



J. Mitra & Bros.
MEDICAL DEVICE SPECIALISTS

EST.
1950

Product Catalogue





— THE COMPANY

Seven decades at the heart of cardiac surgery



We, J. Mitra & Bros., established in 1950, are a specialist company dealing mainly in hardware, disposables and implantable devices pertaining to cardiac surgery.

Our core strength is our long-term, trusted relationship with cardiac surgeons and cardiologists throughout the country. We have distributed the Sarns Heart-Lung Machine — now Terumo — for nearly five decades, installing 800+ machines across India.

We deal in premium products most preferred by surgeons and supply disposables to the majority of heart centres in Delhi NCR. Today we are also an indigenous manufacturer, with a Make-in-India facility in Sonipat, Haryana.

PRINCIPAL PARTNERS



Medtronic

ABBOTT



GETINGE *

Fresenius



1950

ESTABLISHED

800+

MACHINES INSTALLED

6

CITY OFFICES

40

PRODUCTS · 7 FIELDS

Contents

01 CARDIAC 04

APS1 Heart-Lung Machine	05
Mercury Cooler-Heater	05
Cardiosave IABP	06
Rotaflow II	06
ACT Machine	07
Oxygenator	07
Blood Cardioplegia Set	08
Heart-Lung Pack	08
Arterial Filter	09
Gas Line Filter	09
Single Length Tubing	10
Connectors	10
Medtronic Cannulae	11
Linear Intra-Aortic Balloon Catheter	11
Octopus Stabilization System	12
Permanent Life Support Kit	12
PT/INR Meter	13
Micro INR Chips	13
Blood Pressure Monitor	14
Chest Binder	14

02 ANAESTHESIA & RESPIRATORY 15

Bain Circuit	16
Ventilator Circuit	16
Catheter Mount	17
HME Filter	17
Nebuliser Mask	18
Twin Bore Nasal Oxygen Set	18
Soda Lime	19

03 CRITICAL CARE 20

Lung Exerciser (Incentive Spirometer)	21
Pressure Monitoring Line	21
Introducer Needle	22
Spinal Needle	22
Thermometer	23

04 DIALYSIS 24

Dialyser	25
Hemodialysis Catheter Kit	25
AV Fistula Needle	26

05 INFUSION THERAPY 27

IV Infusion Set	28
3-Way Stopcock with Extension Line	28
Blood Transfusion Set (Exchange)	29
M.T.P. Cannula	29

06 WOUND DRAINAGE 30

Chest Drainage System	31
Yankauer Suction Set	31

07 DIABETES 32

Libre CGM Sensor	33
------------------------	----

SPECIALITY 01 / 07

Cardiac

The heart of our expertise — perfusion, bypass and monitoring systems trusted in over 800 heart-lung installations nationwide.



APS1 Heart-Lung Machine

Mercury Cooler-Heater

Cardiosave IABP

Rotaflow II

ACT Machine

Oxygenator

Blood Cardioplegia Set

Heart-Lung Pack

Arterial Filter

Gas Line Filter

Single Length Tubing

Connectors

Medtronic Cannulae

Linear Intra-Aortic Balloon Catheter

Octopus Stabilization System

Permanent Life Support Kit

PT/INR Meter

Micro INR Chips

Blood Pressure Monitor

Chest Binder

20

 PRODUCTS IN THIS RANGE



APS1 Heart-Lung Machine

A highly advanced heart-lung machine used during open-heart surgeries. It safely takes over the work of the patient's heart and lungs — keeping blood pumping through the body and adding oxygen while the surgeon operates on the heart.

Mercury Cooler-Heater

Maintains the blood temperature of patients during surgery. It is used to lower, raise or maintain blood temperature through conductive heat transfer with the help of the oxygenator / heat exchanger.





Cardiosave IABP

The Cardiosave by Getinge / Maquet is an Intra-Aortic Balloon Pump (IABP) — a device that helps a failing heart pump blood. It supports patients with severe heart failure or during complex heart surgeries.



Rotaflow II

The Rotaflow II by Getinge is a widely used Extracorporeal Life Support (ECLS) and ECMO system. It uses a gentle centrifugal pump to continuously circulate blood outside the body, providing respiratory and/or circulatory support for critically ill patients.





ACT Machine

The Activated Clotting Time (ACT) machine is a portable device used in operating theatres, ICU/CCU, cath labs and research labs to check how fast a patient's blood clots. It is used during major surgeries (such as heart bypass) or kidney dialysis to ensure the blood does not clot inside the tubes, while making sure it is not too thin.

Oxygenator

A critical device used during open-heart surgery and intensive care to temporarily replace a patient's lung function. It artificially adds oxygen to deoxygenated blood and removes carbon dioxide before returning the blood to the body, most commonly during cardiopulmonary bypass (CPB) or ECMO procedures.





Blood Cardioplegia Set

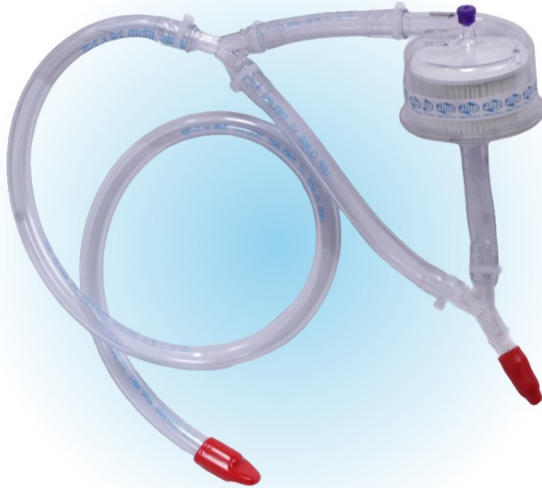
Mixes oxygenated blood from a heart-lung machine with protective chemicals (such as potassium). It safely stops the heart during open-heart surgery, preserving it from damage while allowing surgeons to perform delicate repairs.



Heart-Lung Pack

Connects a patient to a heart-lung bypass machine during open-heart surgeries. It temporarily takes over breathing and blood-pumping so surgeons can operate on a still heart.





Arterial Filter

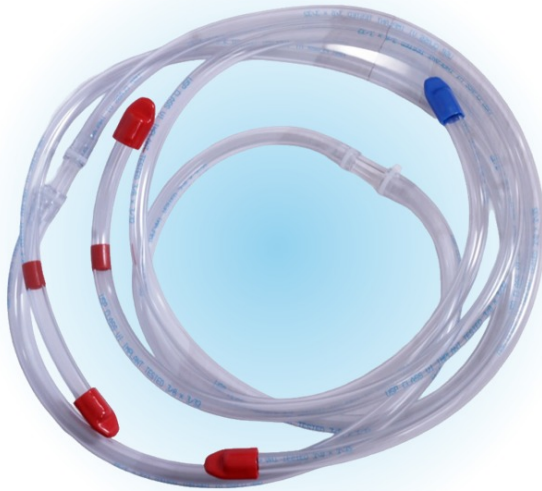
In a cardiopulmonary bypass (CPB) circuit, the arterial filter acts as a critical safety device. Positioned in the arterial line between the oxygenator and the patient, it removes particulate matter (e.g. thrombi, fat) and gaseous micro-emboli, protecting the patient from neurological complications such as strokes and microvascular damage.



Gas Line Filter

Used for open-heart (CTVS) surgeries, these filters trap harmful gas bubbles and tiny solid particles in medical blood and fluid lines, stopping them from travelling through the body and causing serious harm. The sterile 0.2-micron gas line filter also removes bacteria, scale and other contaminants from oxygen and other medical gases.





Single Length Tubing

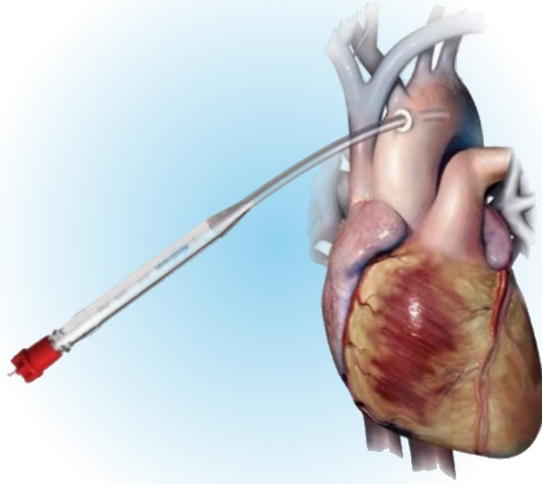
Pre-cut, sterile polyvinyl chloride tubing used in devices such as IV lines, catheters and breathing circuits. Kink-resistant, clear and flexible, it comes in specific cut lengths and diameter grades for safe, single-use hospital applications.



Connectors

Designed to connect tubing of different sizes, ensuring reliable connections in laboratory and surgical set-ups.





Medtronic Cannulae

A thin, flexible tube inserted into the body to deliver fluids, medications or oxygen, or to drain excess fluids.

Linear Intra-Aortic Balloon Catheter

A device used in Intra-Aortic Balloon Pump (IABP) therapy. Featuring a thin, 7.5 French (Fr) catheter, it helps pump blood and rest the heart. Available in a 34cc model for smaller patients or those with narrowed blood vessels, and a 40cc model for average-size patients.





Octopus Stabilization System

A tool used during beating-heart, off-pump open-heart surgeries. It acts like an anchor, using gentle suction to hold a tiny part of the heart perfectly still, allowing surgeons to sew bypass grafts without stopping the heart.

Permanent Life Support Kit

A pre-connected circuit with the minimum number of essential components for extracorporeal respiratory and/or cardiovascular support, for use with an ECMO machine.





PT/INR Meter

A portable device that tests how fast blood clots. It is mostly used by people taking blood thinners such as warfarin to manage their dosage safely from home.

Micro INR Chips

Single-use microfluidic test chips used with a portable INR meter to measure how quickly blood clots, supporting safe management of patients on blood-thinning therapy.





Blood Pressure Monitor

Primarily indicates systolic (heart-beating) and diastolic (heart-resting) pressure. These readings are crucial for diagnosing hypertension, detecting irregular heartbeats, monitoring medication efficacy and managing overall cardiovascular health.

Chest Binder

Provides firm compression and stabilisation to the chest after thoracic surgery, helping to bind the chest for healing and sternotomy recovery. It reduces swelling, supports healing tissues and minimises chest expansion to limit painful chest movements, facilitating a quick recovery.



SPECIALITY 02 / 07

Anaesthesia & Respiratory

Breathing circuits, filters and airway management devices engineered for safe, precise anaesthesia and respiratory care.

Bain Circuit

Ventilator Circuit

Catheter Mount

HME Filter

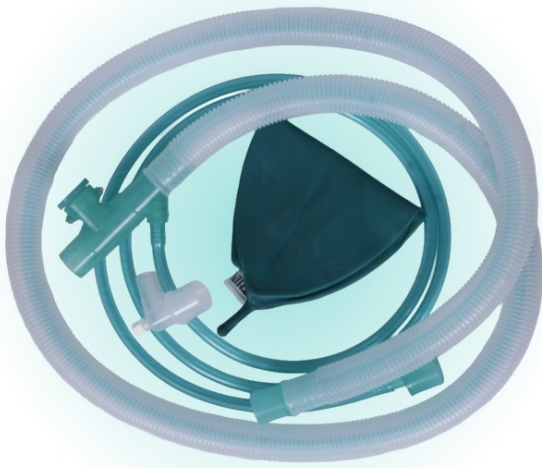
Nebuliser Mask

Twin Bore Nasal Oxygen Set

Soda Lime

7

PRODUCTS IN THIS RANGE



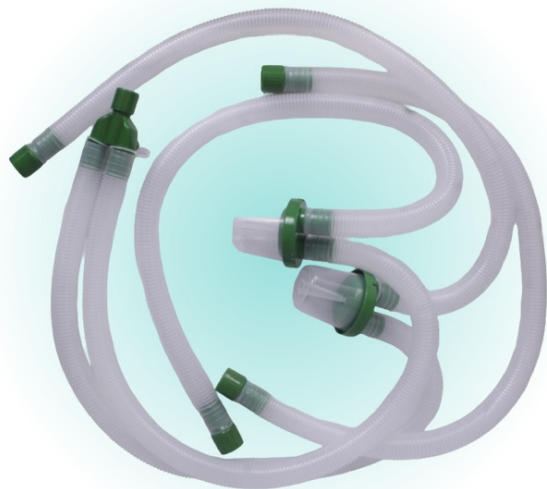
Bain Circuit

A medical device intended to process the patient's inspired fresh gas from the outer reservoir and expired gas into the reservoir tube.



Ventilator Circuit

The ventilator circuit is intended for use as an interface between a ventilator-dependent patient and a ventilator. It is used to administer medical gases to a patient during anaesthesia.





Catheter Mount

Catheter mounts are adaptors that connect the tracheal tube to the end of the anaesthetic breathing system. Various connectors fit between the distal end and the tracheal tube.



HME Filter

A heat and moisture exchanger / filter intended for airway management by the anaesthesia and respiratory-care department.





Nebuliser Mask

A nebuliser mask is a drug-delivery device used to deliver drugs to the lungs in the form of aerosol inhalation. It is commonly used to treat respiratory diseases such as asthma, cystic fibrosis and chronic obstructive pulmonary disease.



Twin Bore Nasal Oxygen Set

A device used to deliver supplemental oxygen or airflow to a patient or person in need of respiratory help.





Soda Lime

A carbon-dioxide absorbent used in anaesthesia breathing circuits and closed-circuit systems to remove exhaled CO₂, enabling safe rebreathing of anaesthetic gases. A colour-change indicator shows when the absorbent is exhausted.

SPECIALITY 03 / 07

Critical Care

Bedside and interventional devices that support clinicians through the most demanding moments in the ICU and theatre.



Lung Exerciser (Incentive Spirometer)

Pressure Monitoring Line

Introducer Needle

Spinal Needle

Thermometer

5

PRODUCTS IN THIS RANGE



Lung Exerciser (Incentive Spirometer)

An incentive spirometer / lung exerciser is a handheld device used to help the lungs recover after surgery or a lung illness. The device prompts you to inhale at a slow, steady pace to build lung strength and capacity.



Pressure Monitoring Line

Used for high-pressure monitoring and connection between the syringe and infusion pump.





Introducer Needle

The introducer needle is used as percutaneous entry to introduce a guidewire.



Spinal Needle

Used for diagnostic sampling of cerebrospinal fluid, delivering anaesthetics and introducing contrast medium.





Thermometer

A device used to record the body temperature.

SPECIALITY 04 / 07

Dialysis

Dialysers, catheters and access needles that make reliable, everyday renal care possible.

Dialyser

Hemodialysis Catheter Kit

AV Fistula Needle

3

PRODUCTS IN THIS RANGE



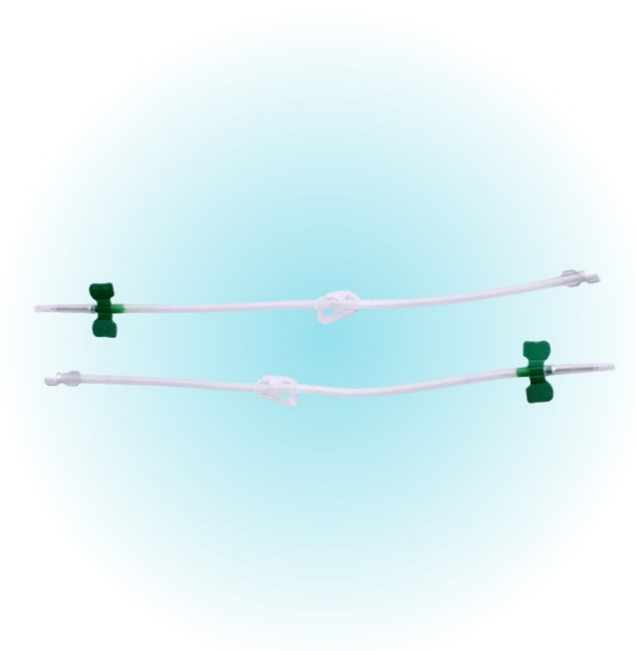
Dialyser

The dialyser acts as an artificial kidney within the haemodialysis circuit, filtering waste products and excess fluid from the patient's blood across a semi-permeable membrane before returning the cleaned blood to the body.

Hemodialysis Catheter Kit

A catheter used for exchanging blood to and from the haemodialysis machine from the patient.





AV Fistula Needle

A needle used to access an arteriovenous (AV) fistula, providing reliable blood flow to and from the haemodialysis machine during treatment.

SPECIALITY 05 / 07

Infusion Therapy

Infusion, transfusion and fluid-management sets built for accuracy, safety and single-use assurance.



IV Infusion Set

3-Way Stopcock with Extension Line

Blood Transfusion Set (Exchange)

M.T.P. Cannula

4

PRODUCTS IN THIS RANGE



IV Infusion Set

The infusion set is used for gravity feed to administer intravenous fluid and medicines into the human circulatory system using an intravenous catheter or cannula.



3-Way Stopcock with Extension Line

Indicated for fluid-flow directional control and for providing an access port for administration of solution, withdrawal of fluid and pressure monitoring.





Blood Transfusion Set (Exchange)

A sterile, intravascular administration set used to remove a diseased patient's blood and replace it with fresh donor blood or plasma. It typically includes a needle or catheter, tubing, a flow regulator, a drip chamber, an infusion-line filter, a stopcock, connectors and a side tube with a cap. This is a single-use device.



M.T.P. Cannula

Used for manual vacuum aspiration of the uterus in cases of incomplete abortion.



SPECIALITY 06 / 07

Wound Drainage

Surgical drainage and suction systems that keep the operative field clear and recovery on track.



Chest Drainage System

Yankauer Suction Set

2

PRODUCTS IN THIS RANGE



Chest Drainage System

A surgical drain used to remove pus, blood or other fluids from a wound or the chest cavity. The chest drainage system comes in two types — rigid and collapsible — to suit different clinical needs.



Yankauer Suction Set

The Yankauer suction set is used to suck infected blood or secretions from the operative site.



SPECIALITY 07 / 07

Diabetes

Modern glucose-monitoring technology for continuous, finger-prick-free diabetes management.

Libre CGM Sensor

1

PRODUCT IN THIS RANGE



Libre CGM Sensor

A continuous glucose-monitoring (CGM) sensor worn on the body to track glucose levels in real time, helping people with diabetes manage their condition without routine finger-prick tests.

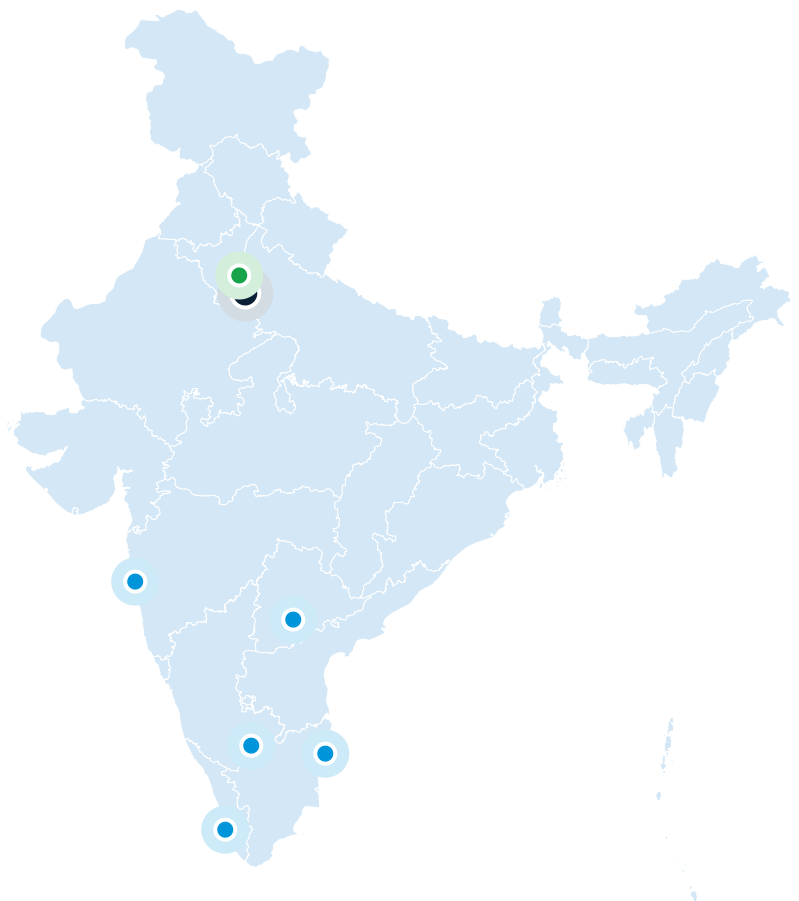


— NATIONWIDE PRESENCE

One head office. Six cities. National Reach

Our head office is in Delhi, supported by offices in Mumbai, Bengaluru, Chennai, Hyderabad and Kochi — with our Make-in-India manufacturing facility in Sonipat, Haryana.

- **Delhi** HEAD OFFICE
- **Sonipat, Haryana** MANUFACTURING
- **Mumbai**
- **Hyderabad**
- **Bengaluru**
- **Chennai**
- **Kochi**





ENQUIRIES & ORDERS

Let's talk about your requirement

For product enquiries, pricing or to arrange a demonstration, our team would be glad to assist.



EMAIL

jmitradelhi@gmail.com



PHONE

+91 98105 25502



HEAD OFFICE

20 Double Storey Market, New Rajinder Nagar,
New Delhi 110060, India

OFFICES

New Delhi (HQ) · Mumbai · Bengaluru · Chennai · Hyderabad · Kochi



J. Mitra & Bros.

Specialists in cardiac surgery since 1950



jmitraandbros.com • sodalimeexport.com