

Harmonic Scalpel

Technical Specifications of Ultrasonic Cutting and Coagulating Device for Open & Laparoscopic Surgery

- It should have an ultrasonic generator with a frequency of 55.5 kHz, capable of incising tissue and providing haemostasis with minimal thermal injury.
- The generator should be compatible with the 5 mm Curved Coagulating Shears, 360° rotatable, capable of sealing blood vessels up to 5mm diameter, with integrated bilateral hand control to enable precise operation of system by hand.
- The generator should have facility to connect two double pedal foot switches if required.
- It should have the facility of rotating hand switch adapter with integrated bilateral switches to enable precise operation of system by hand for hooks and blades.
- It should not have auto switch-off mechanism.
- It should have system diagnostics and trouble shooting guide to pinpoint and resolve alert/alarm conditions.
- It should have a well-equipped Service Center in India.
- The equipment should have the installation of 25 units in Government Institutions.
- Onsite demo should be provided on user's demand
- The equipment should be CE/FDA approved.

- It should comprise of

Hardware:

- 1 Generator – 1pc
- 2 Footswitch & Cable – 1pc
- 3 Cart-1Pc

Accessories:

- 1 Handpiece (Transducer) – 1 pc
- 2 Handpiece (Blue) – 1 pc

Open Surgery Instruments:

1. 9cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions
2. 17cm shaft, curved, tapered tip for precise dissection, seals 5 mm vessels, as well as lymphatic with 16 mm active blade & 240-degree activation, triggers support multiple hand positions

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3. Hand Activated Straight Coagulating Shears with cylindrical active blade capable of sealing blood vessels upto 5mm in diameter with 18mm active blade, 18 cm shaft length Scissor Grip

Laparoscopic Surgery Instruments:

1. 5mm Lap Hand Activated Curved Coagulating Shears capable of sealing blood vessels upto 5mm in diameter, 36 cm shaft length, ergonomic handle.

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