

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.