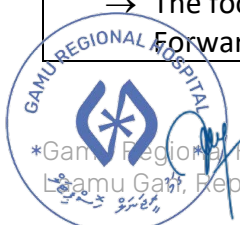


ARTHROSCOPY SYSTEM

Product Description	Required Quantity
Arthroscopic Resection Shaver System	1 no's

<p>Arthroscopic Resection Shaver System (The Shaver system should comprise of Controller Console, Shaver Hand-piece, and Foot pedal)</p> <p>Controller Unit:</p> <ul style="list-style-type: none"> → The Controller console should have receptacles for both Shaver handpiece, Foot Pedal, and other powered instrumentation. → The console screen should capture all information pertaining to minimum, maximum and set speeds for installed blade type; horizontal bar graph of blade speed relative to range; blade direction; diagnostic information. → Should provide control for momentary push switches for increasing and decreasing speed setting. The Unit should have 2 Modes for Normal and Aggressive Resection to balance efficacy with safety. → The Console should provide variable rpm ranging between 100rpm to 10,000 rpm as per the blade or burs used. → The Motor should offer Forward, Reverse and Oscillation Mode for Resection. <p>Shaver Hand Piece</p> <ul style="list-style-type: none"> → The autoclavable shaver hand piece, which is compact, lightweight, and ergonomically designed, with hand control. → The connecting cable should be autoclavable and replaceable with a length of approx. 10Ft. → The hand piece should not be more than 8 Inches length and 460gms. → The hand piece should have suction control lever. → The Shaver Hand piece should have safety mechanism of Blade Window Lock to avoid any unintentional tissue damages on pull out. → The Safety feature for window locking should be accessible and controllable from shaver handpiece. → The Shaver hand piece should have push-button motor controls: Forward, Reverse Oscillate, and Blade and Window Lock. → The Shaver should offer Maximum torque is not less than 32oz.in → The shaver should be supplied with compatible shaver sterilization case. → The Shaver should be able to use any electro Blades, if desired. → Input voltage of 100 to 240V, 50/60 Hz power consumption not more than 350VA. <p>Foot Pedal:</p> <ul style="list-style-type: none"> → The variable speed foot pedal should be sturdy with a long connecting cable. → The foot pedal controls should include three standard operating modes, such as Forward, Reverse and Oscillation.



→ The foot pedal should offer a blade window locking mode for enhanced safety during withdrawal of hand piece from joint space with blade mounted.

POWER SUPPLY REQUIREMENT

→ Power input to be 220-240 VAC, 50Hz fitted with UK Plug.

SAFETY, STANDARD AND TRAINING

- All applicable system should be under class-1 and type BF.
- Manufacturers should have ISO certification for quality standard.
- Comprehensive training for operators and service training for In-house biomedical engineers is mandatory.
- On-site comprehensive warranty for 2 years.
- The availability of spare parts and all other accessories must be for 10 years.

DOCUMENTATION

- User/Technical/maintenance manual to be supplied in English.
- Certificate of calibration and inspection should be submitted.

ADDITIONAL CONDITIONS

- Any other essential hardware/software/items required to make all above things functional should be quoted, otherwise it will be treated that same will be supplied free of cost.
- All products shall be same manufacturer & should be US FDA or European CE Approved
- An original catalogue with detailed literature should be provided.
- A manufacturer or authorized supplier should install and successfully demonstrate the unit.
- An authorization letter should be submitted.



Instrument and Telescopes for Arthroscopy system

Technical Specification

Item Description	Qty
Wide Angle Forward -Oblique Telescope 30degree /Diameter 4mm, length 18cm, autoclavable, Fiber optic light transmission incorporated Colour code: Red	1
Forward -Oblique Telescope 30degree /Diameter 2.7mm, length 11cm, autoclavable, Fiber optic light transmission incorporated Colour code: Red	1
Wide Angle Lateral Telescope 70degree , enlarged view /Diameter 4mm, length 18cm, autoclavable, Fiber optic light transmission incorporated Colour code: Yellow	1
High-Flow arthroscope sheath , with snap in coupling mechanism, diameter:6mm, working length 13.5cm, distal tapered with irrigation holes, two stopcocks, rotatable, compatible with telescopes 0/30/70 degrees and obturators Colour code: Red	2
Obturator : blunt, should be compatible with Arthroscope sheaths	2
Arthroscope Sheath , with snap in coupling mechanism, diameter:4mm, working length 7.5cm, two stopcocks, rotatable, compatible with telescopes 30degree and obturator	1
Obturator : blunt, should be compatible with Arthroscope sheaths Colour code: Green-red-yellow	1
Punches : through-cutting, cross-toothed, cutting width: 3.4mm, straight jaws, sheath diameter: 3.5mm, straight, handle with cleaning connector, working length:12cm	1
Punches : through-cutting, cross-toothed, cutting width: 3.4mm, straight jaws, sheath diameter: 3mm, 30°curved to right, handle with cleaning connector, working length:12cm	1
Punches : through-cutting, cross-toothed, cutting width: 3.4mm, straight jaws, sheath diameter: 3mm, 30°curved to left, handle with cleaning connector, working length:12cm	1
Scissors : straight jaws, sheath diameter 3.5mm, straight, handle with cleaning connector, working length: 14cm	1
Punches : through-cutting, cross-toothed, cutting width: 3.4mm, curved jaws, 90° right, sheath diameter 3mm, straight, handle with cleaning connector, working length:12cm	1
Punches : through-cutting, cross-toothed, cutting width: 3.4mm, curved jaws, 90° left, sheath diameter 3mm, straight, handle with cleaning connector, working length:12cm	1

Arthroscopic backbiter: backward cutting, cross-toothed, cutting width 3.4mm, straight jaws, sheath diameter 3mm, straight, handle with cleaning connector, working length:12cm	1
Grasping Forceps: Straight jaws, Sheath diameter 3.5mm, Straight, handle with cleaning connector, working length:12cm	1
Probe: graduated, Length of hook 4mm, diameter 1.5mm, Working length 12cm	1
Plastic Container for sterilization and storage: perforated with transparent lid, should accommodate at least 10 instruments with working length up-to 36cm approximate external Dimensions: (WxDxH):585*255*145	1

