

**MEDIC**  
*electrónica*

**U/S MEDIC**

# U/S MEDIC

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## BENEFITS

- U/S MEDIC is a universal equipment with a development oriented toward ultrasound technology, which makes it reach the highest benefit levels in surgery:
    - ▶ NEURAL SURGERY
    - ▶ OPHTHALMOLOGY
    - ▶ GYNECOLOGY
    - ▶ UROLOGY
    - ▶ GASTROENTEROLOGY
    - ▶ PLASTIC SURGERY
  - U/S Medic is an equipment with great qualities for Plastic Surgery uses:
    - ▶ LIPOSUCTION
  - U/S Medic, is an equipment that makes a soft spray, of uniform and powerful disolution. This is one of its most valuable characteristics for those who use it. This features can be obtained thanks to the development achieved in the product, showing its maximum power when needed, getting a performance over 85%.
  - U/S Medic is practical in all its adjustments having them located in an spacious front.
  - U/S Medic shows through an important display the desired adjustments, allowing to monitor at all times.
  - U/S Medic provides a pedal control for more comfort and independence of the professional's hands.
  - U/S Medic has a connection with anchorage and retention triggers avoiding failiure by possible disconnections.
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## U/S Medic description

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The equipment is compound by two different parts, a table part and a portable part. The first part receives the name Driver and its double tuning development, adjusted in the work frequency by the professional, allows the signal applied to the hand piece to be a stabilized signal, continuous and free of every unwanted torsion. The frequency adjustment is done by an additional command contemplating the possible variations in the resonance of the different cannulas and a display (with an accuracy of 3 cycles 1 in 10.000) guarantees an optimal work condition at all times.

For reasons of need and use comfort U/S Medic has its own peristaltic pump, incorporated with an electronic system that allows to regulate its speed. A simple command located in the equipment's front allows to turn it on and adjust the needed suction level.

The second part, the Transducer (hand piece), has a design that allows it to get a performance over 85%, meaning that almost all of the power delivered by the Driver is transformed into ultrasonic action at the tip of the cannula. This has two big advantages:

- Maximum work power
- Minimum overheating

This advantages are very important because with the same power we get more output. The temperature dissipation in the Transducer is minimum, for better use during prolonged time. The power level is precisely adjusted by a command located in the equipment's front, next to it there's a vertical display in leds, which allows constant monitoring of the chosen power in percentage units (%).

The Transducer (hand piece), is provided with a conveniently anchored irrigator, which is completed with a discarded irrigation cannula set.

Among other features the equipment allows to administer an emission time count with six digits set in hours, minutes and seconds, with two operation alternatives, resetable and fixed to be able to see the total work time.

With the purpose of providing the professional with total safety in its operation, the **Driver's** connection, as well as the action pedal, has **anchorage** and **retention triggers** connectors making impossible an accidental disconnection or false contact. Safety is one of the most important aspects in the development of the equipment, foreseeing any bad use and contemplating that the U/S Medic is only used for its emission function if connected to the **transducer** and the **pedal**.

The U/S Medic includes a standard of **all** the necessary elements for the job in a complete kit. The equipment is provided with a solid aluminium case with a security lock that makes its transportation safe and easy.

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# Technical Features

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## DRIVER

Work frequency:	33 kHz
Maximum power:	250 Watts
Control power:	Continuous between 0 y 250 Watts
Power Indicator:	Straight bar of 10 green leds
Syntonny:	Electronic
Frequency Stability:	3 parts ou of 1000
Emission Control:	By a pedal interrupter
Emission Indicator:	Acoustic
Time counter:	reset able LCD display of 6 digits
Suction Pump:	Peristaltic
Suction Control:	Continuous
Connections:	safety anchored connectors
Power Supply:	220VAC (optional 110VAC)
Dimensions:	270 x 270 x 90 mm
Weight:	3.5 Kg. (7,71 pounds)

## TRANSDUCTOR

Operation principle:	By piezoelectric distortion
Construction:	Titanium, steel and hard aluminum
Efficiency:	Over 85%
Cover:	Nylon
Interconnection Cable:	3 meters of cable (118.2 inch - 3.28 yd.)
Cannula:	Made of titanium, detachable
Cannula dimension:	Length 108mm diameter 3mm
Irrigator:	Incorporated
Dimension:	Length 35mm diameter 36mm
Weight:	300 grs.

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## **PROVIDED KIT**

Driver  
Transducer  
Titanium cannula  
Irrigator  
Discarded irrigation cannulas  
Peristaltic Hose  
Operating Pedal  
Adjustment Tools  
Aluminium Case for transportation

## **WARRANTY**

One year, provided by U/S Medic

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# The equipment

