



# ELECTRO SURGICAL UNIT CATALOGUE

**2023-24**





# ABOUT US



Advent Surgical is a renowned supplier of hospital equipment in Purnea, Bihar. We are dedicated to providing high-quality hospital furniture, modular operating theaters, and state-of-the-art operating room equipment. With our comprehensive range of products, we strive to create efficient and functional healthcare environments that meet the evolving needs of modern medical facilities. Our Hospital Furniture collection is designed to offer comfort, durability, and versatility. We understand the importance of creating a conducive atmosphere for patients and healthcare professionals alike. Our furniture includes patient beds, examination tables, medical cabinets, and ergonomic seating options, all crafted with precision and attention to detail.

For advanced surgical settings, our Modular Operating Theaters are designed to optimize workflow and enhance patient outcomes. We offer customizable solutions that can be tailored to fit any space, ensuring efficient utilization of resources. Our modular theaters are equipped with advanced features such as laminar airflow systems, HEPA filters, and integrated lighting, creating a sterile and safe environment for surgical procedures.

To complement our modular theaters, we provide a comprehensive range of Operating Room Equipment. From surgical lights and tables to anesthesia machines and surgical instruments, our equipment is sourced from trusted manufacturers known for their reliability and performance. We aim to provide healthcare professionals with the tools they need to deliver exceptional patient care and achieve optimal surgical outcomes.

At Advent Surgical, we prioritize customer satisfaction and strive to exceed expectations in every aspect of our business. Our team of experienced professionals is committed to delivering exceptional service, from product selection and installation to ongoing support and maintenance.

We believe in the power of innovation and continuous improvement. As technology advances and healthcare practices evolve, we stay at the forefront of the industry, regularly updating our product offerings to incorporate the latest advancements. Our commitment to excellence drives us to provide cutting-edge solutions that enhance healthcare delivery and improve patient experiences.

Whether you are setting up a new hospital, expanding an existing facility, or upgrading your operating theater, Advent Surgical is your trusted partner. Contact us today to explore our comprehensive range of hospital furniture, modular operating theaters, and operating room equipment. Together, let's shape the future of healthcare environments for better patient outcomes.

## Our Clients





# OT TABLE



## SUPER DELUXE OPERATING TABLE (AS 2001)



### TECHNICAL DATA

Overall Length of the table	1950mm.
Overall Width of the table	530mm.
Minimum Height of the table	780mm.
Maximum Height of the table	1030mm.
Trendlenburg/Reverse	30 degree
Flex/Reflex	80 degree/220 degree
Side Tilt	22 degree
Kidney Section	125mm (manually)
Leg Plate	90 degree down
Hi-low Lift	Hydraulic

### STANDARD ACCESSORIES

Five section Mattress	1 Set
Anesthetist Screen	1 Nos.
Padded Shoulder Support	2 Nos.
Padded Lateral Support	2 Nos.
Padded Lithotomic Crutches	2 Nos.
Padded Arm Rest	2 Nos.
Drive Handle	1 Nos.

## C - ARM COMPATIBLE OT ELECTRICALLY & MANUALLY OPERATED (AS 2002)

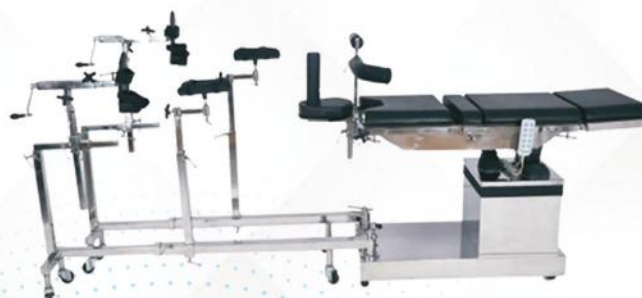
### Salient Features:

- 100% Life Saving due to low voltage Electricity Supply.
- Offline Battery Back-Up.
- 800 lb. weight capacity.
- Full Table Functions, Full Articulation Capability.
- Full Body imaging without special accessories.
- Durable one-touch pendant control.
- Casters lockable with single action brake.
- All stainless steel accessories.
- Electrically Controlled Height, Trendelenburg / Reverse, Lateral Tilt.
- Radiolucent table top.
- Support on a heavy base column covered with stainless steel sheet.



## MANUAL HYDRAULIC OT TABLE WITH ORTHOPEDIC ATTACHMENT (AS 2003)

Orthopedic Attachment is a flexible, easily operable instrument for ORTHOPEDIC SURGERY. The attachment allows the positioning of the extremity as required in regard to the surgery practice and therefore is especially adapted to ensure safe and efficient.

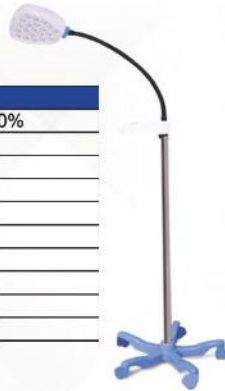


# OT LIGHT



## LED-7 ADJUSTABLE EXAMINATION LIGHT (AS 2004)

TECHNICAL DATA	
INTENSITY	40000 LUX + -10%
SIZE OF LIGHT FIELD	12 – 30 CM
COLOUR TEMPERATURE	4800 K
COLOUR REDUCTION INDEX	93 RA
LED LIFE	50000 HRS.
NUMBER OF LED	21
DIAMETRES OF LIGHT	150 MM
POWER SUPPLY	220V/50 Hz AC
FOCUSING	ADJUSTABLE
BATTERY BACKUP	OPTIONAL



## LED-7 ADJUSTABLE EXAMINATION LIGHT (AS 2005)



### Technical Details :

Max Light Intensity(@1m): 140,000+140,000 Lux

Dimming Range: 10% to 100%

Field Diameter (Spot): 100-150 mm

Diameter Of Dome: 650 mm+650 mm

No. of LEDs: 48+48 (White+Yellow)

Focusing: Adjustable

LED Life Time: 50000 Hrs.

CRI: >93

Variable Colour Temperature: 3,800-4,800 K

Depth Of Illumination: 120 cm

Power Consumption: 50 Watt

Power Supply: 220V/50 Hz AC

Temp.Rise At surgeon's Head: <1°C

Remote+Digital Controller: Included

## CRYSTEL 30 MOBILE LIGHT (AS 2006)

### Technical Data

Light intensity: 30000 Lux-160000 Lux

Dome Size: 700mm

LED life Span: 50000 hours

Balance arm rotate up and down: up 400,

Down: 400degree

Light body rotate around light arm: 1800

Facula Diameter: 10-280mm

Bulb Power: 32V LED Used 5W

Illumination Depth: 700mm

Handle: Sterilizable Handle

Light intensity at a distance of 1m9lx: 10 set

Color temperature (K): 5000 ± 10%

Color rendering index Ra: 96

Color rendering R9: 96

Luminous efficacy (1m/W): 130/W

No. LEDs: Single Dome-30 LEDs

Light field adjustable-freely.

Zero IR and Zero UV radiation

Light intensity adjustment: 10 Step

Parabolic design with shadow-free lighting [Lens System] [Multiple Reflector]

Closed system with smooth surfaces that can be sterilized by cleaning agents.

Made from fiber dome/Aluminium

Back up battery working capacity: 2-3 hours

Light control: adjustable the luminance according to 10 grade

Max head height: 2.00m





# OT LIGHT



## DOUBLE DOME LET O.T LIGHT (AS 2007)



ASTRO 500+500 48 LED  
Intensity: 1,80,000 Lux  
Shadowless Feature: Yes  
Number of LED's: 48  
Intensity Control: 10~100 Digital Capacitive Feather Touch (Fully Remote Controlled)  
Fitting Options Available: Ceiling 180 Degree, Ceiling 360 Degree, Mobile, Wall Mounted  
Spot Diameter: 200-500 mm  
Depth of Light Penetration: 150 mm  
Colour Temperature: 3800-4800 K  
Colour Rendering Index: 95 Ra  
Focusing: Adjustable  
LED Average life: >50000 Hrs.  
Diameter of Light: 700 mm  
Power Supply: 220V/50Hz AC  
Power Consumption: 100 Watt  
Optional Special Features: Battery Backup

## SINGLE DOME LED O.T LIGHT (AS 2008)



ASTRO 500 48 LED  
Intensity: 1,80,000 Lux  
Shadowless Feature: Yes  
Number of LED's: 48  
Intensity Control: 10~100 Digital Capacitive Feather Touch (Fully Remote Controlled)  
Fitting Options Available: Ceiling 180 Degree, Ceiling 360 Degree, Mobile, Wall Mounted  
Spot Diameter: 200-500 mm  
Depth of Light Penetration: 150 mm  
Colour Temperature: 3800-4800 K  
Colour Rendering Index: 95 Ra  
Focusing: Adjustable  
LED Average life: >50000 Hrs.  
Diameter of Light: 700 mm  
Power Supply: 220V/50Hz AC  
Power Consumption: 100 Watt  
Optional Special Features: Battery Backup

## KRISTAL 48 4 REFLECTOR (AS 2009)



Technical Data  
Intensity: 1,60,000 Lux  
Shadowless Feature: Yes  
Number of LED's: 48  
Intensity Control: 10~100 Digital Capacitive Feather Touch (Fully Remote Controlled)  
Fitting Options Available: Ceiling 180 Degree, Ceiling 360 Degree, Mobile, Wall Mounted  
Spot Diameter: 150-200 mm  
Depth of Light Penetration: 120 mm  
Colour Temperature: 3800-4800 K  
Colour Rendering Index: 95 Ra  
Focusing: Adjustable  
LED Average life: >50000 Hrs.  
Diameter of Light: 700 mm  
Power Supply: 220V/50Hz AC  
Power Consumption: 100 Watt  
Optional Special Features: Battery Backup



# ANESTHESIA MACHINE



## CLASSIC BASIC MK-IV WITH STANDARD FEATURES (AS 2010)



### Specification

Mild Steel Powder-Coated Fully compact Trolley  
Stainless Steel table top tray  
Six Cylinder Capacity, Two O<sub>2</sub> & Two NO<sub>2</sub> 5 ltr  
Water Capacity and Two 10 ltr  
Water Capacity Cylinder at rear  
Standard Two-Tube Rotameter (230mm long )  
for O<sub>2</sub> & NO<sub>2</sub>  
Goldman type Extra Vaporizers  
Space for Two Extra Vaporisers  
NO<sub>2</sub> Interlocking  
Oxygen Failure Warning Device  
Pressure Relief cum Non-return Valve  
Changeover Unit with Emergency O<sub>2</sub> Flush  
Standard Magill's Breathing Circuit  
4" dia breaking castor wheels ABS  
Oxygen and Nitrous Oxide gas inlet point  
3 nos each 230mm long R/M tube for O<sub>2</sub> & NO<sub>2</sub>  
with Hypoxia Guard Rubber components antistatic tested  
Provision for – Tec Vaporizer & 10 Liter w/c cylinder carrier.  
Forged Regulators and Yoke Assembly  
Self-Sealing type O<sub>2</sub> Outlet at 60 psig  
Optional Circle absorber

## CLASSIC PORTABLE WITH STANDARD FEATURES (AS 2011)

### Specification

Mild Steel Powder-Coated Trolley on Castors  
Three Cylinder Capacity, Two O<sub>2</sub> & Two NO<sub>2</sub>  
(10 ltr Water Capacity O<sub>2</sub> Cylinder Career)  
Standard Two-Tube Rotameter (230mm long ) for O<sub>2</sub>  
& NO<sub>2</sub>  
Goldman type Halothane Vaporisers  
NO<sub>2</sub> Interlocking  
Oxygen Failure Warning Device  
Pressure Relief cum Non-return Valve with Emergency  
O<sub>2</sub> Flush  
Standard Magill's Breathing Circuit  
Forged Regulators  
Optional Circle absorber  
Also available in S.S Structure

### CLASSIC PORTABLE

Optional  
(Hypoxia Guard Deice & Circle absorber)





# ANESTHESIA MACHINE



## CLASSIC BASIC MK-IV WITH STANDARD FEATURES (AS 2012)



### Specification

Mild Steel Powder-Coated Trolley or Compact Cover on Castors with Brake  
Stainless Steel table top tray  
Six Cylinder Capacity, Two O<sub>2</sub> & Two NO<sub>2</sub>, 5 ltr Water Capacity and Two 10 ltr Water Capacity Cylinder at rear  
Standard Two-Tube Rotameter (230mm long ) for O<sub>2</sub> & NO<sub>2</sub> Goldman type Extra Vaporizers  
Space for Two Extra Vaporisers  
NO Interlocking  
5" dia breaking caster wheels  
Oxygen Failure Warning Device  
Pressure Relief cum Non-return Valve  
Changeover Unit with Emergency O<sub>2</sub> Flush  
Standard Magill's Breathing Circuit  
Rubber components antistatic tested  
Forged Regulators and Yoke Assembly  
Self-Sealing type O<sub>2</sub> Outlet at 60 psig  
Oxygen outlet for driving ventilator (Double manifold)  
230mm long R/M Tube O<sub>2</sub> & NO<sub>2</sub> with Hypoxia Guard  
Provision for – Tec Vaporizer & 10 Liter w/c cylinder carrier  
Optional Circle absorber  
Two central gas pipe line provision for (O<sub>2</sub> & NO<sub>2</sub> one number each at rear side)

## CLASSIC BASIC - ECO WITH STANDARD FEATURES (AS 2013)

### Specification

Mild Steel Powder-Coated Trolley on Castors with Brake  
Six Cylinder Capacity, Two O<sub>2</sub> & Two NO<sub>2</sub>, 5 ltr Water Capacity and Two 10 ltr Water Capacity Cylinder at rear  
Standard Two-Tube Rotameter (230mm long ) for O<sub>2</sub> & NO<sub>2</sub>  
Goldman type Extra Vaporizers  
Space for Two Extra Vaporisers  
NO Interlocking  
Oxygen Failure Warning Device  
Pressure Relief cum Non-return Valve  
Changeover Unit with Emergency O<sub>2</sub> Flush  
Standard Magill's Breathing Circuit  
Input Regulators and Yoke Assembly  
Self-Sealing type O<sub>2</sub> Outlet at 60 psig  
Optional Circle absorber





# MONITOR



## 12 PREMIUM (AS 2014)



### Features:

#### Application Range

- Adult/pediatric/Neonatal/Medicine/Surgery
- Operating Room/ICU/CCU

#### Display

- 12.1" real color TFT screen
- Resolution: 800\*600
- One alarm indicator (yellow/red)
- One Working indicator (green)
- One battery charge state indicator (green)
- Three modes in accordance with the alarm state

### Configuration:

- Power Requirements
- AC: 100-240V, 50Hz/60 Hz
- DC: Built-in rechargeable battery
- Battery: 400mA 11.1V lithium battery
- 2hoperatingafter full charge one piece )
- 5 min operating after low battery alarm

### Dimension and weight Equipment:

305 mmX160mmX287mm; 3.8kg

### Package:

380 mm X 350mmX300mm;6.1kg

## FETAL MONITOR (AS 2015)

### Features

- 7" wide TFT color LCD Display.
- Upto 150 patients data saving.
- Fetal heart sound play and record in PC.
- Rotating Screen.
- Multiple language support.
- Built- in quick guide (LCD Type).
- Waterproof probe.



## 3 PARA MONITOR (AS 2016)



### Specification

Display Type with 2.8" (320×240) color TFT LCD and red and yellow highlight LED. Resolution Readings Displayed Pulse Rates Other Indicators Unique Flash memory, storage for up to 2000 NIBP data and 78000 SpO2 data, CMS-5100 Pulse Oximeter With NIBP



# FETAL MONITOR



## ECG 100 SINGLE (AS 2017)



### Features:

- Display: Foldable 10.4" colour LED
- Rotatable Screen to 60o
- In built Rechargeable battery with Approx. 2 hours battery backup
- FHR 120 - 160 bpm normal range label
- Manual Records Fetal movement
- Sound and colour remind users of high and low fetal heart rate
- Continuous 24hrs real time monitoring function
- Continuous 12hrs patient curve and data storage, playback and print
- With picture freeze function
- 9 crystal broadband pulsed wave transducer
- Extra long life, high resolution built in thermal recorder
- Built in 2 rechargeable batteries insure that could still working normally for two hours after the power supply breaks off



## WIRELESS FETAL MONITOR (AS 2018)



### WIRELESS PROBE OPTIONAL



Measurement of fetal heart rate



Wireless network connection



Alarm function



TFT display screen



Clinical event marking button



# FOETEL DOPPLER



## FOETEL DOPPLER (AS 2017)



### Description

- Handheld Fetal Doppler with LCD screen
- 2.5MHz waterproof Probe
- Assures accurate FHR detection with clear sound
- In-built rechargeable Li-ion battery
- In-built speaker and head-phone socket

## FOETEL DOPPLER (AS 2018)

### Description

- 2-inch color display
- 2.5MHz High Sensitivity Probe
- Dual Display Mode: FHR Curve display (Waveform) & Big Font mode
- Visual Alarm Indicator
- IP22 Ingress Protection
- In-built rechargeable Li-ion battery - Micro USB charger
- In-built speaker and head-phone socket





# ICU PRODUCT



## SYRING PUMP (AS 2019)



### Product Specifications

Display	2.8 inch Color LCD
Syringes	5ml, 10ml, 20ml, 30ml & 50/60ml.
Infusion Modes	Rate Mode, Time Mode and Drug/Weight Mode
Time/Volume Mode	Volume: 9999.9ml, Time: 99:59:59
Drug/weight Mode	Body weight: 0.1-300 kg, Drug Amount 0.01ug-999g Solution Volume 0.1-999.9 ml Dose: 0.01-99.99 (subject to the unit)
Flow Rate Range	5ml : 0.1ml/h-150ml/h; 10ml : 0.1ml/h-300ml/h; 20ml : 0.1ml/h-600ml/h; 30ml : 0.1ml/h-900ml/h; 50ml/60 ml : 0.1ml/h-1200ml/h
Flow Rate Step	0.1ml/h
Flow Rate Accuracy	within ±2%
Volume Limit	0.1-9999.9 ml
BOLUS Rate	5ml : 10ml/h-150ml/h; 10ml : 10ml/h-300ml/h; 20ml : 10ml/h-600ml/h; 30ml : 10ml/h-900ml/h; 50ml/60ml : 10ml/h-1200ml/h
BOLUS Accuracy	±2% (after calibration)
Purge Rate	5ml : 150ml/h; 10ml : 300ml/h; 20ml : 600ml/h; 30ml : 900ml/h; 50ml/60ml : 1200ml/h
KVO	0.1-5ml/h (after injection)
Occlusion Level	3 -level sensitivities setting
Audio & Visual Alarm	Clamp Err, Putter Err, Finished KVO, Near Empty, EMPTY, Occlusion, Low Battery, Power OFF etc.
Power Supply	100V-240V AC. 50Hz/60Hz
Battery Type	Internal rechargeable Ni-MH DC12V 2000mAh
Battery Backup	8 hours at 5ml/hr after fully recharged
Classification	Class I, CF, IPX2
Dimensions	305mm(L) X 130mm(B) X 108mm(H) ( handgrip and clamp excluded)
Weight	1.9Kg Approx.
Operational Conditions	Temperature: +5°C - +40°C Relative Humidity ≤80% Atmospheric Pressure 70KPa - 106Kpa
Storage & Transportation Conditions	Temperature: -22°C - +55°C Relative Humidity : 10% - 90% Atmospheric Pressure 70KPa - 106Kpa

## BIPAP MACHINE (AS 2020)

The BMC RESmart GII BiPAP is a BiPAP machine that helps people who have trouble breathing. It can be used in the hospital or at home. The machine quickly adapts to the user's needs for better synchronization. Few of the best features of Y30T are -

- It has a 3.5-inch color LCD screen to display important parameter information in real time
- Advanced features- It has smart features like delay time, leakage compensation, Reslex and auto on/off
- It has leakage compensation feature that provides essential volume support. Ti Control, I/E Sense and ramp time promises better ventilation
- BMC GII is equipped with iCode data management system, you can get the Compliance data by QR code
- The machine comes with heated humidifier. The humidification feature utilizes eco smart heating technology, which enables efficient district heating, reduces energy consumption and optimizes the humidification effect





# VENTILATOR



## PORTABLE EMERGENCY VENTILATOR (AS 2021)

### Specification

Portable ventilator CWH2010 supports reliable performance in daily challenge of saving peoples lives, no matter where the calls take you. he CWH2010 delivery the emergency transport with multi functional usage to the patients wherever requires the emergency a helps. parameters set in one step makes every single process in easy way.

Operating Panel: English (Standard)

Drive: Gas driven

Operating: Electronically controlled

Application: Applied for child and adult. Used for respiratory depression, respiratory paralysis and failure of emergency rescue. Available in vehicle or portable stretcher.

Display: LCD

Gas source: Pure air or Oxygen

Ventilation mode: IPPV, SIMV, A/C, SIGH, MANUAL, CPAP (optional)

Tidal volume: 0~1500ml I:E : 3:1~1:5

Breathing rate: 4-99/min, 4-65/min under SIMV

FiO2: 48%~100%

Pressure trigger sensitivity: -2~0kPa , PEEP 0-20cm H2O (optional)

Monitoring Parameters: Tidal volume, Minute volume, Breathing rate, Airway pressure

Alarms: No VT, MV too high (low), Airway pressure too high(low), AC power off, back-up battery too low, audio alarms or prompt hints

Power: Battery, AC Power AC 220V/50Hz

Battery: ≥ 2 hours

Basic configuration requirement: Main body 1 Unit, Oxygen cylinder 3L\*1 Unit, Silicon mask/circuit for medical use \*1Piece, other accessories used to insure the basic operating.

Net Weight: 3.5Kg

Dimensions: 310mm x 190mm x 115mm (L x H x W).

Reserve Condition: Temperature: -10~40degree,

Relative humidity<90%

Working condition: Temperature: 5~40 degree.

Relative humidity< 80%

User manual: English (standard)

ISO9001:13485t





## DIGITAL TOURNIQUET (AS 2022)



### Description:

To meet requirements of orthopedic surgeries, we offer a wide range of hygienically manufactured Digital Tourniquets. Tourniquets offered by us are re tested clinically for quality by our quality analysis experts. Products offered by us are secure and safe for use and are available at all dealers in the country.

<b>Specification:</b>	10 to 460 mmHg
Cuff pressure range	Better than $\pm 5$ mmHg of set point
Pressure regulation :	(Maintains set pressure under leak conditions)
Online Pressure Setting :	Increase and decrease in pressure settings
Online Timer Setting	Increase and decrease in Timer settings
Timer	Range from 9 hours to 59 minutes
Alarm	(0:05 hours to 9.59 hours) Audible Buzzer on set time equaling elapsed value, in intervals of 1 min, after alarm time
Battery Backup	4 hours battery backup (in case of full charge)
Under Liking Alarm Switch Over	Yes, When pressure is going 30mmhg Down Automatic switch Over from mains to battery of vice versa
Power	230V(AC) / 50Hz + 1OD/o
Battery Charger	Constant Voltage, Current Limited ft Auto Cutoff
Digital Display	Digital Display of Set Pressure, Actual Pressure, Elapsed Time and Set Time
Cuffs	Different Sizes of Five Cuffs -Washable and Easy Fitting (Large, Big, Medium, Small Pediatric)
Dimensions	225mm ( W) X 130 mm (H) X 150 mm (L)
Weight	2 kg Approx

### Advantages:

- Ensured after Sales 8: Service Support
- Spares and Accessories availability guaranteed
- Low Cost of Ownership, Maintenance and Installation
- Combination of Technologies and Integration under one roof

## PULSE LAVAGE PUMP (AS 2023)

### Description:

- Irrigation pressure can be electronically controlled.
- Easy loading of tubes in the machine
- Autoclavable and reusable tubes of medical grade silicon.
- Complete sterility of system is maintained.
- Foot control operated
- Fully Stainless Steel unit for long life.
- Efficient peristaltic pump
- Simple On/ Off Switch.
- Three types of irrigation possible
- Single stream tip For wider stream & general irrigation.
- Shower spray For cancellous bone preparation, trauma, softtissues debridement & genera irrigation.
- Shower For dual purpose irrigation & suction along with special cup type anti-splash shield.
- Side hole cannula for canal wash
- Multiple bottles with constant force
- In built voltage control rectifier
- Inbuilt safety fuse
- Power supply 230V (AC) | 50Mz  $\pm$  1QO/o.
- Dimensions: 190 (l) x 230mm (w) x 190mm (h)
- Weight: 6.5 Kg. Approx





# ORTHOPEDIC DRILL & SAW



## BATTERY OPERATED DRILL & SAW (AS 2024)



### Drill Specification:

- Dual Function Drill
- Combines The Function Of
- Acetabulum Reaming and Normal Drilling
- 1200 RPM HighTorque
- Weight: 1.9kg

**1 Drill Hand Piece, 1 Drill Chuck ,  
1 Reamer Adopter, 2 Battery, 1 Charger,  
1 Chuck Key, 2 Ring in Safety Box**

### Saw Specification:

- RPM - 0-18000 Osc. / min
- Oscillating Saw
- Powerful, Portable,
- Variable Speed Without Step,
- Precise and Stable

**1 Saw Hand Piece, 2 Saw Blade ,  
2 BATTERY 1 Charger, 1 Chuck Key, 2 Ring**

## BATTERY OPERATED DRILL (AS 2025)

### Description:

- Cannulated Drill
- RPM- 0-1000
- Torque: 3.5 Nm
- Auto Cleavable
- Dual Function Drill
- Combines the function of
- Acetabulum Reaming
- Normal Drilling



**1 Hand piece, 2 Battery,  
1 Charger, 1 Drill Chuck,  
Reamer Attachment 2 Ring, Key with Aluminum Box**

## BATTERY OPERATED SAW (AS 2026)



K WIRE DRIVER

### Description:

- RPM – 0-18000 Osc. / min
- Oscillating Saw
- Powerful, Portable,
- Variable Speed Without Step,
- Precise and Stable

**1 Hand piece, 2 Battery. 1 Charger, 2 Ring,  
2 Saw Blade with Aluminum Box**





# ORTHOPEDIC DRILL & SAW



## BONE CUTTING DRILLING & REAMING SYSTEMS (AS 2027)



### REAMING HAND PIECE

- Quick Coupling for Flexible Remarks
- Light Wight (600gms. approx)
- Maximum Speed 400 RPM
- 5.5 mm cannulated
- Autoclavable, Hard Anodized for long life.

### CANNULATED DRILL HAND PIECE

- Steel Drill Chuck (0- 1/4")
- Light Wight ( 600gm. approx)
- Maximum Speed 1200 RPM
- 5.5 mm cannulated
- Autoclavable, Hard Anodized for long life.

### SAGGITAL SAW HAND PIECE

- Quick Coupling for Flexible Remarks
- Five types of blades
- Light Wight (700gms. approx)
- Autoclavable, Hard Anodized for long life.

### DRIVING UNIT

- 220 Volts/5 Amp. A.C. supply
- Heavy Duty motor with completely enclosed
- Foot Control for On/off and Speed STAND
- Castors for Mobility
- Can be dismantled & packed into a Suitcase
- Auto cutoff switch a special feature

## SHAVER SYSTEMS (AS 2028)

### Description:

Shaver system offers unmatched power, cutting powder as well as precise control of blade speed from an ergonomically design foot-switch.

Our shaver system is specifically designed for arthroscopy. Its solid construction, the use of a progressive electronic control unit, as well as the employment of high quality shaver blades offer an outstanding solution for surgery.

Multiple hand-piece option are arthroscopy and endoscopic sinus surgery procedures. There are many state-of-the-art blade designs straight, curved, rotating, mini & irrigating for tissue resection and burrs for more efficient bone debridement When use along with the Arthro Pump fluid management system and camera the operative field is clear and details well be visualized.

### Specification :

- Speed range 900 to 6000 RPM
- Online setting allows online increase and decrease of set speed.
- Variable modes FORWARD, REVERSE & OSCILLATING
- Shaver hand piece with cord fully auto cleavable
- Attached blades easy blade fitting and removing in the hand piece
- Foot switch: Foot switch for easy foot control in variable blade modes (FORWARD.REVERSE & OSCILLATING).
- Shaver hand piece with cord fully autoclavable
- Suction control inbuilt in hand piece
- Power supply 230V (AC) / 50Hz  $\pm$  10%
- In built voltage control rectifier
- Inbuilt safety lust
- Electric Shock-proof Handle
- Dimensions: 140mm(H) X 275mm (W) X 350mm (L)
- Weigh:4 kgs.





## BONE CUTTING DRILLING & REAMING SYSTEMS (AS 2029)

Model	MMS-27C	MMS-27CA	MMS-27CH	MMS-27CAH
Description	General VGA, DVI inputs	Multiple analog inputs	VGA,DVI and HDMI inputs	VGA, DVI, analog and HDMI inputs
Picture Performance	LCD Size	27" (16:9)		
	Resolution	1920 (W) x 1080 (H) pixels		
	Brightness(max.)	700 nits (typical)		
	Contrast Ratio	1000:1 (typical)		
	View Angle (H/V)	178° / 178° (typical)		
	Color Temperature	Factory calibrated 5500K, 6500K, 7500K, 9300K		
	Gamma Correction	Factory Calibrated gamma 2.0 & DICOM		



## LED LIGHT SOURCE (AS 2030)

### Technical Specification

Display : 3.2" LCD TOUCH SCREEN - HD  
 Life Span of LED : @50000 Hours  
 Light Guide Connection : Storz Type  
 Intensity Control : 10 to 100 %  
 Colour Temperature : 600" K  
 Operation Temperature : 10°C to 40°C  
 Power : 180 watts  
 Operation Humidity: 10% to 90%  
 Voltage : 170 V – 270 V AC  
 Frequency : 50  
 Dimension (W X H x D) : 290 mm x 140 mm x 335 mm  
 Weight : 3.5 kg

### Accessories:

Fiber Optics Cable (International Quality Autoclavable)  
 Power Cord



## FULL HD CAMERA (AS 2031)

### Full HD Resolution with Progressive scan

- Natural color reproduction for strain free working
- Perfect sharpness for distinguishing between tissues
- Built in 16x Digital Zoom without motion artifact
- Adaptable to all kind of Medical Endoscopes
- "DeFog" function for clear picture in smoky abdomen
- Programmable Camera head keys
- Preset fibre scope setting for anti-moire effect
- Multiple users settings

### Specifications:

Video System: Progressive scan  
 Resolution: Full HD 1920x 1080 P  
 Aspect Ratio: 16:95/N :54 dB  
 Minimal subjective: 0.5 Lx  
 Sensitivity Outputs: 1 xDVI, 1 xHDMI, 1 xVGA, 1 xHD-SDI,  
 1 x Video Composite  
 Settings: On-Screen-Menu 2 User Setting Storable  
 Pre-Settings: For various endoscopy specialties  
 Power Supply: 100-240VAC

Head: C-Mount thread, immersable, four push-buttons for remote functions, flexible cable: 3 meter  
 Class Type: 1/BF





# ELECTRO SURGICAL UNIT



## CAUTERY 400 WATT DIGITAL (AS 2032)



We introduce in the medical sector a new microprocessor based Electro Surgical Generator SMART400. It combines excellent performance of monopolar (cut & coag) and bipolar modes. Integrated with microprocessor controls, this ESU provides user safety to the user during surgery and is ideal for surgeries that require high precision and reliability. Spray coagulation is an internal part of this surgical unit that gives a good hemostasis effect with minimum cutting effect.

### Features:

- Feedback-controlled response system
- Automatically stops energy delivery as soon as the seal cycle is complete
- Minimum Cutting Effect
- Spray Congulation
- Pure and smooth cut
- Bipolar output with a non sparking characteristic
- Prompt start even in irrigated procedures
- Provides good hemostasis effect

**Applications:** Micro-Surgery/Laparoscopy Surgery/Neurosurgery



### Cut:

Mode	Programs	Power	Load	Operating Frequency
Pure	99	400 W	500	480 kHz
Blend1	99	250 W	500	480 kHz
Blebd2	99	200 W	500	480 kHz
Endocut	99	99 %	500	480 kHz

### Coag:

Mode	Programs	Power	Load	Operating Frequency
Spray	99	120 W	500 O	480 kHz
Fulgurate	99	150 W	500 O	480 kHz
Dessicate	99	150 W	500 O	480 kHz

### Bipolar:

Mode	Programs	Power	Load	Operating Frequency
Soft	99	80 W	100 Q	480 kHz
Force	99	80 W	100 Q	480 kHz
Cut	99	100 W	100 Q	480 kHz

### Other Parameters:

Display : 7 segment LED  
 Dimension : (WxHxD)290mmx105mmx260mm  
 Weight : 4kg  
 Keyword : Feather Touch  
 Input supply : Voltage 230V/AC + 15%@50/60hz



# ELECTRO SURGICAL UNIT



## VESSEL SEALING SYSTEM WITH BI TURP (AS 2033)



**JMD TECH Vessel Sealing System** is a forerunner in the field of vessel sealing systems. It presents an improved and safe vessel sealing procedure in the medical sector. Equipped with all safety features like an alarm system and protection from current leakage, the equipment is ideal for minimal access and open surgery

### Features:

Vessel fusion with no foreign material Body and cardiac protected design Patient plate alarm system HF leakage current >1 50mAVessel fusion with permanent fuses Involve no dissection & isolation Sealing with no sticking or charring Does not rely on proximal thrombus Feedback-controlled response system Automatically stops energy delivery as soon as the seal cycle is complete

### Specifications

Program mode : 99 User Settable Program Mode  
 Frequency : 480 kHz  
 Display : 7 Segment LED  
 Weight : 7.5Kg (approx)  
 Dimension : 410mm(L) x 355mm(W) x 155mm(H)  
 Voltage : Input Supply Voltage 230V(+ / - 15%)50Hz

### Applications:

- Gastric Bypass
- Adrenalectomy
- Colon Resection
- Salpingo-oophorectomy
- Lap-cholecystectomy
- Nissen fundoplication
- Lap-assisted vaginal hysterectomy (LAVH)
- Hemorrhoidectomy
- Appendectomy
- Cystectomy
- Vaginal hysterectomy
- Liver Resection
- Radical Hysterectomy
- Abdominal Hysterectomy
- Colectomy
- Gastrectomy
- Whipple
- Nephrectomy
- Radical prostatectomy



## FOR SPINE & ARTHROSCOPY (AS 2034)

### Specifications:

- Console
- User friendly Led Feather Touch
- Easy to Adjust Ablation and Coagulation Settings
- Weight 3.2 Kgs Approx.
- Frequency : 1M Hz
- Dimension L 30 Cm X W 26 Cm X H 12 Cm

### RF Foot Switch

- Separate Ablation and Coag Pedals
- Integrated Carrying Handle

### RF PROBE

- Plasma Based Bipolar RF Technology
- 90 Degree Tip Configured to Access and Ablate Tissue Rapidly.
- Durable One piece Active Electrode
- Easy to Use Ergonic Hand Controls
- Multiple Ports For Efficient Bubble Removal



## ORTHO PUMP (AS 2035)

### SPECIFICATION

- Irrigation Pressure Digitally Controlled.
- High Accuracy Pressure Sensor.
- Complete sterility is maintained.
- Easy loading of tubes into the machine.
- Efficient peristaltic pump.
- Foot control operated machine.
- Flow Rate (0-500 mmhg)
- Autoclavable and Reuseable tubes of medical grade silicon.
- Pressure Rate (0-200 mmhg) Setting available.
- Continue Types of Irrigation Possible.
- Inbuilt fuse and voltage control rectifier.
- Power Supply 230v AC 50 Hz ± 10%
- Plastic Body





# CO2 INSUFLATOR



## CO2 INSUFLATOR MODEL: MAXX 30L ADVANCED (AS 2036)



### Features :

30L • Air Mode • Inbuilt Warmer • Inbuilt Regulator

Co2 Insufflator is used to distend the body cavity or operative site, to separate the abdominal wall from its contents and /or to increase

the surgical area for the ease of surgery during minimally surgical procedures like

**Accurate Flow control:** For delicate & critical surgeries, Flow can be Set in 1LPM/step

**High Flow Insufflation :** Flow Insufflation rate can be Set upto 30LPM

**Temperature Control:** User can vary temperature of the CO2 gas to suit the patient's requirement to avoid hyperthermia.

Over-pressure detection

Indicator for remnant / consumed gas

Automatic pressure regulation with internal exhaust port

Tube obstruction alarm

Virtual / External Back Pressure Alarm

### Product Details:

Application: Hospital / Veterinary Purpose, Laparoscopy (General Surgery), Hysteroscopy (Gynaecological Surgery), Thoracoscopy, Proctoscopy, Endoscopy of the upper or lower Gastro intestinal tract with following features:

### Technical Specifications

Gas: Co2 (Medical Grade)

Co2 Gas Supply Systems: Inf 7/16" Input pressure min. to max : 3 to 4 bar

Insufflation pressure min to max: 01 – 30 mmHg (to an accuracy of 1 mm Hg)

Flow rate min to max: 1 to 30 liters / min (Model – MAXX 30L ADVANCE)

Type of power supply: 220 – 240 Volt AC 50 – 60 Hz

Protection by fuse: 5Amp

Power consumption: 125 Watt Max with Warmer of 25 W Max

Display: 7 segment 16 x 2 LCD

Keyboard: Feather touch

Enclosure: Metal Body box

Dimension: 280 (L) mm x 280 (W) MM x 110 (H) mm

Weight: 3.5KG

**CLEAR & UN-OBSTRUCTED VIEW :** Warms CO2 Gas upto body (34 to 38 Degree) temperature to avoid fogging over the camera due to temperature variation.

# ECG MACHINE



## ECG 100 SINGLE (AS 2037)



### Features:

- 2.7" STN display shows the working status and ECG waveform. Check the waveform before printing to save record paper.
- Output system: High-resolution thermalarray (8dots/mm), it needs not be adjusted. Recording frequency Response: Up to 150Hz.
- The device can record exact single ECG waveform and remark. The mark includes: lead sign, sensitivity, paper speed, filter state.

### Operation

2.7" LCD, accurate and clear ECG waveform and working state display, economical to save recording paper.

### Functions

Sync collection for 12-lead ECG, adopt digital signal processing technology to get high-quality ECG waveforms via AC filter, baseline filter and EMG filter of ECG signal. Display of 1/2/3-lead ECG, print mode, sensitivity, paper speed and filter state, etc. on one screen, convenient for contrastively diagnosing

## ECG THREE B/W - 300 (AS 2038)



## ECG THREE C/W - 300G (AS 2039)



### Features

- 3.5 TFT Color LCD shows the working status and ECG Waveform. Check the Wave-form before printing to save record paper.
- 12 lead ECG simultaneous acquisition, digital signal processor, to get higher quality ECG waveforms through the AC filter, baseline filer and EMG filter for the ECG signals. Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc., to be easy for interpretation.



# WARMER & PHOTOTHERAPY



## INFANT WARMER (AS 2040)



### Dimensions:

- Size: 35W x 43D x 73H Inch.
- Mattress Size: 27 x 20 x 1.5 Inch
- Monitor Tray Size: 11 x 13 inch

### Description:

1. HEATER:  $\pm 900$  on both sides
  2. HEATER ROTATION: parabolic reflector
  3. OBSERVATION LAMP: 50W haze free halogen lamp
  4. MONITOR TRAY: ABS plastic molded
  5. SIDE PANELS: unbreakable polycarbonate drop down
  6. WHEELS: strong castor wheels with 2 brakes
  7. MATTRESS: waterproof, washable, flame resistant
  8. MATTRESS FOAM DENSITY: 21-25 KG/M<sup>3</sup>
  9. IV POLE: adjustable height with two poles
  10. INFUSION PUMP STAND: stainless steel rod
  11. TEMPERATURE SENSOR: thermostat based NTE sensor with high resolution
- Temperature Control
  - Alarms.

## INFANT WARMER (AS 2041)

### Dimensions:

- Size: 35W x 43D x 73H Inch.
- Mattress Size: 27 x 20 x 1.5 Inch

### Description:

1. HEATER:  $\pm 900$  on both sides
  2. HEATER ROTATION: parabolic reflector
  3. OBSERVATION LAMP: 50W haze free halogen lamp
  4. MONITOR TRAY: ABS plastic molded
  5. SIDE PANELS: unbreakable polycarbonate drop down
  6. WHEELS: strong castor wheels with 2 brake
  7. MATTRESS: waterproof, washable, flame resistant
  8. MATTRESS FOAM DENSITY: 21-25 kg/m<sup>3</sup>
  9. IV POLE: adjustable height with two poles
  10. INFUSION PUMP STAND: stainless steel rod
  11. TEMPERATURE SENSOR: thermistor based NTE sensors with high resolution
- Temperature Control.
  - Alarms.



# BED HEAD PANNEL OR PENDENT



## SINGLE ARM PENDANT (AS 2042)



## DOUBLE ARM PENDANT (AS 2043)



## BED HEAD PANNEL (AS 2044)



## GAS OUTLET (AS 2045)





# OXYGEN CONCENTRATOR



## OXYGEN CONCENTRATOR (AS 2040)

Power Consumption	≤ 280W
Applied Voltage	AC 220V± 10%, 50Hz ± 1Hz
Size	55.6cm X 28.5cm X 47cm (HXWXD)
Weight	24 Kg
Outlet	01
Outlet Pressure	0.04 – 0.07 MPa
Adjustable Flow Rate	0.5 ~ 5 L/min
Noise	≤55dB (A)

### Normal Operating Condition

Temperature Range	10° C to 35°C
Atmospheric Pressure	860hPa 1060 hPa (12.47 psi ~ 15.37 psi)
Relative Humidity	30% ~75%
Altitude	Upto 1828 Mtr (6000ft) above sea level

### Transportation & Storage Conditions

Temperature Range	-20° C to +60°C
Atmospheric Pressure	Rate 700hPa 1060 hPa (10.15 psi ~ 15.37 psi)
Relative Humidity	10%~93% (no condensation)
Classification Equipment	Class II Type BF
Purity	93% ±3%
Maximum Outlet Pressure	45kpa± 10% (6.52 psi ± 10%)
Maximum Nebulization Rate	≥015mL/min

Alarms Filters	<ul style="list-style-type: none"><li>• Low Oxygen concentration alarm</li><li>• Power Failure alarm</li><li>• Compressor failure alarm</li><li>• Pressure Cycle failure alarm</li><li>• Stage 1 Filter • Stage 2 Filter</li><li>• Humidifier Bottle filter</li></ul>
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**BP MONITORS  
(AS 2042)**



**NEBULIZERS  
(AS 2043)**



**CONTACT/ NON-CONTACT  
THERMOMETERS  
(AS 2043)**



**CPAP/ BIPAP  
(AS 2044)**



**CPAP/ BIPAP  
ACCESSORIES  
(AS 2044)**



**AIR PURIFIERS  
(AS 2044)**



**FOETAL DOPPLER  
(AS 2045)**



**ORTHO CARE  
(AS 2045)**



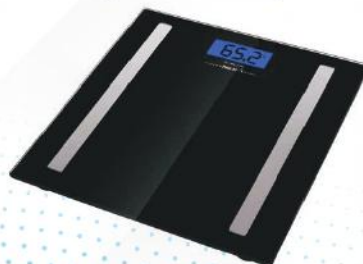
**PULSE OXIMETERS  
(AS 2045)**



**ANEROID  
SPHYGMOMANOMETER  
(AS 2045)**



**WEIGHING SCALE  
(AS 2045)**



**HEATING PAD  
(AS 2045)**





# HOSPITAL ACCESSORIES



**VIDEO LARYNGOSCOPE  
(AS 2042)**



**BLOOD WARMER  
(AS 2043)**



**ONE GLOVES  
(AS 2043)**



**RECORDING PAPER  
(AS 2044)**



**GEL AND DISPOSABLE  
ELECTRODES  
(AS 2044)**



**PROBES  
(AS 2045)**



**EXTENSION  
CABLES  
(AS 2045)**



**PATIENT CABLES  
(AS 2045)**



**RESPIRATORY  
ACCESSORIES  
(AS 2045)**



**NIBP CUFFS  
(AS 2045)**



**ELECTRODES AND  
RUBBER BULBS  
(AS 2045)**







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