



MANTIS

SCIENCE & TECHNOLOGY



[mantisitalia.it](http://mantisitalia.it)

The **evolution** in the field  
of permanent **progressive**  
**hair removal**

trison

3D  
HAIR  
REMOVAL  
[760  
808  
1064  
nm]

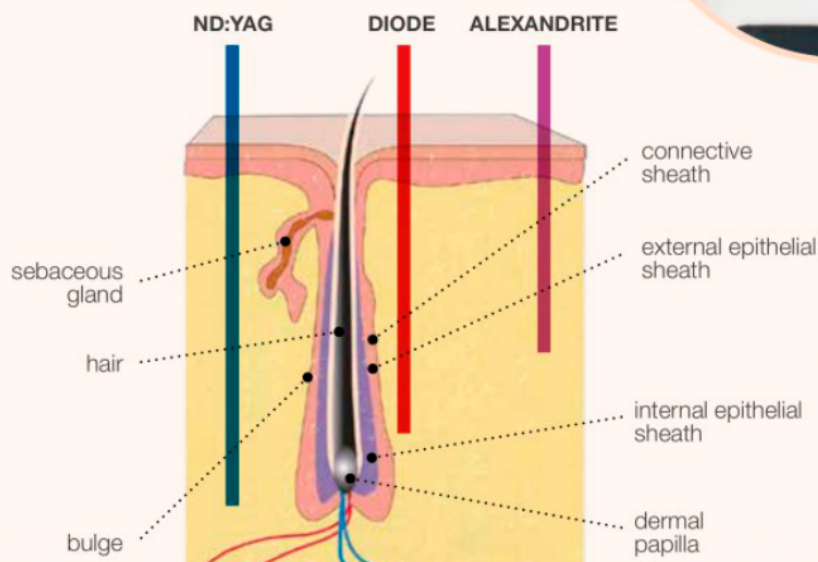
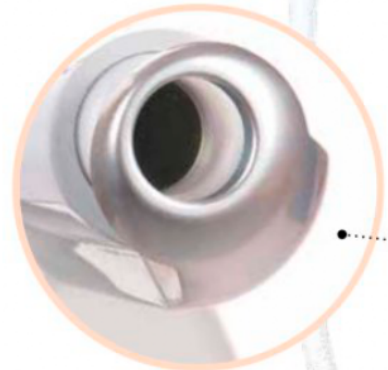




# The **evolution** in the field of permanent progressive hair removal

Mantis research brings you **TRISOM**, the first laser device featuring **three wavelengths able to work together** and **simultaneously** at three different depths, guaranteeing triple effectiveness.

The synergy of the three wavelengths ensures **TRISOM** is able to work on the broadest and most varied skin and hair types, thanks to the ability of the **ALEXANDRITE**, **DIODE** and **ND:YAG** wavelengths to work simultaneously on the hair's anatomy: the **Hair Bulge**, **Bulb** and **Papilla**.





**3D**  
HAIR  
REMOVAL  
[760  
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1064  
nm]

## It works at **three different depths:**

The diode stack is composed of 6 bars with **3 DIFFERENT WAVELENGTHS** that work simultaneously.

**TRISOM** works at three different depths:

**760 nm**

(the Alexandrite wavelength)

**808 nm**

(the typical Diode wavelength)

**1064 nm**

(the Neodymium-doped YAG wavelength)

## Multiwave Technology

- **Diode:** forever used in hair removal, it works deeply, reaching both the Bulge and Bulb. It "moderately" absorbs the melanin and is therefore efficient and safe on all phototypes.
- **Alexandrite:** it works on a broad range of hair types and colours, thanks to its ability to absorb the energy of the melanin chromophore. Its "superficial" wavelength (the shortest of the three) aims to act on the Bulge. It is perfect for treating the broadest range of hair/skin combinations, especially light skin and thin hair.
- **ND:YAG:** this is the wavelength with the deepest action, reaching as far as the hair papilla. Its low melanin absorption makes it ideal for treating dark, tanned skin types.





## Trisom Medical Laser acts **in total respect** of the surrounding tissues

**TRISOM** efficiency, thanks to the liquid optic fibre, is **90% higher with respect to other lasers**. The **uniform distribution** of energy improves **penetration in the follicle area**, while the concentration of the light allows improved performance.



## New Cooling System

Fibra Cool HP handpiece cooling is extremely efficient thanks to the exclusive Peltier cell system, a technology that guarantees constant cooling for high comfort levels, even in the most sensitive areas of the body. The cooling system uses distilled water.



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.



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.







## Liquid optic fibre



### Maxi cooling surface

The contact surface - of no less than 20 mm - allows a larger cooling area for more comfortable treatments.



### Laser pointer

Allows faster viewing of the treated area.



### Lightweight handpiece

The handpiece is practical and convenient. Thanks to the introduction of Fibra Cool HP technology, the handpiece is the lightest on the market\*, while also reducing laser repair and management costs.

\*for high-power diode lasers.



### Life cycle

A long diode life cycle.



*Innovation, technology and an **exclusive design** all combined in a laser **unique to its kind!***

brisom

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## 3 IN 1

It works on the entire skin anatomy thanks to the simultaneous action of 3 wavelengths.



## VERSATILE

Suitable for all phototypes, even tanned skin.



## MULTIUSE

2 operating modes:  
Basic and Professional.



## LIGHTWEIGHT

The lightest handpiece in the world of diode lasers.



## INTUITIVE

Easy and immediate display.



## EFFICIENT

Possibility for use up to 12 Hz.



## Remote technical assistance

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

## Our results are your success stories!

Clinically tested efficiency for the **face** and **body**.

After a few sessions, it is clear that:

- hair growth is slowed
- the overall amount of hair is reduced



Before



After



Before



After



## TECHNICAL FEATURES

**Laser**

Trisom

**Monitor**

10.4" LCD colour touch screen

**Wavelength**

760 – 808 - 1064 nm

**Laser spot**

Ø15 mm

**Nominal application distance**

16 mm

**Energy density**

3 ~ 110J

**Pulse frequency**

1 ~ 12 Hz

**Pulse duration**

5-300 ms

**Beam divergence**

(α) 0.5

**Electrical power model 230V/50Hz**

AC 230V ~ 50 Hz

**Absorption 230V/50Hz**

900 VA

**Electrical power model 110V/60Hz**

AC 110V ~ 60 HZ

**Absorption 110V/60Hz**

1200 VA

**Electrical specifications**

Class: I TYPE: BF

**Measurements**

60 x 60 x 130 cm

**Net weight**

60 Kg

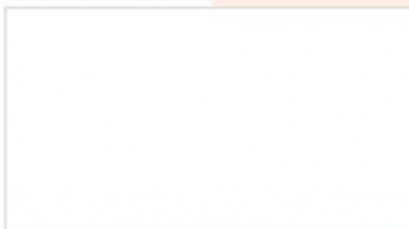
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