

MANTIS

SCIENCE & TECHNOLOGY



mantisitalia.it

The most effective
solution for **permanent**
progressive hair **removal**

HR 808
Diode Laser



HR 808

Diode Laser

The most effective solution for permanent progressive hair removal

The HR 808 diode laser is your number one ally for permanent hair removal.

HR 808, 100% Made in Italy, represents the international gold standard for laser hair removal, featuring the most innovative and advanced technology.

The HR 808 handpiece is designed to operate with maximum efficiency, successfully combining incredible lightness with maximum output in terms of performance and results.

Moreover, the exclusive Mantis ACS and TMS technology is able to prevent unwanted downtime during treatments, thus guaranteeing maximum efficiency in all conditions.



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Leading-edge technology,
a laser that combines
innovative functions
and a unique design.





INNOVATIVE

The innovation characterising Mantis HR 808 consists in two new systems, ACS and TMS, which guarantee absolute performance in the safest possible conditions.



SAFE

Tests carried out at Mantis laboratories have demonstrated the absence of any short and long-term contraindications.



PAINLESS

The exclusive cooling systems, combined with the possibility to adjust the parameters to suit the treated area, ensure the treatment is not only effective, but also comfortable.



EFFICIENT

HR 808 technology satisfies the most demanding professionals thanks to its excellent results, visible from the very first treatment.



FAST

HR 808 guarantees excellent performance in the shortest possible time.



ECONOMIA

Thanks to the quality and efficacy of our light source, we are able to guarantee the long-term service life of the diode.



How it works

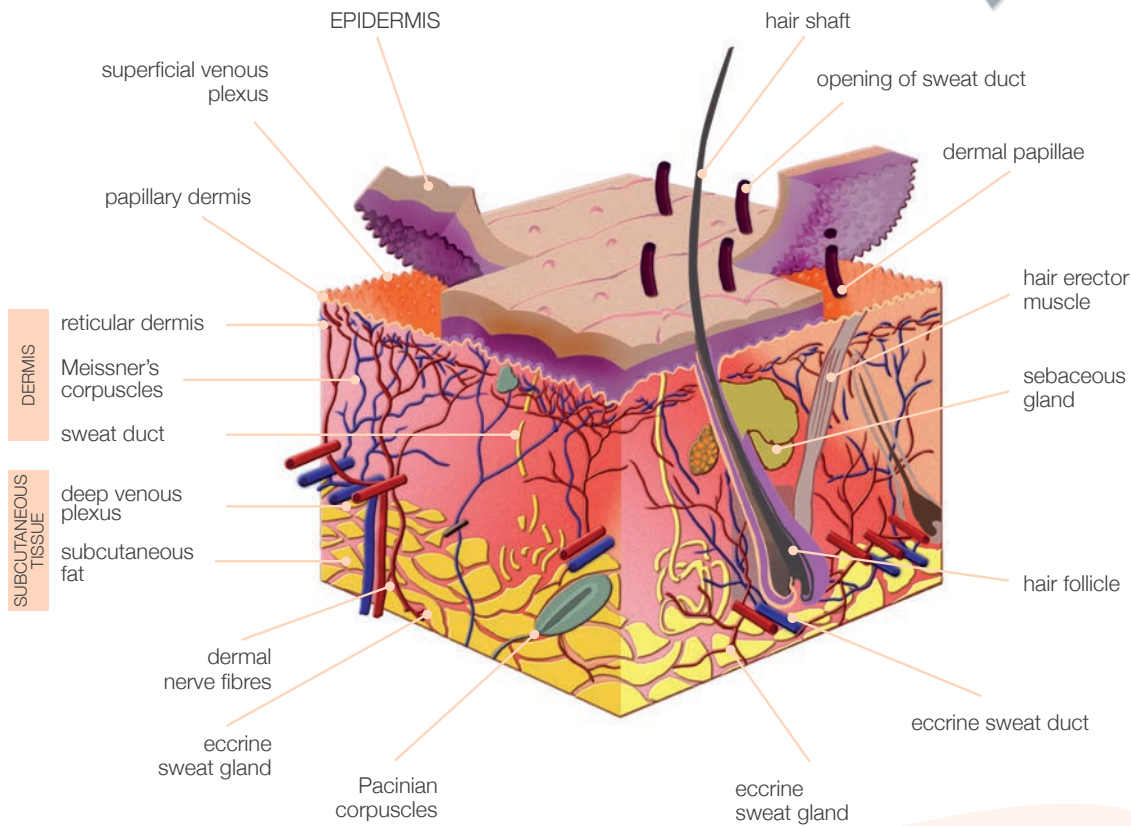
The light emitted by the laser - monochromatic, unidirectional and constant - is absorbed in a hyper-selective manner, and thanks to the selective photothermolysis process, heats the hair bulb, **destroying the germ cells and thus preventing regrowth.**

Cooling system

The Handpiece is **efficiently cooled thanks to the powerful Peltier cell system.** It guarantees maximum comfort, even in the most sensitive areas of the body.

why ACS and TMS are so important





The skin

The laser emission penetrates the upper layers of the skin and transfers its energy to the hair; the energy absorbed by the melanin in the hair is converted into heat, thus damaging the hair follicle.

With Mantis HR 808 it is possible to treat all phototypes at any time of year, without any contraindications.

Our scientific research has allowed us to overcome the limitations of traditional light source technologies and offer treatments with unprecedented results.

New Cooling System

ACS
Active Cooling System

The thermal capacity of the laser source is enhanced by the **ACS - Active Cooling System**, guaranteeing virtually unlimited treatment times and increasing the thermal capacity of the entire laser system.

TMS
Thermal Management System

The software electronically controls the temperature and measures the water flow, thus making it possible to prevent the most common faults that tend to occur in less evolved laser systems.





Safe treatments on all phototypes fast and **painless** results

Mantis HR 808 technology makes it possible to work safely and efficiently on all skin types.

Type 1

White skin
Red or light blonde hair
Numerous freckles



Type 2

White skin
Blonde hair



Type 3

Golden white skin
Dark blonde
or light brown hair



Type 4

Olive skin
Brown hair



Type 5

Dark skin
Dark brown hair



Type 6

Black skin
Black hair

Remote technical assistance

For all its devices, Mantis guarantees remote technical support through an internet connection, and therefore continuous and efficient assistance.



Mantis HR 808: a reliable ally

An increasing number of professionals in the medical/beauty sector are turning to **HR 808, the laser technology by Mantis** that represents a genuine revolution for permanent progressive hair removal.



Teresa Guarino

*Liliana Paduano
Beauty School,
Naples*

“Leading-edge technology, a laser that combines innovative functions and a unique design.

The session is fast and painless, the handpiece ultra-light, but what makes it truly perfect is the innovative cooling system, thanks to which we can perform continuous treatments for long periods without any frustrating downtime.



Prof. Francesco d'Andrea

*IMED
D'Andrea Medical Institute,
Naples*



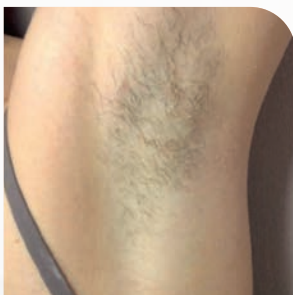
I was amazed by the performance of the HR 808!

It enabled us to immediately offer our patients a laser hair removal treatment in maximum comfort and safety, also thanks to the dynamic cooling system! When your patients know they can rely on best results in maximum comfort, you know you've made the right choice!”

Our results are your success stories!

Clinical trials have confirmed excellent results in the removal of hair in the treated areas.

80% in the first 6 months
90% in the first year



Before



After



Before



After

CARATTERISTICHE TECNICHE

HR 808

Diode Laser



Laser

High power diode

Source

600W - 1200W

Wavelength

808 nm

Beam profile

Homogeneous, flat surface

Fluence

Single shot 5 - 40j/cm² - comfort 6 - 40j/cm² - regular 6 - 40j/cm²

Frequency

Single shot 1hz - comfort 1-6hz - regular shot 1-15hz

Pulse width

10 - 300 ms

Cooling

High capacity gas cooling system

Machine measurements

60 x 60 x 130 cm

Weight

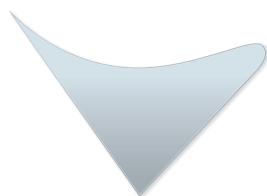
Weight: 50 kg

Electrical connections

220V/50HZ - 110V/60HZ

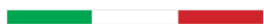
Spot dimensions

10 mm x 12 mm (sapphire)



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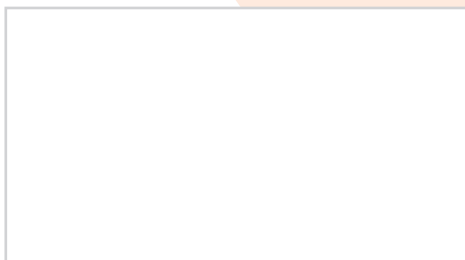
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