



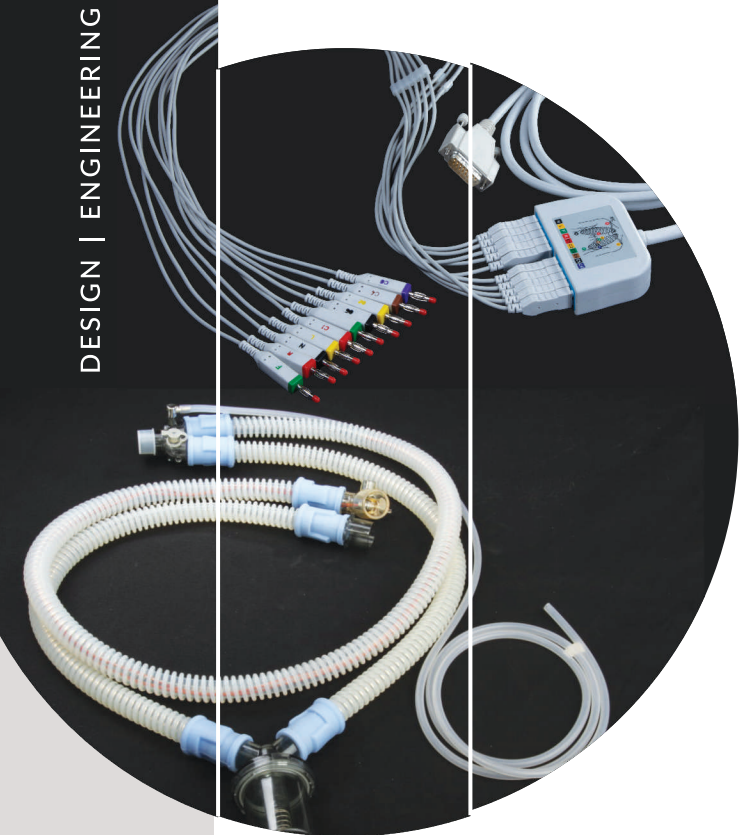
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DESIGN | ENGINEERING | MANUFACTURING



P R O D U C T
C A T A L O G U E



QUALITY



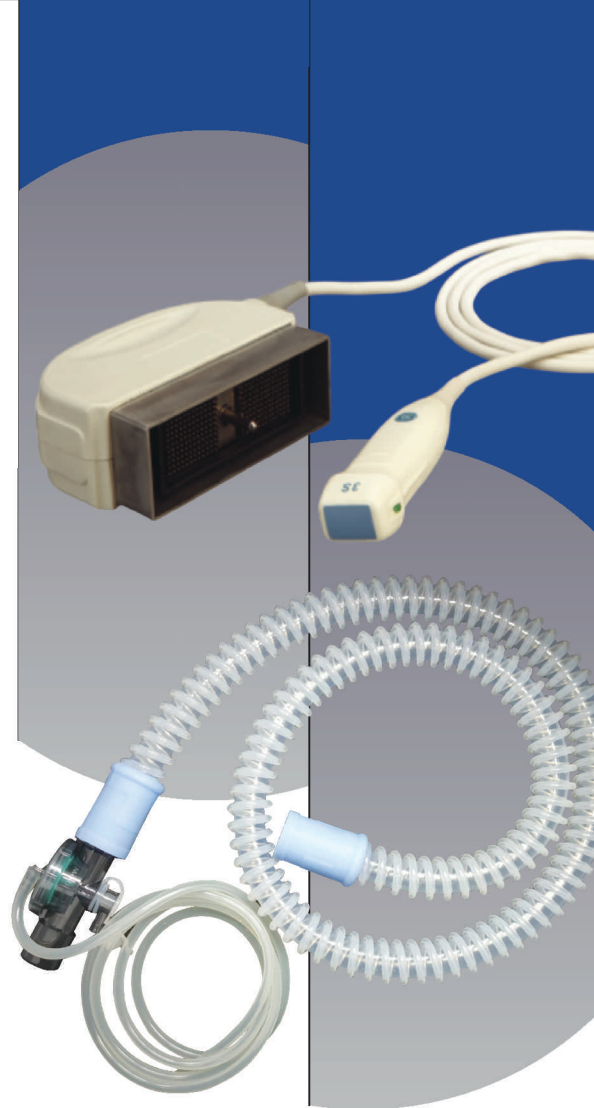
SAFETY



RELIABILITY



CUSTOM
SOLUTIONS



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ABOUT US

Biometric Cables (also known as BMC), is headquartered in Chennai, the southern gateway of India, also known as the Medical devices technology hub of India. Biometric cables is a manufacturer of medical equipment accessories such as ECG Cables, Pulse-oximeter Sensors, Ultrasound Transducers, Breathing Circuits, Oxygen Sensors, Flow Sensors and the likes. Being a part of supply chain and support systems to OEMs and Biomedical services, we manufacture around 3500+ products that cater to different multi-disciplinary fields such as Critical Care, Anaesthesia, Cardiology, Radiology, Sonography and Surgical Diathermy, to name a few. Biometric Cables was started in the year 2005 in a 400 sq. ft room with start-up strength of only 5 persons. Today, we have grown to be a workforce of 90+ personnel, housed in 3 facilities - Chennai and Trichy with 10,000 Sq. ft. of workable floor space.

CORE VALUES - OUR STRENGTH

Back in 2005, BMC did not have a potential customer base to jump start our business journey but today we have gained the trust of 5000+ customers. This

achievement is attributed to delivering derived product value, service solutions and continuous improvement in our products to our esteemed customers.

At BMC, we update our knowledge base in line with current trends to increase efficiency, productivity and keep abreast of technology to fulfil the market requirements within the domain we operate in. Customer feedback has been a key element in product management and process development to ensure high level of customer satisfaction.

THE WAY FORWARD - THE PROMISE WE KEEP

We intend to stay true to our Mission statement sharing a common National vision of "Make in India" products for Global markets.

Our top most priority is to maintain a thoughtful leadership coupled with team spirit; provide meaningful opportunities for employees and also be a valuable and responsible member of global and local communities that we are a part of.

TEAM – Together Everyone Achieves More.



MISSION

To develop, commercialize High Value Products that attract and attain the customers while challenging the employees to make a difference.

VISION

To Engineer innovate customer-focused solutions for affordable healthcare, that improves lives

STRATEGY

To develop new technological products, technology, adapt reliable Processes, Retain and Recruit Right People.



QUALITY

Biometric Cables have obtained EN ISO 13485:2016 certifications and found of our product categories are CE certified. All of the product categories are CDSCO MD5& MD9 licenced. Our inhouse test lab can help qualify our products according to predetermined specifications and requirements as per IEC 60601 standards. Our goal is to help our customers launch their products on time.

FACILITY

From project management, product design, engineering to testing, BMC provides a wide and impressive set of services and capabilities such as, manufacturing and managed inventory programs, to meet our customer's needs. Our in-house Testing Services can assist with design validation and verification. We assemble and manufacture over 3500 products with highly motivated and skilled technicians. We constantly improve upon our processes and update technology to meet up with industry demands.

CERTIFICATIONS

Biometric Cables is an organization dedicated to quality in every product we offer. We are EN ISO & ISO 135:2016 certified company. We have acquired EU MDR CE certifications for four of our products. All the products are certified with CDSCO IMDR 2017 (MD5 & MD9) Licenses.





RESPIRATORY CARE OXYGEN SENSORS

FEATURES

- EU MDR 2017/745 CE certified products
- Made to Meet ISO 80601-2-55
- Designed and manufactured according to EN ISO 13485: 2016
- Accurate and reliable response
- Excellent signal stability
- Stable against interference of anaesthetic agents



OS1 (3Pin Molex)



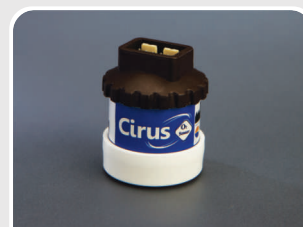
OS2 (Stereo Jack)



OS6 (DC Power Jack - Female)



OS4 (Slip Rings)



OS5 (6Pin Molex)



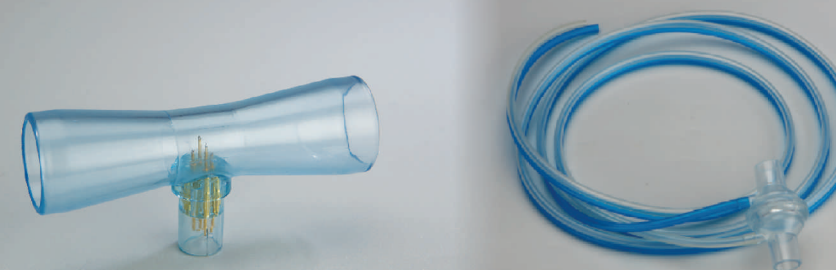
OS8 (3.5mm Stereo Jack)



OS14 (Jambo cell)



OS13 (RF11 connectors)



RESPIRATORY CARE FLOW SENSORS

FEATURES

- Flow sensors are critical components in both Ventilators and Anesthesia machines, as they ensure accurate measurement and control of gas flow to and from the patient. Their role directly impacts patient safety, treatment effectiveness, and the overall performance of the equipment.
- The Flow sensors allow precise measurement of gases, ensures Patient safety, gas delivery feedback and control, monitoring of Respiratory parameters of Patient, Leak detection, weaning of patient and Quality checks in the main machine BMC offers various types of Hot wire & Anemometry and Differential pressure Flow sensors for both Adult and Neonatal applications



Diff. Pressure Flow Sensor Small



Diff. Pressure Flow Sensor



Drager Babylog



Hot Wire Flow Sensor



Flow Sensor (FS 4) Calibration Adaptor



Flow Sensor (FS 6) Calibration Adaptor





RESPIRATORY CARE BREATHING CIRCUITS

FEATURES

These Breathing Circuit is designed and optimized for the mechanical ventilators, anaesthesia machines, Transport ventilators. It consists of Silicone smooth bore tubing, WYE connector, catheter mount tube, and water trap. This is a durable product. It can be sterilized by autoclave (up to 121°C) and disinfection with chemical stimulants for medical products.

Smooth Bore is designed to cut water accumulation and volume compression. Provides low compliance consistency and easy to clean. Tough material tube provides safe cuffs and kink resistance. Low resistance and mechanical dead space for ease of breathing. Light weight for patient comfort. It complies with EN ISO: 5367, ISO 5356-1



Silicon Adult DWT Circuits



Silicon Neonatal DWT Circuits



Silicon Pediatric Heated Wire Circuits



Silicon Adult Anesthesia Circuits



Silicon Neonatal Anesthesia Circuits



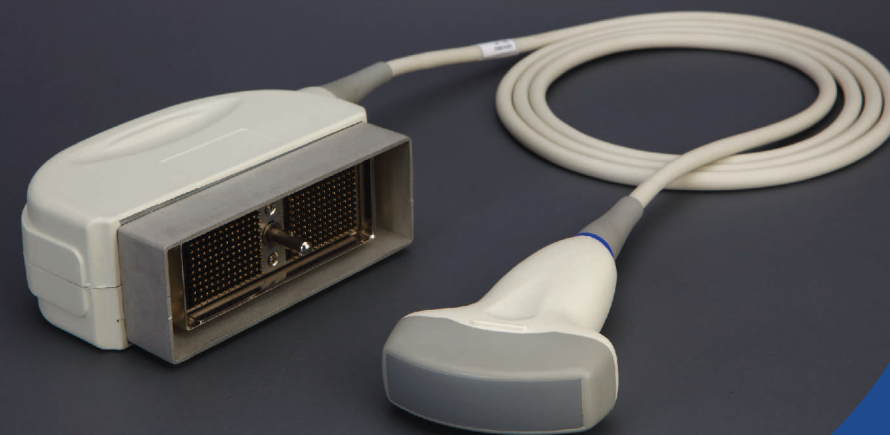
Silicon Corrugated Tubes



Hytrex Circuits



Transport Single Limb Circuit

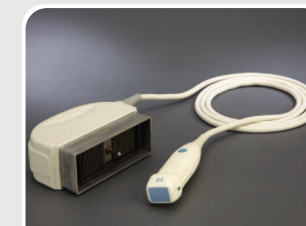


ULTRASOUND TRANSDUCERS

FEATURES

BMC ultrasound transducer repairs are worked on by our team of qualified engineers. BMC ensures that all ultrasound probe repairs meet all manufacturer specifications before they are returned to our customers. All repair work performed on ultrasound transducers is Guaranteed for ninety days.

BMC quality ultrasound probe repair work is available to our clients without the expense of costly manufacturer service contracts. Each BMC ultrasound transducer repair is performed on an as-needed basis. Our excellent works coupled with our low prices have brought our customers back for repeat business. Our repair varies from acoustic membrane, cable replacement, cable repair, crystal replacement, scan head replacement etc.



Cardiac Probes



Linear Transducers



Biopsy Guides



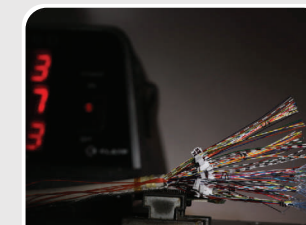
TV/EC Transducers



Array Modules



3D Probe Domes



48AWG Cable Harness



Convex Transducers





SpO₂ SENSORS EXTENSION CABLES

FEATURES

Highly accurate & reliable. Cost-effective Compatible with a variety of existing monitors. Patient safety and clinical efficiency to the hilt, 100% latex-free to cut the risk of allergic reactions, medical grade cables, Perfect signal quality, cut your sensor expenses. Available in Adult clip, Adult flexible silicon, Multisite 'y', neonatal wrap, paediatric clip, and paediatric flexible silicon. Custom made length specifications could built upon request.

Complies with EN 60601-1-2, EN 60601-1, ISO 80601-2-61, ISO 10993



Adult Clip Sensors



Adult Custom SpO2 Sensor



Neonatal Pouch Sensors



Adult Flex Sensors



Neonatal Wrap Sensors



Pediatric Clip Sensors



Pediatric Flex Sensors



SpO2 Extension Cables



TEMPERATURE SENSORS

FEATURES

Our biomedical chip thermistor assemblies are designed for use in continuous and intermittent patient temperature monitoring. Repeatability and fast response are essential for these applications. Intensive care units along with patient recovery rooms have also adopted patient temperature as part of their vital sign monitoring procedure.

BMC manufactures various critical sensors alike Inline temperature sensors, oral temperature sensors, baby warmer sensor etc. We can customise the sensors for your need.



Infant Warmers
Temperature Sensors



Inline Temperature Sensors



Radiant Warmer Temperature Probe



Rectal Temperature Probe



Oral Temperature Sensors



Skin Temperature Sensors



Datascope temperature Probe



Ningbo Temperature probe



ECG CABLES

FEATURES

Specific cable yoke concepts; functional, construction with an attractive design and a small outline; patient lead wires with Innovative materials for high flexibility and easy handling; user and patient-friendly. Cables with standard connection systems, customer-specific solutions that make sure unique products shielded and unshielded lead wires and coloured lead wires as an option.

Reusable ECG precordial suction chest electrodes with universal connection & reusable peripheral clamp electrode for adults and paediatrics; Nickel-Silver, Silver Chloride and Nickel-plated with universal connection (4 mm socket and snap); supplied in packs of 4 pieces in the colours red, yellow, green and black. Complies with CE, IEC/AHA colour coding, ANSI/AAMI EC 53, ISO 10993 recommendations.



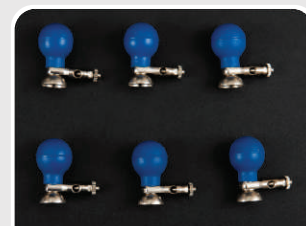
Detachable 5 Lead Cables



Detachable 10 Lead Cables



Clamp Limb Electrodes



Chest Bulb Electrodes



Deatchable 3 Lead Cables



Moulded 3 Lead Cable



Moulded 10 Lead Cables



TMT Cables



IBP CABLES

FEATURES

BMC IBP cables provide the interface between various IBP transducers and almost all monitors, ensuring that it accurately monitors patient vitals.

For meeting different interface of Invasive-Blood Pressure (IBP) transducers and critical care patient monitors, we offer OEM/ODM service for making different combination of interface cable solutions and customised IBP interface/transducer cable for customer to integrate varied patient monitoring system.

We manufacture IBP cables for various transducers like Abbot, Medex, Utah, Edwards etc.



Abbot Transducer Cables



Utah Transducer Cables



BD Transducer Cables



Edwards Transducer Cables



BL Transducer Cables



Medex Transducer Cables



NIBP CUFF & HOSES

FEATURES

Constructed of high-density flexible coated nylon fabric to make sure abrasion, chemical, air and Moisture-resistant. An anti-microbial treatment on the cuff fabric to help prevent perspiration and mildew under cuff. With a long-lasting hook and loop fastener tested for up to 100,000 times usage.

Available in six sizes which range from infant to adult. It's been tested to withstand more than 300,000 inflation cycles and 100,000 cuff wrapping cycles, much longer than many leading brands. Made to meet CE and IEC 80601-2-30 recommendations.



NIBP Hoses



Reusable Adult Cuffs



Reusable Child Cuffs



Reusable Neonatal Cuffs



Disposable NIBP Cuffs



Bladderless Cuffs



NIBP Hose GE



NIBP Hose-DT-Nihon Khoden



ESU ACCESSORIES

FEATURES

The product range is rounded off by a series of single-use sterile products for special purposes and specific niche markets. BMC guarantees that only high-quality materials are used for the production of our Surgical Pencils. Consistent and optimum spring tension for example, is ensured by using special surgical steel.

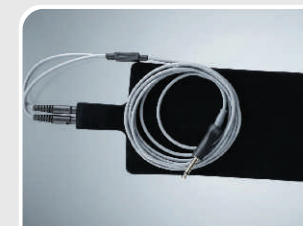
The well-proven isolation coating resists without any problems highly alkaline cleaning agents, so that the electrical safety of the instrument is reliably ensured. The safety plug made of high-tech plastic encloses the complete connection area, even between the contact surfaces, in order to avoid the deposit of impurities in areas which are difficult to access.



Bipolar Cables 2 pin



Patient Plate Adaptors



Patient Earth Plates



Monopolar Pencils Disposable



Earth Plate Disposable



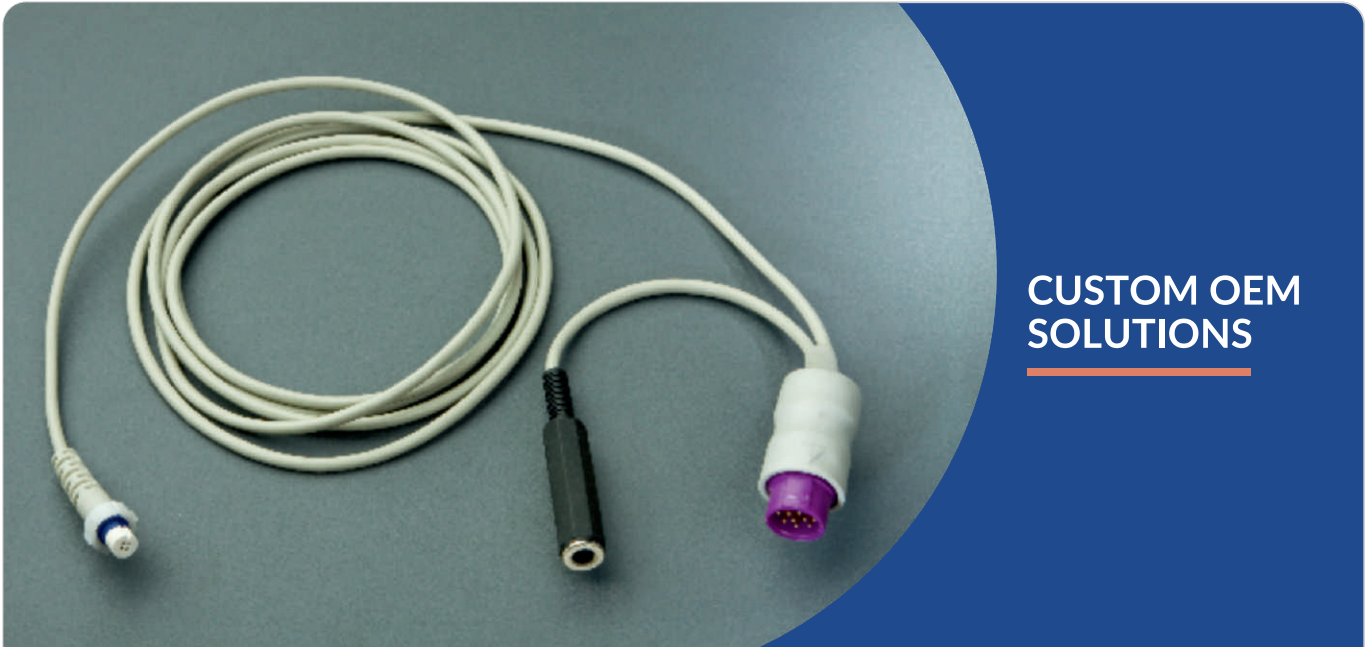
Bipolar Forceps



Adaptors



Bipolar Cable Flat Plugs



CUSTOM OEM SOLUTIONS

FEATURES

We have developed a patient monitor connector module that consists of ECG, SPO2, IBP, temperature probe and NIBP Cuff connectors. This module enables patient monitor manufacturers to obtain a tailor-made module solution that meets their specific requirements. Along with this many new product lines temperature probes, Defib cable assemblies, ultrasound probes, Cardiac output cables etc.

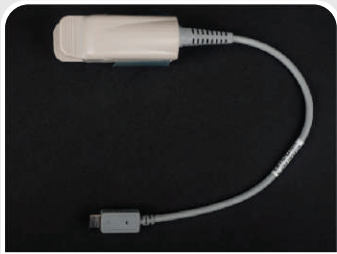
- Customized Engineering Product design
- All kind of tool design solutions
- Custom Connector design
- Plastic component design and manufacture
- Rapid Prototyping
- In-process quality control
- In-house testing System



Defib Cable Assemblies



Cardiac Output Cables



Type C SpO2 Sensor



Holter Cables



Patient Monitor Module



TI Module Accessories



Input Sockets



TOCO & FHR PROBES

FEATURES

- We offer reliable TOCO (Toco dynamometer) Probes for use with compatible fetal monitoring systems to support the monitoring of uterine contractions during pregnancy and labor.
- Our TOCO probes are sourced from trusted manufacturers and are designed to provide dependable performance in clinical environments. Suitable for hospitals, maternity centers, and healthcare facilities, these probes serve as replacement or spare accessories for fetal monitoring equipment. Accurate uterine contraction monitoring Clear and stable fetal heart rate detection. Comfortable & safe for mother and baby Durable build for long term use



TOCO probe



FHR Probe



ETCO₂ SENSORS

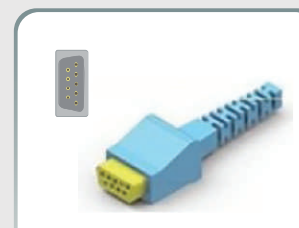
FEATURES

End Tidal Carbon dioxide or Capnography is vital, non-invasive, real-time tool for monitoring ventilation, confirming airway placement, assessing CPR effectiveness, and detecting respiratory/metabolic complications. It has become a standard of care in anaesthesia, critical care, and emergency medicine. This is achieved by measuring the concentration of carbon dioxide (CO₂) in exhaled gas on a breath-by-breath basis, providing real-time values on breathing effectiveness in various clinical settings, from Anaesthesia to pre-hospital care.

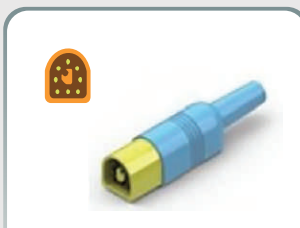
Biometric cables have introduced a range of highly accurate Main stream EtCo₂ sensors for various brands of Monitoring devices.



Compatible with Respirationics



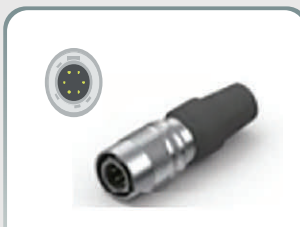
Compatible with Masimo



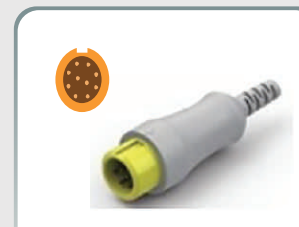
Compatible with Philips



Compatible with Zoll



Compatible with Zoll



Compatible with Mindray



Compatible with Hamilton



Compatible with Nihon Kohden



DISPOSABLE HEATED WIRE CIRCUITS

FEATURES

Mechanical ventilation and respiratory therapy by providing warm, humidified air that prevents airway dryness, condensation, and hypothermia. Key uses include delivering optimal moisture to the lungs to maintain mucociliary clearance and prevent complications like airway obstruction and infection.

the integrated heating element prevents condensation (rain-out) in the tubing, ensuring consistent and safe as delivery, which is particularly important for long-term ventilated patients and critically vulnerable patients specially neonates.



Single Heater Wire Breathing Circuit - Adult



Single Heater Wire Breathing Circuit - Neonatal



Dual Heater Wire Breathing Circuit - Adult



Dual Heater Wire Breathing Circuit - Neonatal



Single Heater Wire Breathing Circuit - with Chamber



Dual Heater Wire Breathing Circuit - with Chamber



HUMIDIFIER ACCESSORIES

FEATURES

We have developed many new products like inline temperature probes, cardiac output cables and ultrasound probes etc., Which are still being considered technically impossible on Indian soil. A recent survey has measured our customer satisfaction at 93%.

- Customized Engineering Product design
- All kind of tool design solutions
- Custom Connector design
- Plastic component design and manufacture
- Rapid Prototyping
- In-process quality control
- In-house testing System



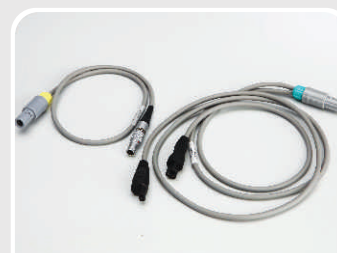
Airway Temperature Sensors



Dual Airway Temperature Sensors



Heater Wires



Heater Wire Adapter



Heater Wire Adapter



Draw Wire



BIOMEDICAL TEST EQUIPMENTS

FEATURES

Biomedical test equipment plays a vital role in healthcare by ensuring the accuracy, safety, and reliability of medical devices. These instruments help biomedical engineers perform functional and performance testing, verify device accuracy, and troubleshoot medical equipment such as patient monitors and ventilators.

In hospitals, biomedical test equipments are used for performance checks, preventive maintenance and electrical safety testing. while in education and research. It supports training and development of new technologies. In short, it is essential tool for delivering safe and effective patient care.



Cardiosim III



Cardiosim One Plus



Multipara Simulator (AANMA)



SPO2 Simulator



Ultrasonic Oxygen analyser



Handy Oxygen analyser



Oxygen analyser



NIBP Simulator



THE CORE OF OUR OPERATIONS

- Closed Loop Injection Moulding
- Vertical Injection Moulding
- Horizontal Injection Moulding
- Ultrasonic Welding
- Laser Cutting
- Semi automatic Cable Cutting
- Semi Automatic Cable Stripping
- Semi Automatic Cable Crimping
- DIP Soldering
- Toggle Clamping & Sealing
- Shield Unwinding
- Packing Machines
- People Expertise
- Preheat Ovens
- Pad Printing
- Semiautomatic Moulding Machine
- EO Sterilisation
- Restricted ESD free production process
- Reflow oven
- Semi Automatic Dispensing Machine
- Environmental Chamber



QUALITY ASSURANCE

- IPC J-STD-001 & IPC WHMA-A-620D Class 2 & 3 level acceptance
- APQP
- G8D for customer complaints
- Scar for Suppliers
- Kaizen
- 5S
- Total Productive Maintenance
- Digital Magnification Aid For Inspection
- ROHS & REACH
- PFMEA (Risk Analysis)
- Control Measures, Acceptance Criteria
- Test Labs
- Machine and Process Validation
- QMS as per ISO 13845
- Measurement System Analysis
- Run at Rate
- Statistical Process Control

