond is an ULTRA HIGH POWER DIODE for Hair Removal also for DARK SKIN $\geq 800\text{ W}$

The handpiece works in:

Traditional HIGH ENERGY MODE

"IN MOVING" MODE

Working in MOVING means Multi Passing

Advantages

- › Ideal for dark skin types
- › Reliable, no consumables
- › Short learning curve, easily usable by all operators
- › **Ultra High Power Diode 808nm - 2000W**
- › Spot size **1.2 x 1.4 cm = 1.7 cm² / sec**
- › Powerful skin cooler with sapphire guide
- › Repetition rate up to **10 Hz**
- › Fast, treatment speed up to **19 cm²/sec**
- › Pulse width from **10 to 200 ms**
- › Painless treatments
- › Touch Screen 15"



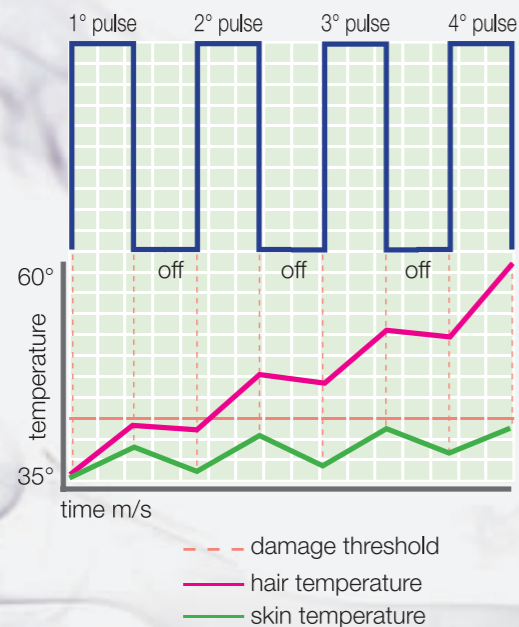
Benefits of DIAMOND

UNIQUE TECHNOLOGIES, ALL IN ONE
RECOMMENDED FOR DARK SKIN

Several technologies have been introduced within Diamond to meet the need for safe hair removal even of dark phototypes.

› **APC Technology: Adaptive Pulse Control** is a unique feature to deliver the energy homogeneously over all the pulse duration, avoiding energy spikes dangerous, especially for the treatment of dark skins. For the best safety and effectiveness, APC works in both single or burst mode (train of pulses). APC maintain stable energy - no peak of energy, no burns.

› **BURST Mode:** helpful when use high doses of energy, to reduce the high impact on the skin. Burst mode divides energy into waveforms and manages them over time to avoid overdosage and skin overheating.



› **IN MOVING Mode:** highly recommended for treatment of hair removal of dark skin. It performs during a fast repetition rate a shorter pulse duration with low fluency and high accumulated energy. So, a procedure really Safe, Fast and Effective on dark people.

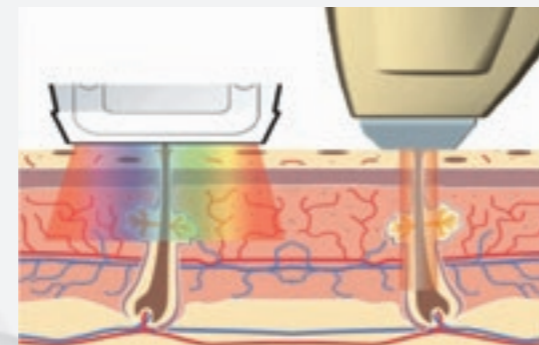
› **SUB ZERO EFFECT:** using integrate Peltier cells, water and air, this cooling system maintains skin temperature under control. It eliminates risk of overdosage energy, increases energy output (most successful), makes the skin less sensitive.

Benefits of working with in moving

- › Faster repetition rate
- › Shorter pulse duration



Low flouence
High accumulated energy



Advantges of exclusive Temperature Control SUB ZERO

- › Eliminates the risk of overdosage energy
- › Increased energy output (most successful)
- › Cancellation the sensitivity
- › Patient compliance

TEMPERATURE CONTROL LEVELS

°C	0	-6	-12
°F	32	21,2	10,4

Handpiece smart technology

- › Ergonomic handpiece
- › Water to air cooling with Peltier cells technology. Long lifetime for flashlamps
- › Large spot size **12x14 mm**
- › High repetition rate for the fastest treatments
- › Easy and ready to be used by any operator

DIAMOND Diode 8080nm

Why choose it?

- › A diode laser with **high power**
- › **Totally painless**
- › Double working mode: **standard & in moving**
- › **No consumables** (gel or oil)
- › Pre-set parameters (**phototype - hair - color**)
- › **Skin protection:** Sub ZeroEffect + large pulse width **10-200 ms**



Clinical results



› BEFORE

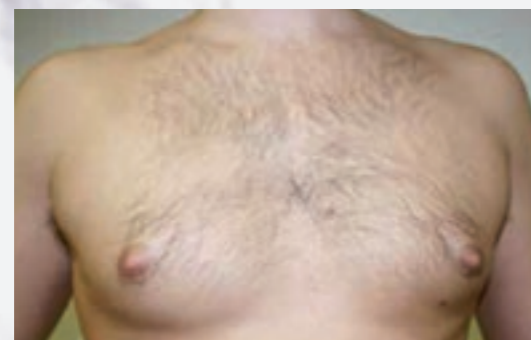


5 sessions. Follow up 12 months
Photo courtesy of: Dr. Anna Maria Aste

› AFTER



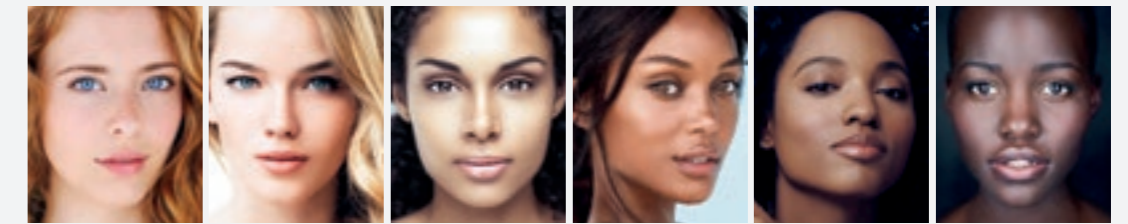
6 sessions. 12 months
Photo courtesy of: Dr. Maximilian Catenacci



6 sessions. Follow up 8 months
Photo courtesy of: Dr. Anna Maria Aste



MT One DIAMOND For all skin and hair types

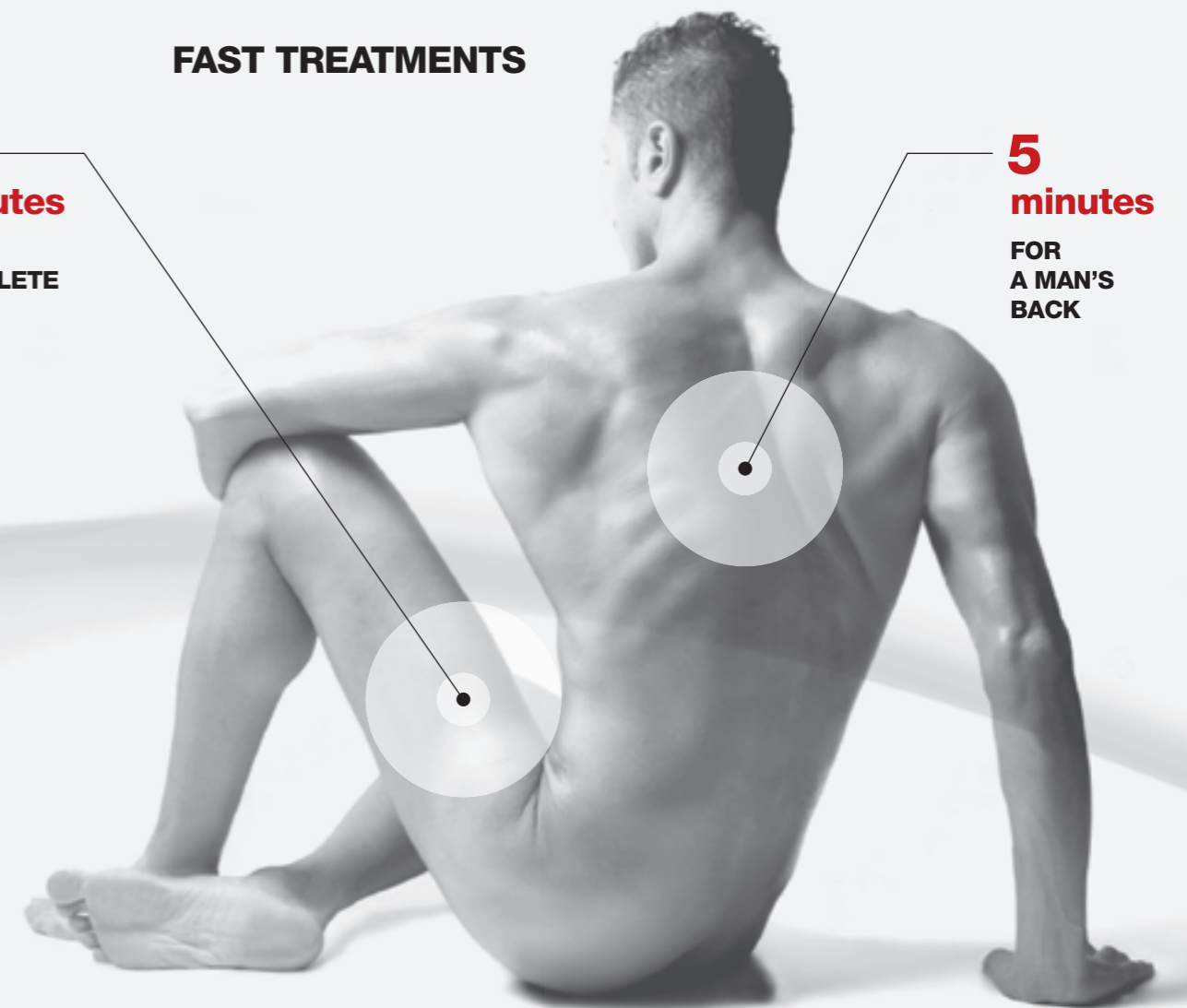


TYPE	HAIR COLOR	SKIN COLOR	EYE COLOR	SUN REACTION
I	Red	Light	Blue-green	Burn, never tan
II	Blonde	Light	Blue	Burn, may tan
III	Brown	Medium	Brown	Burn, then tan
IV	Brown-black	Moderate brown	Brown-black	Tan
V	Black	Dark brown	Dark	Tan
VI	Black	Black (African)	Dark	Tan

FAST TREATMENTS

5 minutes
FOR COMPLETE LEGS

5 minutes
FOR A MAN'S BACK



MT One DIAMOND Specifications



POWER	WAVELENGTH	FLUENCE	PULSE WIDTH	REPETITION RATE	SPOT SIZE	COOLING
2000 W	808 nm	Up to 90 mJ/cm ² Up to 40 mJ/cm ² (for beauticians, in Italy)	From 10 to 200 ms	Up to 10 Hz STANDARD and IN MOVING	12x14 mm = 1.7 cm ² / sec	Integrated Peltier cells Water Air
					5.5 x 5.5 in	0 -6 -12 °C
						32 21.2 10.4 °F

Technical Specifications



Electrical requirements	110-240 V; 50/60 Hz; 1250 VA
Dimensions (W x D x H)	55 x 60 x 43 cm (21,6 x 23,6 x 17 inch)
Weight	25 kg - 55 lb

CE 1370



FDA APPROVAL (K172413)



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