



QUALITY



SAFETY



RELIABILITY



CUSTOM SOLUTIONS



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BMC/MKT/CAT/01 Rev No:04 Rev Date: 05/11/2022

**DESIGN  
ENGINEERING  
MANUFACTURING**



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**OUR MISSION, VISION & STRATEGY**

- To develop, commercialize High Value Products that attract and attain the customers while challenging the employees to make a difference.
- To be a Global Indian Supplier. Numero Uno in Domestic Market.
- To develop new technological products, technology, adapt reliable Processes, Retain and Recruit Right People.

**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 2 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.**





## DESIGN

## CERTIFICATIONS

### QUALITY

Biometric Cables have obtained EN ISO 13485:2016 certifications and most of our products are CE Certified and we are in the process of obtaining CE certification for rest of our products. Our in-house 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.

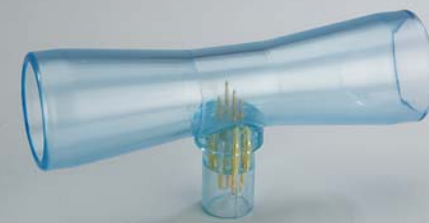
### FACILITY

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.

Biometric Cables is an organization dedicated to quality in every product we offer. Biometric Cables is EN ISO 13485-2016 registered. We have acquired CE certification for the majority of our products and in the process of acquiring, it for all our products.







## RESPIRATORY CARE - OXYGEN SENSORS

## RESPIRATORY CARE - FLOW SENSORS

### Features

- Designed for 5 years life time air at 1 atmosphere at 25 deg C
- 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)



Diff. Press Flow Sensor Small



Diff. Pressure Flow Sensor



Drager Babylog



Hot Wire Flow Sensors

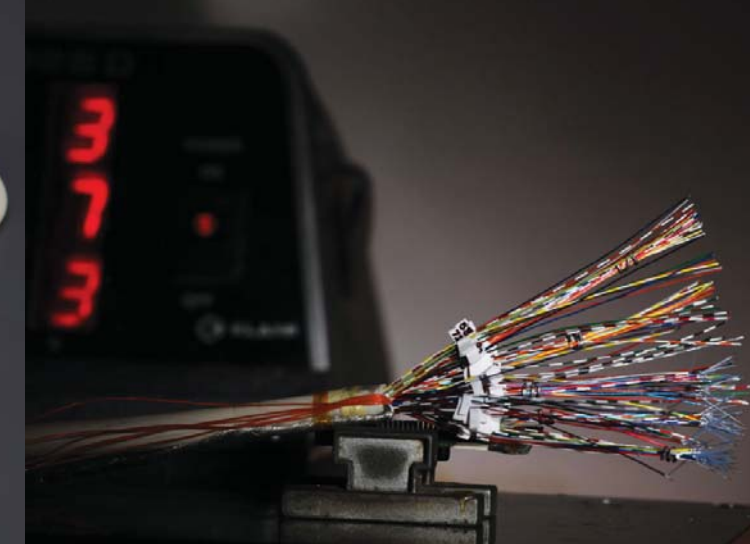
### Features

Flow sensors are not just another accessory. They can make a big difference in the performance of the ventilation equipment and the delivery of numerous key measurements.

BMC offers various types of hot wire, differential pressure flow sensors cost effectively. These Flow sensors used for measuring volume flows in the field of anaesthetics/ventilation.

DESIGNED WITH PASSION.  
DRIVEN BY TECHNOLOGY.





## RESPIRATORY CARE - BREATHING CIRCUITS

## ULTRASOUND TRANSDUCERS

### 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



Light Weight Silicon Circuits



Cardiac Probes



Linear Transducers



Biopsy Guides



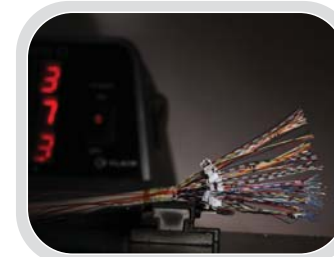
TV/EC Transducers



Array Modules



3D Probe Domes



48AWG Cable Harness



Convex 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.







## SpO<sub>2</sub> SENSORS & EXTENSION CABLES

## TEMPERATURE SENSORS

### 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



Paediatric Clip Sensors



Paediatric Flex Sensors



SpO2 Extension Cables



Infant Warmers Temperature Sensors



Inline Temperature Sensors



Airway Temperature Sensors



Dual Airway Temperature Sensors



Oral Temperature Sensors



Skin Temperature Sensors



Heater Wires



Heater Wire Adapter

### 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.





## ECG CABLES

## IBP 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.

### 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.



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



Abbot Transducer Cables



Utah Transducer Cables



BD Transducer Cables



Edwards Transducer Cables



BL Transducer Cables



Medex Transducer Cables





## NIBP CUFFS

### 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

## ESU ACCESSORIES



Bipolar Cables 2 pin



Patient Plate Adaptors



Patient/Earth Plates



Monopolar Pencils Disposable



Earth Plate Disposable



Bipolar Forceps



Adaptors



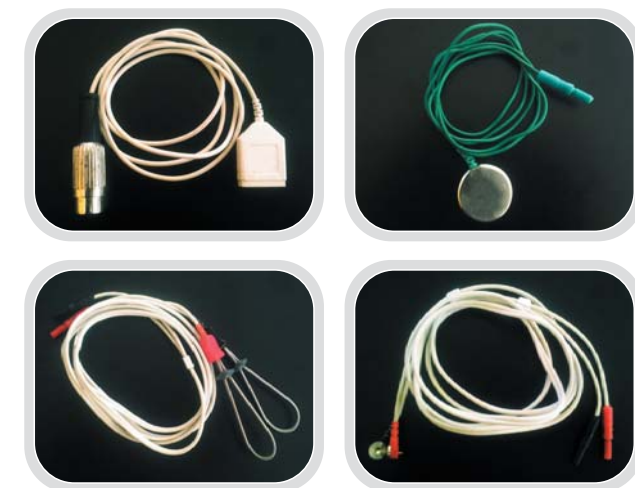
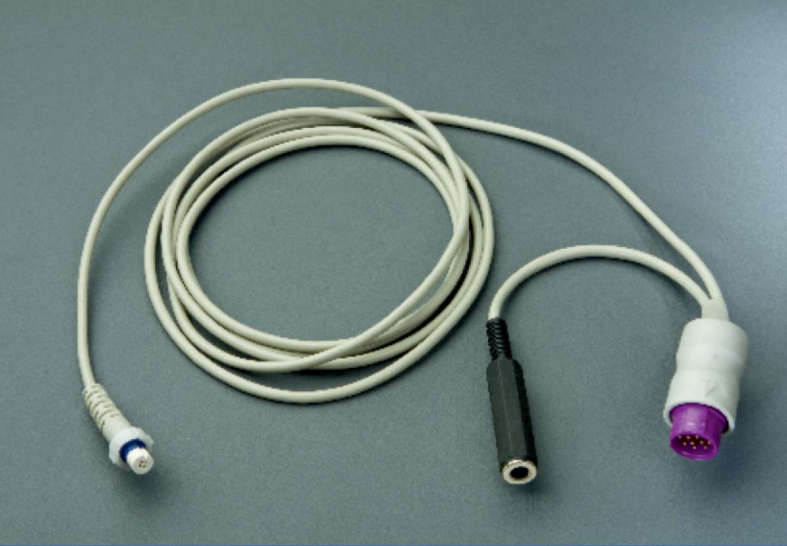
Bipolar Cable Flat Plugs

### 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.

**neurals**<sup>TM</sup>  
ULTRASOUND PROBES





## CUSTOM OEM SOLUTIONS

## EEG / EMG CABLES

### 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



Defib Cable Assemblies



Cardiac Output Cables



Type C SpO2 Sensor



Holter Cables



TI Module Accessories



Input Sockets

One of the keys to recording good EEG signals is the type of electrodes used. Electrodes that make the best contact with a subject's scalp and contain materials that most readily conduct EEG signals provide the best EEG recordings. We provide high quality cup, MNC, Loop and ground electrodes.



## ECG SIMULATORS



The Cardiosim series is an advanced, compact & portable simulator, compatible for use with different makes/models of ECG machines & monitors. It is a unique system for measuring up to 12 leads ECG at easily selectable heart rates and Arrhythmias. All models are capable of operating on mains & battery. The Cardiosim series is powered by 64-bit high performance microcontroller.

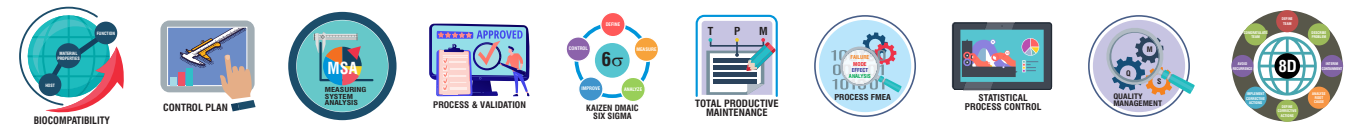




## OUR SERVICES

- 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

## QUALITY ASSURANCE



- 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

- 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