

Estd. 1966



DELIVERING TO THE WORLD

# Radio Frequency Cautery (MODEL NO : IECM 150)



## Radio Frequency Cautery Supplied by Desco Medical India



Decide with Confidence

### Radio Frequency Cautery

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[www.descomedicalindia.com](http://www.descomedicalindia.com)

[www.descoonline.in](http://www.descoonline.in)

#### Specification:-

Radio Frequency Cautery is used as high-frequency electrical current that can be used as either bipolar or monopolar mode (4.0 MHz). The zone of injury is comparable or less than a carbon



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dioxide laser when both are used in appropriate fashion for traditional surgery Radio Frequency Cautery involves the passage of high frequency radio waves(2mhz-Megahertz) through soft tissue to cut, coagulate or remove the tissue. Soft tissue resistance to these radio waves causes the cellular water in the soft tissue to heat, which produces steam, an results in cellular molecular dissolution of individual tissue cells. The surgeon uses a hand piece with an active electrode (different type of electrodes for different applications) to transmit the radio waves. The radio waves are focussed on the tissue by an antenna plate (Patient plate) that is positioned behind the tissue in contact with patient's skin.

Radio surgery in general practise has many advantages over conventional surgical techniques particularly dermatological, plastic and eye lid surgery, ENT ,Dental,quicker operating time,rapid healing,less tissue damage and less post operative discomfort .

Radio frequency Cautery is not to be confused with electro-surgery machine(Surgical Diathermy) spark gap circuitry unit(Electro Cautery Machine) and uses completely new technique compared with scalpal surgery and other techniques and Radio energy does the cutting very light.

A very high frequency radio wave 0.3 - 2 MHz and a ine needle or wire loop electrode which is held by the surgeon, radio energy passes between the cautery electrode and patient plate. It is concentrated at the needle end or wire loop electrode, resulting in the release of energy, which produces steam within the cells, thus vaporizing them and dividing the tissues

Power input 220 volts +-5%

Power consumption 150 Watts

Frequency 2 MHz

Maximum Output

HF Monopolar 150Watts on 400 ohm load

HF Bipolar 100 Watts on 100 ohm load

Fulguration 100 Watts on 1000 ohm.

Size: 8 1/2" X 7 1/2" X 4"

Weight: 3.5 Kgs

Advantages :

Minimum heat with no charring resulting in least tissue damage.

Cutting & fulguration is optional, Minimum blood loss & pain, Shock proof.

Local anaesthesia is not required on the surface of the skin or in superficial procedures.

Sparkless integrated circuit of latest technology for fast and continuous procedures.

Pin point cutting capability.

**More Advantages:**

Increase Revenue, Reduced Stress, Reduced Operating times, Pressure - less Cutting

No Lateral Heat, Micro-smooth incisions



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Increased range of procedure

Learning Radio surgery: With a piece of beef steak, the doctor can practice most radio surgery techniques, including cutting biopsy & coagulation

Various Application of RF cautery for General Surgery :

Adenoidectomy

Laryngeal Disorders

Keloid Surgery

Nasal Polypectomy

Nose Bleeding

Removal Ranula Cyst

Snoring

Tonsil and Adenoid

Tonsil tumor

Wart, Nevus Skin Tumor

Adenoidectomy

Nasal Mucosa

Nasal Polypectomy

Nasal Tumor

Procedure Of Snoring

R.F. of Palate

Tonsillectomy

Turbinate

## Standard Accessories :

Monopolar Handle 1No.

Patient plate 1No.

Electrodes Set 1No.

Foot Switch 1No.

Carrying Case 1No.

Hand Switch 1No.

Bipolar Cable 1No.

Bipolar Forcep 1No.

We are Exporters and Suppliers of Radio Frequency Cautery at wholesale competitive prices from India.

**MODEL NO**

**IECM 150**

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