

## **ARTHROSCOPY SET**

### **Single Chip Arthroscopic Video Camera 01**

- Resolution more than 500 horizontal lines.
- Illumination 1.5 lux.
- 1.5X digital zoom in/out control on camera head.
- White balance on the camera head.
- Zoom in out on the camera head
- Should have long lead for camera 7feet min.
- Compatible Medical grade monitor

### **Fully automatic light source with fibrotic cable 01**

- should have 300 watt Xenon bulb.
- Should have both manual and automatic operation.
- Fibre optical cable should have min. 7.5 feet length

### **Arthroscopes 01**

For knee and shoulder

30 degree autoclavable (one knee one shoulder)

70 degree autocavable

#### **Should have**

- Wide field of view.
- Optics flush to distal tip.
- Light in weight and working length more than 130 mm.
- Inflow cannula compatible with scope with dual speed lock.

### **Rotatable Cannula and blunt obturator 01**

Small joint scopy

One arthroscope with compatible inflow cannula and obturator

Shaver System (one complete Unit with following)

Control Console unit

- Should have software upgradable provision.
- Should have touch screen display control for incorporating malfunctioning into systems.
- Supply 220-240 V
- Should be able to identify different handpieces with display on console.
- Should have function of controlling brightness, contrast and alarm volumes on the console.
- Ability to accept – two hand pieces simultaneously is preferable.
- Torque sensing feedback capability.
- Oscillating forward and backward drive mode in the shaver.

ACL reconstruction Set with regular interlocking pegs on femoral side Footswitch

- Should have fully programmable footswitch as per user need.
- User should be able to control following functions via footswitch.

Capability of forward/reverse/oscillation mode.

Ability to switch over to high/low speed.

Shaver hand piece

- Attainable speed 9000-12000 rpm. Feedback circuitry to maintain required speed and torque.
- DC brushless motor.
- Flash autoclavable.
- Tool less mounting attachments.
- Suction control on the hand pieces.
- Should have forward, Oscillating and reverse mode.

**Saw and drill hand piece for wire driver, drill, reamer and oscillating saw attachments with appropriate attachment.**

## **Arthroscopic Mannual instruments**

### **For large joints 3.4 mm diameter**

- Grasper with alligator jaws for knee and shoulder 01
- Big bite basket forceps (St.) for knee 01
- Meniscal knife (reusable) hook st. ratchet 01
- Big bite punch rigid and left 01

### **For Small joints 2.0mm diameter**

- Small joint punch 01
- Small joint grasper 01
- Small joint scissors 01

Thermal radiofrequency device with suction and foot switch 01

- Max. 400 watt
- Hand control on probes
- Probes for suction ablation cutting and joints.
- Preferably should have probes bending facility

Probe as applicable.