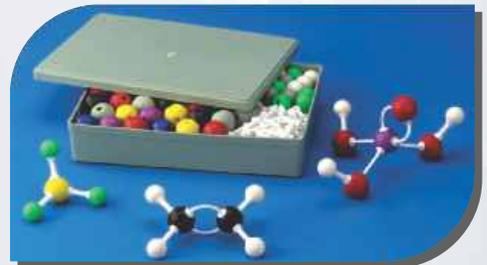


JAPSON PRODUCT CATALOGUE

Serving
Science
Since
1946
68 Years



SCIENTIFIC
LABORATORY &
EDUCATIONAL
INSTRUMENTS



JAMBU PERSHAD & SONS
www.japson.com

Company Profile

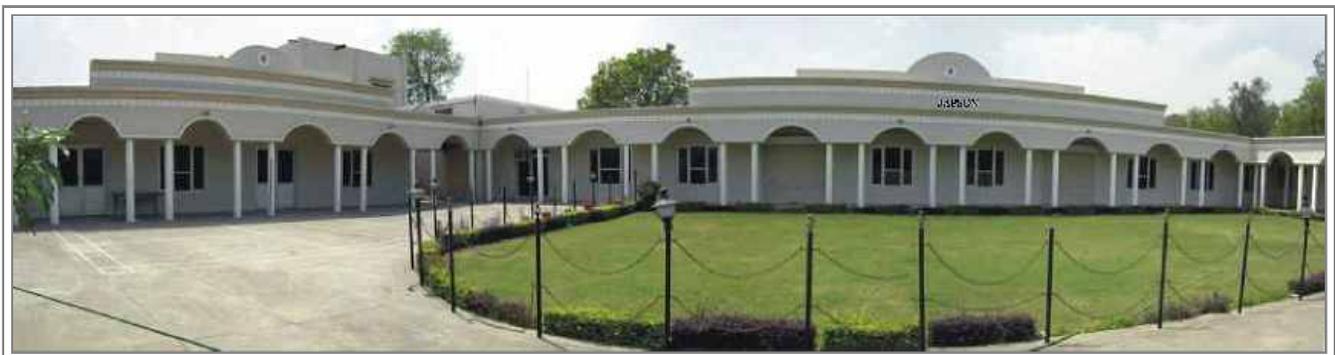
JAPSON is a company established in 1946 and dedicated to the field of Scientific, Laboratory, School, Education, Dairy, Hospital and Analytical Equipments.

We are an ISO 9001:2008 Certified and D&B Accredited Company.

It is one of the first company to cater to Schools, Colleges, Universities and Research Laboratories in local markets of India and then to institutions in the South-East Asian markets. After early Eighties the customer base extended all across the globe and Jambu Pershad and Sons was awarded International Tender Contracts in Philippines, Oman, Uganda, Sudan, Ethiopia, Kuwait, Yemen, Jordan, Kenya, Iraq (UN Oil for Food program), Zambia, Ghana, Sri Lanka and Carribean. All the contracts have been successfully executed and completed to full satisfaction of respective Ministries of Education, United Nation bodies, World Banks projects and Asian Development Bank. Other than global contracts, JAPSON has a wide dealer network in all parts of globe including Major parts of Africa, Asia, Middle-East including Saudi Arabia, Oman, Turkey and Iraq, South East Asia, European countries and Caribbean resulting in healthy relationship with every market.

Since Nineties JAPSON with its growing team of Engineers, Science Graduates and Diploma Holders have forayed into the field of Analytical and Research Equipments. We at JAPSON work towards understanding the End customer needs and providing the complete solution for University, Industry, Research and Analytical Laboratories. JAPSON through its manufacturing facilities, Sister-concerns and tie-ups with reputed suppliers offer quality products that ensure precision working and accurate results.

This booklet is an aim at presenting our most popular products in the domain of School Laboratory and Analytical Equipments. Our range is very wide and we aim to cater all your needs to the best of our abilities.



Workshop/Warehouse



Product Display



Corporate Office

Table of Contents

Glassware	1-9
Plasticware	10-17
Biology Models	18-26
Molecular Model Set	27
Dissecting Instruments	28-30
Rocks & Mineral Set	31
Charts, Slides & Specimens	32
Microscope	34-37
Physics	38-96
Meters	38-39
Magnets	40-41
Optics	42-44
Heat	45-49
Balances & Weights	50-56
Standard Resistance	57-60
Magnetism	60-62
Electrostatic	62-64
Engines	65
Waves & Sounds	70-72
Metalware	72-78
Thermometer	79-80
Gas Tap & Fittings	82-83
Porcelian	84-85
Rubber	86-87
Brushes	88
Measuring Aids	89-90

glassware

glassware



Volumetric Flask

Material:- Borosilicate Glass

- Volumetric Flask
- Volumetric Flask, Amber Colour

Available in Class A and Class B with Lot or Individual Certificates

Printing : White, Amber or Blue colored marking.

Capacity : 5 ml to 5000 ml

Volumetric Flasks as per ISO Standards available.

Reagent Bottle Amber Glass

Material:- Borosilicate and Neutral Glass

All Bottles available in Narrow Mouth and Wide Mouth Configurations.

- Reagent Bottle with Plastic Stopper
- Reagent Bottle with Glass Stopper
- Reagent Bottle with DIN Type Blue Screw Cap and Pouring Ring

Capacity : 25 ml to 2000 ml



Dropping Bottle

Material:- Borosilicate Glass

All types available.

- Clear
- Amber

Printing : White, amber or blue colored marking.

Capacity : 30 ml to 500 ml

Bottles

- Aspirator Bottle
- B.O.D. Bottle
- Weighing Bottle
- Woulf Bottle
- Specific Gravity Bottle
- Wash bottle



Measuring Cylinder

Material:- Borosilicate Glass

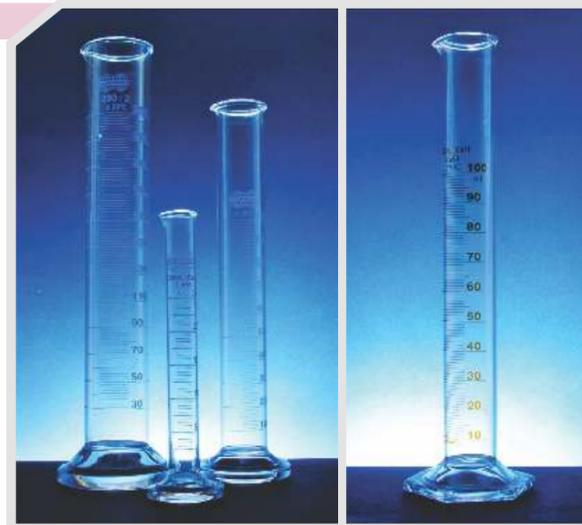
- Measuring Cylinder with Round Base
- Measuring Cylinder with Hexagonal Base
- Measuring Cylinder with Plastic Base

Available in Class A and Class B with Lot or Individual Certificates

Printing : White, Amber or Blue colored marking.

Capacity : 5 ml to 2000 ml

Measuring Cylinder as per ISO Standards available.



Reagent Bottle

Material:- Borosilicate and Neutral Glass

All Bottles available in Narrow Mouth and Wide Mouth Configurations.

- Reagent Bottle with Plastic Stopper
- Reagent Bottle with Glass Stopper
- Reagent Bottle with DIN Type Blue Screw Cap and Pouring Ring

Capacity : 25 ml to 2000 ml

Petri Dish

Material:- Borosilicate Glass and Neutral Glass

Printing : White marking.

Diameter : 50 mm to 200 mm



Funnel Separating

Material:- Borosilicate Glass

Available in Conical, Pear shape and Squib shape

- With Glass Stop Cock
- With Rota flow Stopcock
- PTFE Stopcock

Capacity : 60 ml to 2000 ml

Note : Dropping funnel also available



Funnel, Filtering

Material:- Borosilicate Glass

- Long Stem
- Short Stem
- Thistle Funnel
- Buchner Funnel

Diameter : 50 mm to 200 mm



Graduated Pipette

Material : Borosilicate Glass

Printing : White , Blue and amber colored marking.

Capacity : 0.1 ml to 25 ml

Available in Class A & Class B



Buchner Funnel, Glass with Sintered Disk

Material:- Borosilicate Glass



Volumetric Pipette

Material:- Borosilicate Glass

- Transfer Volumetric, Bulb Type
- Pipette with safety bulb
- Pasteur Pipette

Printing : White , Blue & Amber colored marking.

Capacity : 1 ml to 100 ml

Available in Class A & Class B

Note : Automatic pipette also available.

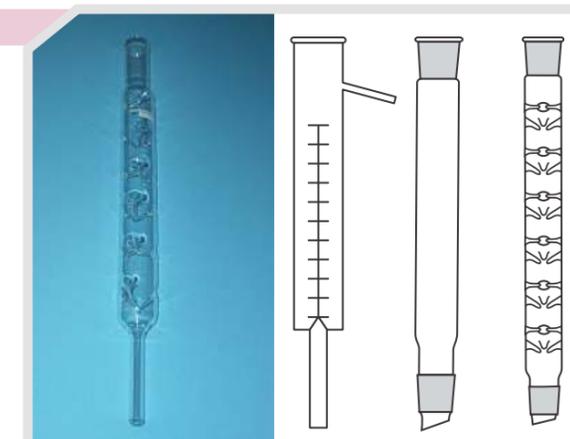


Fractionating & Chromatography Column

Material:- Borosilicate Glass

- Fractionating Column Plain
- Fractionating Column Vigreux
- Rod & Disc pattern
- Chromatography column

Note : Chromatographic column also available.



Condenser

Material:- Borosilicate Glass

- Liebig Condensor
- Allihn Condensor
- Graham Condensor
- Air Condensor

Any length available as per requirement.



glassware

glassware

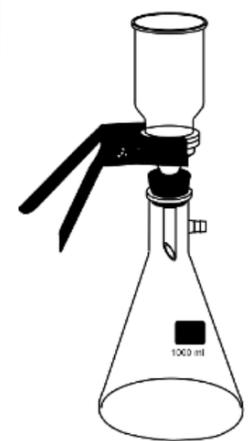
Dessicator

- Dessicator Borosilicate Glass
- Dessicator Clear Glass
- Dessicator Vacuum type with or W/t stopcock



Filter Apparatus with Gooch Crucible

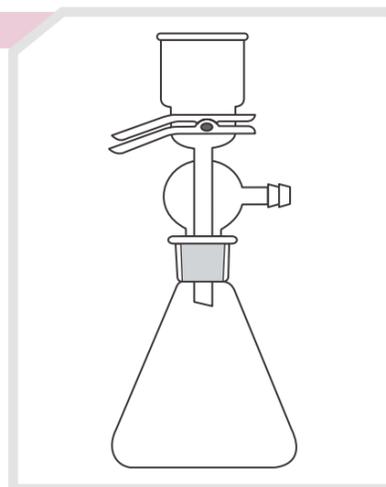
Complete with filtering flask, Gooch crucible with sintered disc of desired porosity, Glass adapter and rubber cone.



Membrane Filter Holder Assembly

With membrane support, funnel, flask and clamp. Rubber cork fitting.

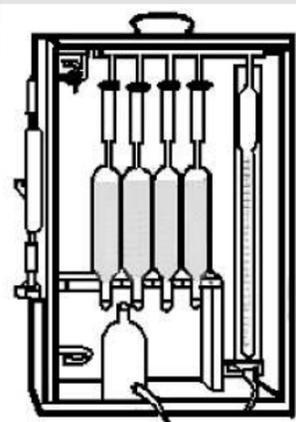
Membrane Dia. mm.	Funnel Cap. ml.	Flask Cap. ml.
25	25	250
25	50	500
47	300	1000



Orsat Gas Analysis Apparatus 3 Test

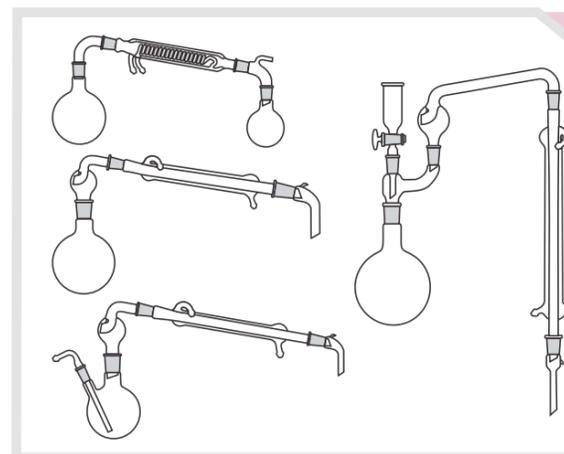
Orsat Gas Analysis Apparatus 3 Tests: For the determination of CO₂, CO and O₂ particularly in flue and furnace gases, comprising of levelling bottle, 100ml Gas burette with outer jacket, three absorption pipettes, manifold with Glass key stopcocks in wooden case with sliding doors.

Note : With manifold having Glass key stopcock similar to "Orsat Gas Analysis Apparatus 3 Test" but with four absorption pipettes.



Distillation Assembly

- Kjeldhal Type
- Steam Type
- Simple type
- Recovery assembly Type
- Reflux type
- Vacuum Distillation Assembly



Kipps Apparatus Glass

Material:- Borosilicate Glass

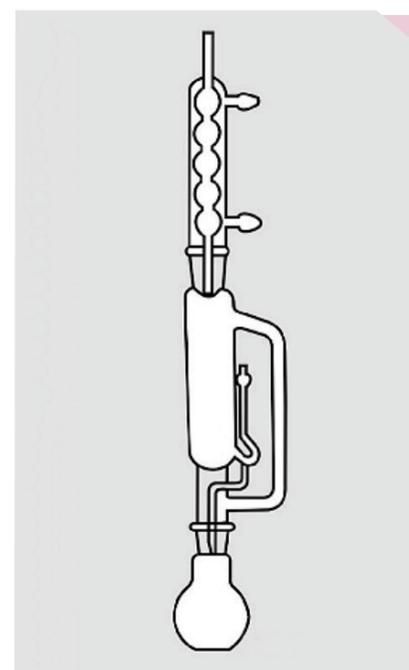
Capacity : 250ml, 500ml, 1000ml



Soxhlet Extraction Apparatus

With interchangeable joints

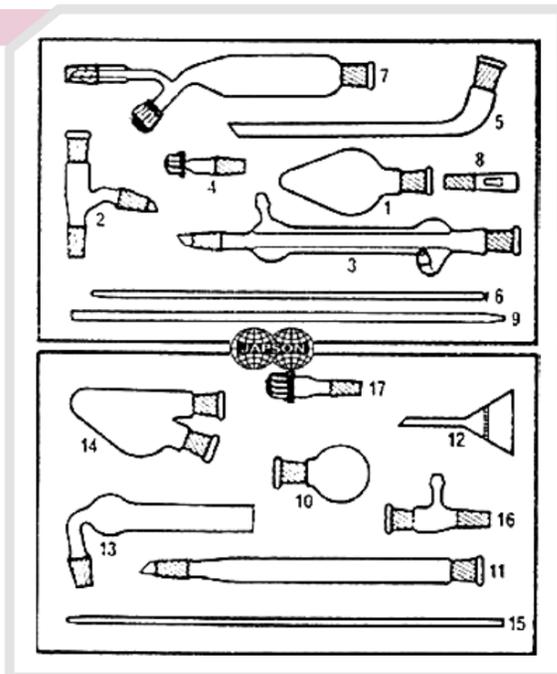
Note : Spare parts like condenser, soxhlet & flask also available.



Quick Fit Kit

- 27 G.O. organic chemistry kit
- 29 G.O. organic chemistry kit
- 34 G.O. organic chemistry kit

Custom made kits available on demand

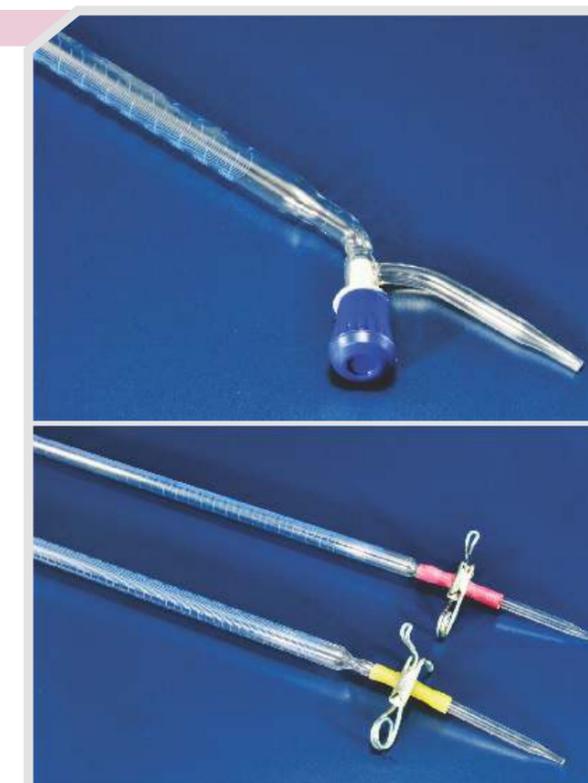


- Burette with Straight Bore PTFE Key Stopcock
- Burette with Straight Bore PTFE Key Stopcock with Schell-Bach Stripe
- Burette with Straight Bore Glass Key Stopcock
- Burette with Straight Bore Glass Key Stopcock with Schell-Bach Stripe

❖ Burettes as per ISO standard are also available.

❖ Burettes meet class A specification with individual/Lot certificate are also available.

- Burette with Rota flow Stopcock PTFE Key
- Burette with Rota flow Stopcock PTFE Key with Schell-Bach Stripe
- Burette with Pinch Clip, with Red Tubing
- Burette with Pinch Clip, with Extra Soft White Tubing



Note: Burette, Automatic Zero with reservoir, Rubber Bellow, Rota flow/Straight Bore PTFE Key Stopcock are also available.

Tubes & Vials

- Delivery Tube
- Test-tube borosilicate/ clear glass
- Culture Media tube
- Culture tube screw thread (Disposable)
- Screw cap vials
- ESR Tube
- Ignition tube
- Combustion tube
- Centrifuge tubes
- Cones , Adapter , Joints and sockets
- Bell jar with Stopper / knobbed
- Dropper
- Couplin jar
- Staining Jar
- Gas jar with Ground Flange and foot
- Pyknometer
- Pneumatic Trough
- Specimen jar
- Oswald Viscometer



plasticware

plasticware



Beaker

Beakers, molded in Polypropylene, have excellent clarity and very good chemical resistance.

Material : Polypropylene

Capacity : 50 ml to 2000 ml

Note : Also available in Euro Design.

Reagent Bottle

These bottles can be autoclaves filled as well as empty. The Polypropylene Cap has a built seal ring to make these bottles leak proof.

Material : Polypropylene

Capacity : 4 ml to 1000 ml

Note : Also available in Narrow and Wide mouth.



Burette

This Burette has a transparent acrylic body and a leak proof stopcock made fitted with a self lubricating PTFE plug. Each Burette is individually calibrated to give maximum accuracy.

Material : Polymethyl Methacrylate/TPX

Capacity : 25 ml to 100 ml



Narrow and Wide Mouth Bottles

This autoclavable bottle, made of polypropylene, can be used for storing & transferring chemicals and other reagents safe & sound.

Material : Polypropylene

Capacity : 4000 ml



Pipette Pump

A fast release pipetting device for precise pipetting & zip quick emptying. The Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip-quick emptying.

Material : Acrylonitrile Butadiene Styrene

Capacity : 2 ml to 25 ml

Aspirator Bottle

These are autoclavable , durable & dependable. The leak proof spigot screwed to the bottle body requires only a half turn to open or close. These bottles are used for storing or dispensing distilled water.

Material : Polypropylene

Capacity : 2000 ml and 20000 ml



Dropping Bottle

Dropping Bottles dispense small uniform drops of liquids when pressed lightly.

Material : Low Density Polyethylene

Capacity : 60 ml and 125 ml

Note : Also available in Euro Design.



Wash Bottle

Solutions can be poured easily by squeezing the bottle lightly. The cap is fitted with a flexible polythene delivery tube which can be aimed wherever required.

Material : Polypropylene

Capacity : 125 ml to 1000 ml

Note : Also available in new type.

plasticware

plasticware



Fisher Clamp

The spring loaded jack in the middle provided a vice like grip to the Burette and prevents it from slipping. Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8".

Material : Polypropylene

- Single Fisher Clamp
- Double Fisher Clamp

Connectors

The crest & valley structure provided at all the ends of the connectors give excellent leak proof grip to the tube.

Material : Polypropylene

- T & Y Connectors
- Cross Connectors
- L Shaped Connectors



Retort Stand

It is an excellent replacement for the metallic ones. The metallic rod has a polypropylene covering making it non-corrosive. The rod measuring 12.5mmx750mm can be screwed into the heavy base.

Material : Polystyrene/Polypropylene

Size : 225x125 mm, 300x200 mm

Dessicator

Desiccators can hold vacuum up to 740mm of Hg for 24hrs. Without greasing.

Material : Polypropylene/ Polycarbonate

- Vacuum
- Vacuum All Clear
- Plain

Size : 150 mm, 200 mm, 250 mm, 300 mm



Funnels

These long stem funnels have smooth walls, 60° cone angle and external ribs to prevent air lock.

Material : Polypropylene

- Long Stem
- Analytical

Size: 62 mm, 75 mm, 100 mm, 150 mm



Petri Dish

These Polypropylene Petri Dish are clear, unbreakable and autoclavable.

- Petri Dish (Made of PP)
- Petri Dish (Culture)
- Petri Dish (Disposable)

Atomic Model Set

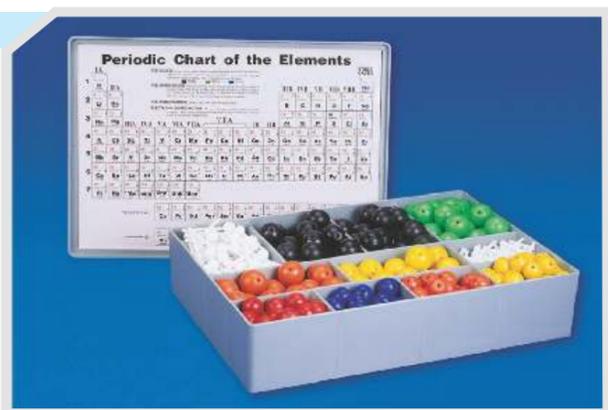
These sets are very helpful in modeling different organic & inorganic compounds.

SENIOR SET: This set consists of 185 lugs & 370 balls of prescribed colors & sizes packed in a molded box.

JUNIOR SET: This set consists of 37 connecting lugs & 75 balls of different colors & sizes packed in a molded box.

Material : Polystyrene

Note : Also available in Euro Design.



Slide Mailer

Slide mailer present the best option to carry prepared slides from one place to another.

Material : Polypropylene

Note : Slide box of 25, 50 and 100 slides are also available.

plasticware

plasticware



- Slide Storage Rack
- Float Rack
- MCT Tube Rack
- PCR Tube Rack

Centrifuge Tube

- Conical Bottom
- Round Bottom

Capacity (Conical bottom) : 15 ml & 50 ml
Capacity (Round Bottom) : 16 ml & 50 ml

Note : Oak Centrifuge Tubes also available.



Urine & Stool Container

These containers can be used for collecting a wide range of samples of sputum, urine etc.

Material : Polypropylene

Capacity : 30 ml and 60 ml

RIA Vial

- Storage Vial
- Storage Vial with O Ring
- Storage Vial – Internal Thread



- Cryo Rack
- Cryo Box (PC)
- Cryo Box (PP)



Volumetric Flask

Volumetric flask, blown in polypropylene, are stronger, unbreakable and have good contact clarity. The autoclavable flask are provided with screw caps to prevent leakage.

Material : Polypropylene

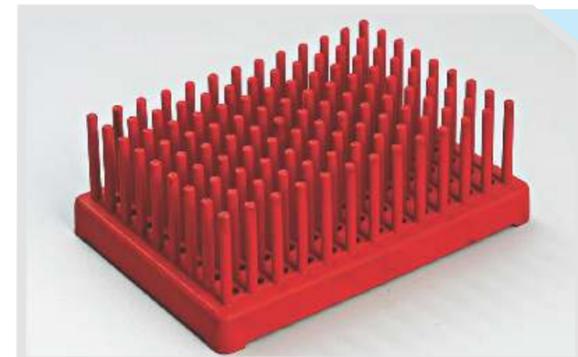
Capacity : 25 ml to 1000 ml

Test Tube Stand

- Test tube stand (6 holes/12holes)
- Test tube stand (Round)

Material : Polypropylene

Test tube stand of all the sizes are available with us.



Test Tube Peg Rack

These rack can conveniently hold inverted tubes for drying purpose and minimize collection of airborne contaminants inside the tubes .This rack can also be used to hold and dry electrophoresis and chromatography plates.

Material : Polypropylene

Size : 50 Places and 96 Places

plasticware

plasticware



Pipette Stand

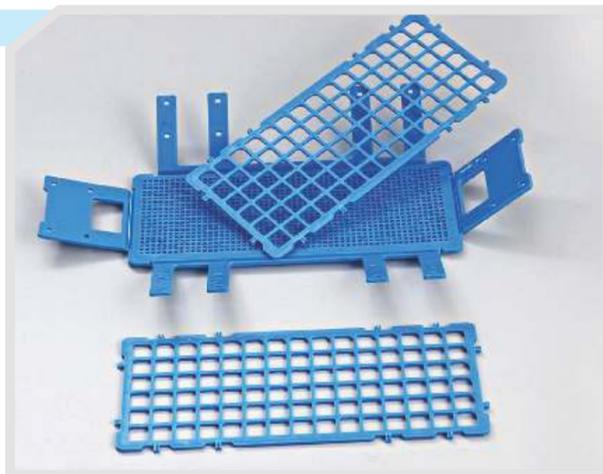
- Horizontal
- Vertical
- 94 Pipette - Rotary

Test Tube Stand (Wire pattern)

These ingenious racks with a 3-tier provide a clear view of the tube contents and convenient insertion and removal of tubes. The PC rack has the transparent upper and middle plates, whereas in PP racks every part is colored and opaque. These autoclavable racks can withstand sub freezing temperature.

Material : Polypropylene and Polycarbonate

Test tube stand of all the sizes are available with us.



Measuring Cylinder

These autoclavable cylinder have raised prominent graduation for easy reading and have excellent contact clarity. The broad base provides good stability.

- Round Base
- Hexagonal Base
- TPX Type

Material: Polypropylene
Capacity : 10 ml to 2000 ml

Measuring Jug

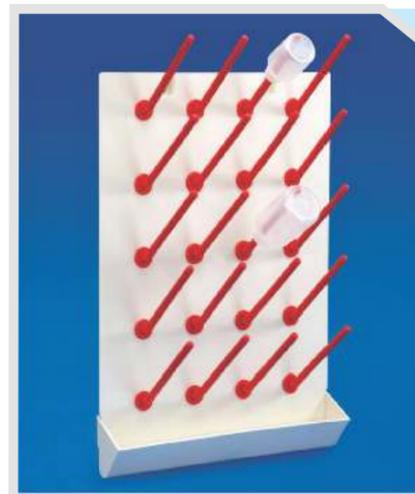
These handy jugs are clear autoclavable and have good chemical resistance. These jugs are provided with a handle for easy and convenient lifting and have raised graduation for easy reading.

Material : Polypropylene
Capacity : 10 ml to 2000 ml

Note : Euro Design are also available.



- Laboratory Tray
- Utility Tray
- Carrier Tray
- Instrument Tray



Draining Rack

Draining rack provides an excellent option for post wash draining of tubes and bottle in the laboratory. the back plate has 20 holes into which pegs are tightened with the help of screw nuts. Bottom of the rack is provided with a tray which collects all the waste water drained down .This rack does not stain or rust.

Material: Acrylopritrile Butadiene

- Conical Measure
- Separating Funnel
- Storage Boxes
- Spatula



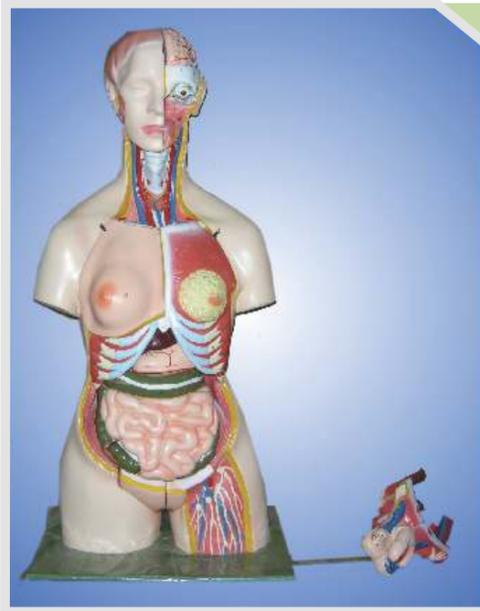
Pipette tips and Pipette box

Pipette tip:

Material : High quality Polypropylene
Sterilized and non Sterilized
Capacity : 0.1ul – 10 ul , 1-200ul , 100-1000ul

Pipette Box :

Material : Polypropylene
Withstand autoclaving and freezing
Capacity : 10 ul to 1000ul



Human Torso

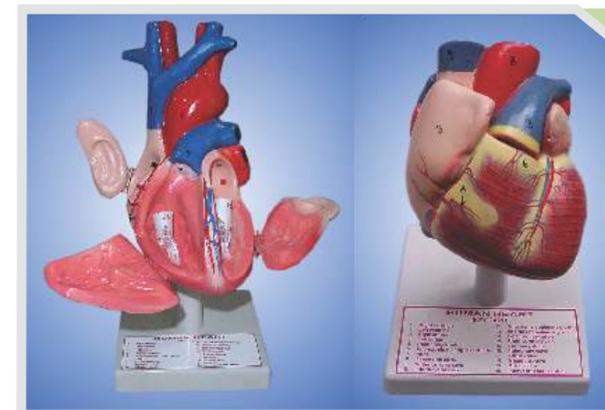
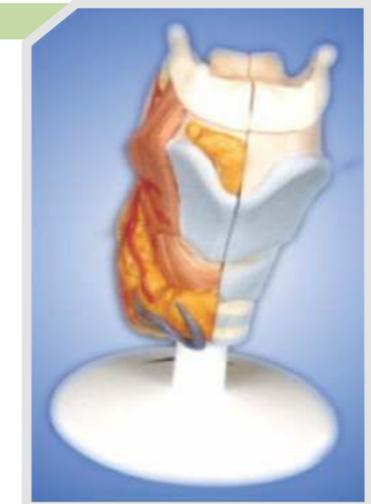
Easily removable parts makes them an excellent teaching Aids . Appropriately coloured, nicely finished and numbered with key card.

- Human Torso, Mini
- Human Torso, 10 parts
- Human Torso Unisex, 12 parts
- Human Torso ,13 parts, Male & Female
- 14 parts, Sexless
- Human Torso With Interchangeable Sex Organs (Male & Female), 24 parts
- Human Torso With Muscles and Open Back, 27 parts
- Human Torso With Interchangeable Sex Organs, Muscles and Open Back, 23 parts
- Human Torso Unisex, 23 parts

Human Larynx

This model is of full size divided into 2 parts showing muscles, thyroid glands, larynx, hyoid bone, wind pipe, ligaments, vessels, nerves. Mounted on a base, Appropriately coloured & nicely finished. Numbered with key card.

- Human Larynx Full size, 3 parts



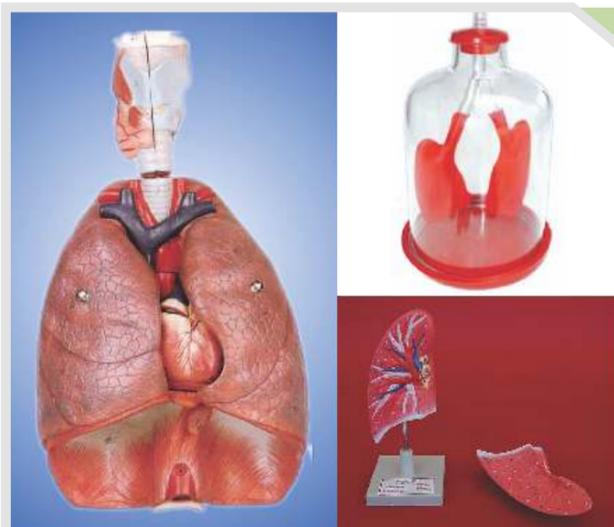
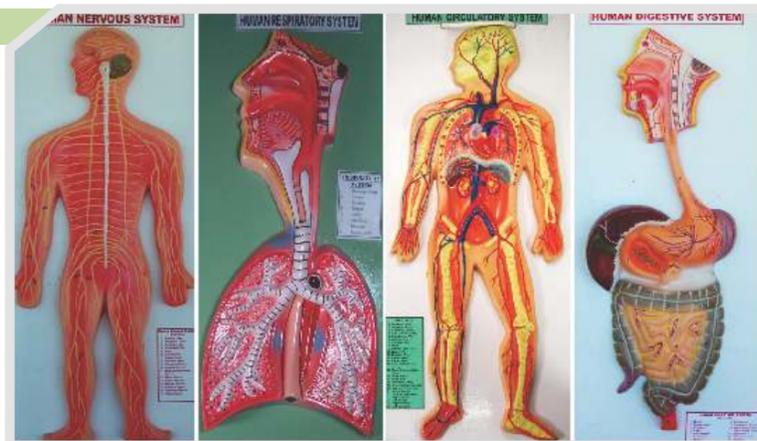
Human Heart

This model is enlarged upto 2 -3x than original size, It shows atria with auricles, the coronary sulcus, the coronary and pulmonary blood vessels, and segments of the oesophagus, trachea, aorta, and vena cava. It represents a portion of the pericardium. Mounted on a base, appropriately coloured & nicely finished. Numbered with key card.

- Human Heart, 2 parts
- Human Heart, 3 parts
- Human Heart, 4 parts
- Human Heart, Jumbo

Note: Demonstration model (Human Heart, Pumping) also available.

- Human Nervous System
- Human Respiratory System
- Human Circulatory System
- Human Digestive System



Human Lung

This model is divided into two parts showing bronchioles connecting to alveolar ducts. Mounted on a base, appropriately coloured and numbered with key card.

- Human Lung With Heart & Larynx
- Human Lung With Heart
- Human Lung Segment, Transparent
- Human Lung ,Demonstration Model

Human Kidney

This model demonstrate all the important parts of the kidney. Appropriately coloured and numbered with key card.

- Human Kidney On Stand
- Human Kidney On Board
- Human Kidney Free Standing on Board

Note: Kidney Stone Model Also Available



biology

biology



Human Liver

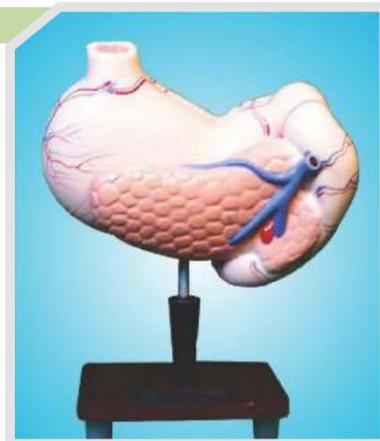
The model showing the Liver, Gall Bladder, Right Hepatic Duct, Left Hepatic Duct, Cystic Duct, Duodenum, Pancreatic Duct, Pancreas. Mounted on a base, appropriately coloured and numbered with key card.

- Human Liver With Pancreas & Duodenum
- Human Liver With Gall bladder

Human Stomach

This model magnified 2 times the natural size. Shows the morphology of the stomach in a distended state with the longitudinal section, also shows the structures of the gastric folds, pyloric valve, pyloric sphincter muscles, gastric mucosa and the transitional mucosa of the gastric-esophagus.

- Human Stomach On Stand
- Human Stomach On Board



Human Skin

This 3 layer model shows the hair covered skin of the head representing hair follicles with sebaceous glands, sweat glands, receptors, nerves and vessels. Mounted on a base, appropriately coloured and numbered with key card.

- Human Skin ,Standing
- Human Skin ,On Board

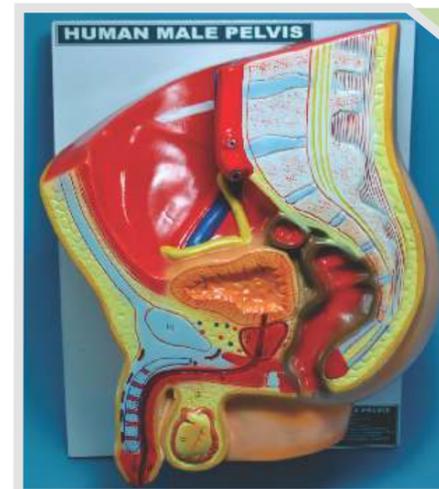
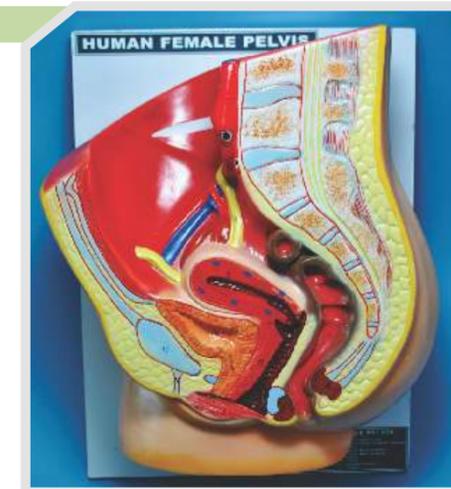
- Human Hypertension Model
- Human Intestinal Villus
- Human Pancreas, Spleen & Duodenum



Human Pelvis Female

Life size, right half of the pelvis showing female reproductive organs, bladder, uterus, rectum and ovary. Mounted on base economically priced, with numbered key cards.

- Human Pelvis Female, 2 parts
- Half pelvis
- Human Pelvis Female With Muscles & Organs

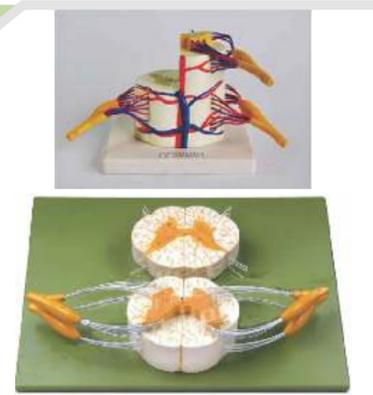


Human Pelvis Male

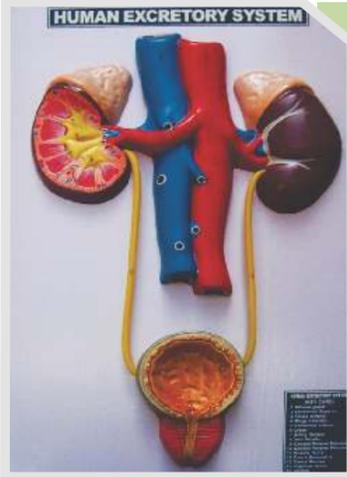
This model is non dissectible. Male pelvis showing internal and external reproductive organs and other vital organs of the pelvic area. Mounted on a base, appropriately coloured and numbered with key card.

- Human Pelvis Male, 2 parts
- Half pelvis

- Human Vertebral & Partial Spinal Cord
- Human Spinal Cord in the Spinal Canal
- Human Spinal Cord



- Human Male Genital Organs
- Human Female Genital Organs



Human Urinary System

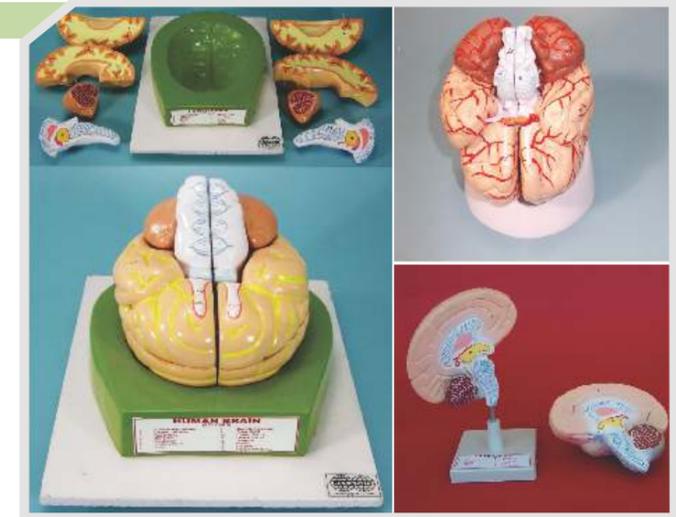
This model Showing urinary bladder, kidneys with ureter, adrenal glands, bladder with prostate and major blood vessels. Kidney and bladder prostate are removable. Mounted on base with numbered key card.

- Human Urinary System On Board
- Human Urinary System (Deluxe)

Human Brain Model

Life-size. On stand, Appropriately coloured and numbered with key card.

- Human Brain Model, 2 parts
- Human Brain Model, 4 parts
- Human Brain Model, 8 parts
- Human Brain Model, In Head



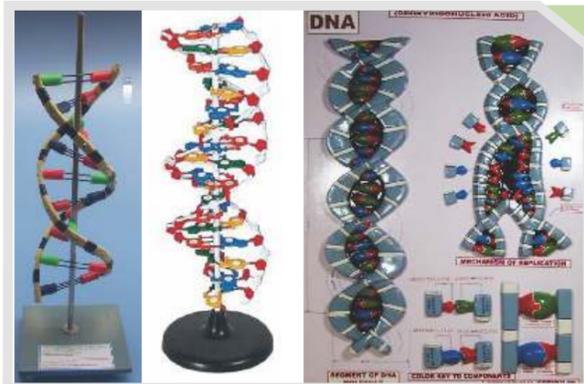
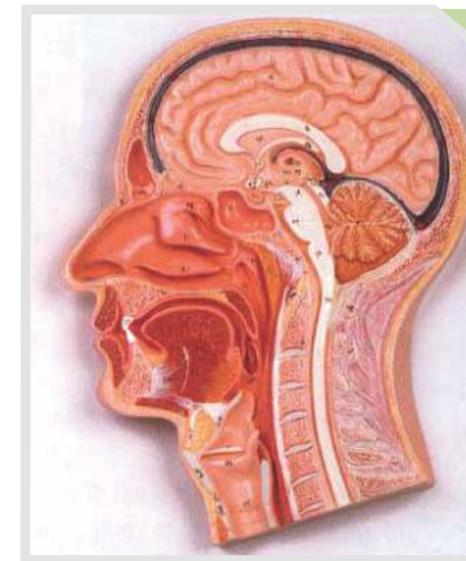
Human Male Urogenital
Human Female Urogenital



Human Head Model

This head model is divided into 6 parts to ensure the features of half brain with arteries. one side exposes the nose, mouth cavity, pharynx, occiput and skull base. Appropriately coloured and numbered with keycard.

- Head & neck
- Head Model with Muscles
- Head Model, Median & Frontal Section
- Model of Human Cranial Cavity Head, Neck and Thorax



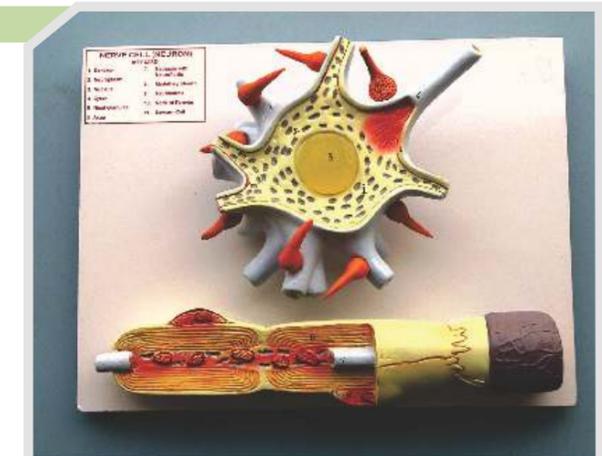
Human DNA Model

It shows segment of DNA Molecule and mechanism of replication. Appropriately coloured with numbered key card.

- DNA Model, On Base
- DNA Model Standing, Economy
- DNA Model Plastic Assembly Kit
- DNA Model Simulation Kit

Human Neuron Model

This model showing neuron structure medulated nerve fibre, axon, myelin sheath and nodes of ranvier etc. It is 2500 times larger then the original size. Mounted on the base, appropriately coloured and numbered with keycard.



Human Nose

This enlarged model that shows structure of the nose Mounted on stand, appropriately coloured and numbered with keycard.

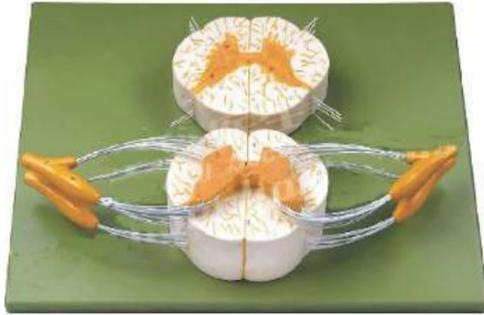
- On Stand
- On Board



biology

biology

Human Spinal Cord Model



This model shows the central nervous system containing two sets of model. The spinal cord contains white and grey matter, sulci, ganglion and fissures. The model of the spinal cord with nerve branches displace the ventral and dorsal roots of the spinal nerve. The two models are mounted on a base, appropriately coloured & numbered with key card.

Human Ear Model

This version is 4-5 times larger than the original for easy demonstration. Appropriately coloured & nicely finished. Numbered with key card.

- Human Ear Model, 3 parts
- Human Ear Model, 4 parts
- Human Ear Model, 5 parts

Note: PVC plastic model also available.



Human Eye Model

This model is 3 times enlarged and divided into six parts. Both halves of sclera with cornea, eye muscle attachments, choroid with iris, retina, lens and vitreous humor can be separated for study. Mounted on a stand, appropriately coloured & nicely finished. Numbered with key card.

- Human Eye Model Enlarged 3 times
- Human Eye Model Enlarged 5 times
- Human Eye Model With Eyelids
- Human Eye kit Model (Functional)



Human Teeth Model

This model enlarged for demonstration to a group. Appropriately coloured & nicely finished.

- Dental Care
- Small
- Dentition Development on Stand
- Lower Jaw
- Upper & Lower Jaw
- Upper & Lower Jaw with Partial Skull

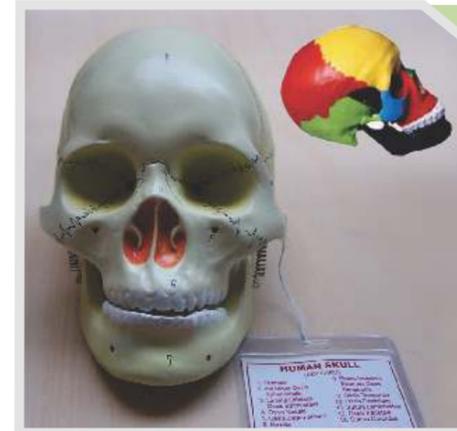


- Human Teeth Model, Lower Molar with One Root
- Human Teeth Model, Tripe Root Molar
- Human Teeth Model, Incisor

Human Skull Model

The model showing the teeth of the upper and lower jaw. Made of a mix of fibre glass and clay. Numbered with key card.

- Human Skull Model Plastic
- Human Skull Model Life Size, Coloured



Human Joint's Model

- Human Joint Model, Arm
- Human Joint Model, Shoulder
- Human Joint Model, Elbow
- Human Joint Model, Hand
- Human Joint Model, Knee
- Human Joint Model, Hip
- Human Joint Model, Leg



Human Skeleton Model

The life size model of skeleton duly articulated and made up of a mix of clay and fiber glass. Numbered with key card. Available with and without stand.

- Human Skeleton Model Full Size
- Human Skeleton Model Half Size
- Human Skeleton Model Small, Plastic
- Human Skeleton Model With Internal organs & Muscles



Animal Cell / Plant Cell



Animal Cell:

Enlarged about 20,000 times, it shows structure of the animal cell. In addition to the organelle like nucleus, endoplasmic reticulum, mitochondria, ribosomes, polysomes and golgi apparatus, the model also shows centrioles, lysosomes and fat vacuoles. The single piece model is mounted on a stand & also available on base. Appropriately coloured with numbered key card.

Plant Cell:

Enlarged about 20,000 times, it shows structure of the plant cell. The single piece model is mounted on a stand & also available on base. Appropriately coloured with numbered key card.

Animal Cell/Plant Cell, Mitosis & Meiosis

Animal Cell, Mitosis:

A set of 10 small models, enlarged in size showing cell division, different stages, which can be easily identified like, prophase, metaphase, anaphase, telophase and daughter cells.

Animal Cell, Meiosis:

A set of 12 small models, enlarged in size showing cell division, different stages, show the details of chromosomes.

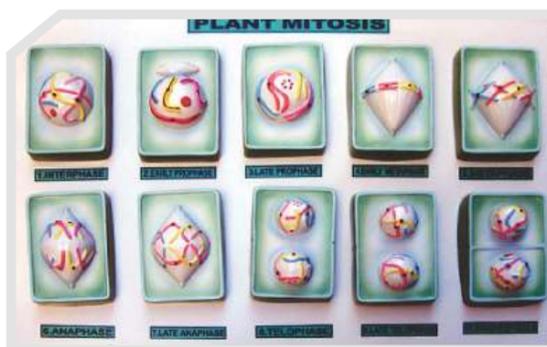
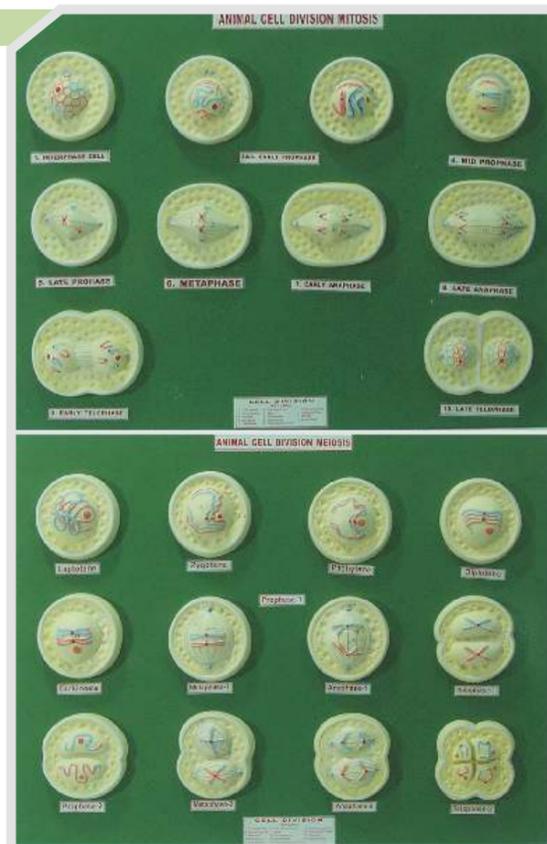
Plant Cell, Mitosis:

A set of 10 small models showing all the stages of karyokinesis and cytokinesis from metabolic cells of the formation from one cell to two cells.

Plant Cell, Meiosis:

A set of 12 small models showing the concept of chromosomes changes from nucleus to the formation of four daughter cells.

Note: This model is available on board and stand with numbered keycard.

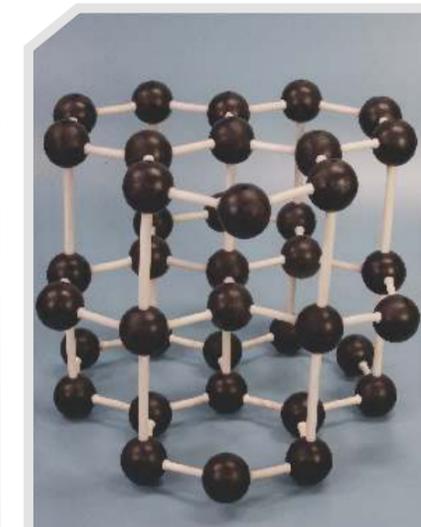
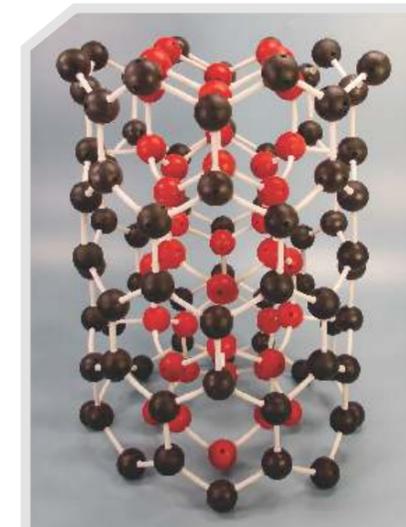
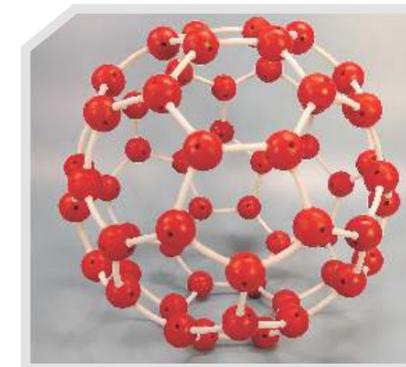
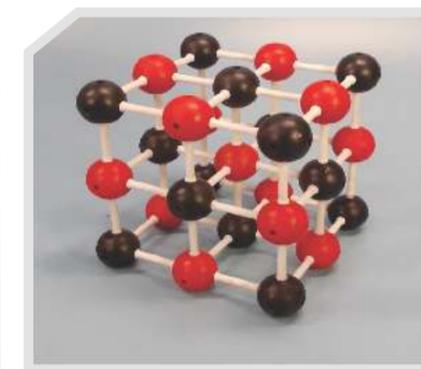
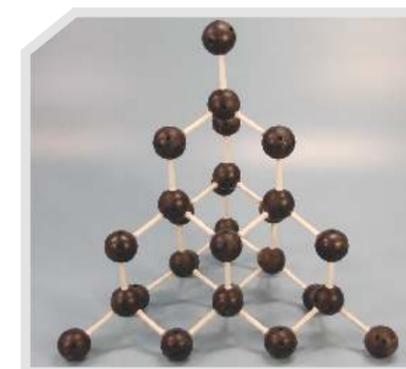
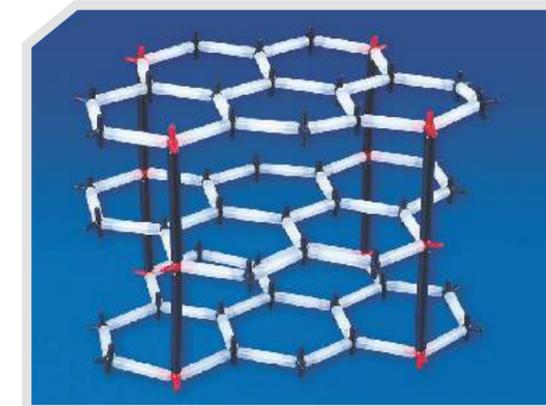


Molecular Set

These Molecular Model sets contain different coloured jacks (Red, Black & white) & connectors (long & short) in a prescribed number to be joined together in an illustrated way to form structures of Diamond, Graphite & Sodium chloride.

Also Available :

- Atomic organic student
- Atomic Inorganic Student
- Calcium Fluoride Model set
- Quartz Model set
- Sodium Chloride Model set
- Diamond Model set
- Graphite Model set
- Buckminsterfullerene Model set
- Zinc Blende Model set
- Detergent and soap Model set
- Nylon 66 Model set



Dissecting Set

Standard Student Dissecting Kits with all Instruments of High Quality.

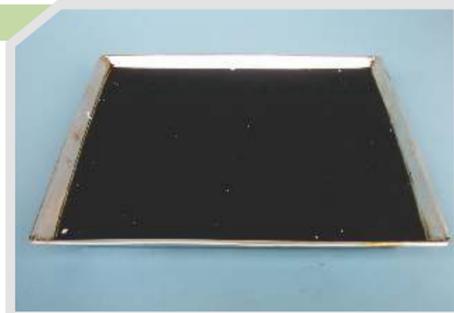
- Dissecting Kit, 14 Instruments
- Dissecting Kit No 118, 18 Instruments
- Dissecting Kit No 119, 18 Instruments
- Note: Kits are available in Box and Pouch.



Dissecting Tray

In Sheet with Angular Sides.

- Dissecting Tray, in Aluminium with wax layered bottom surface.
- Dissecting Tray, in Aluminium without wax layered bottom surface.
- Dissecting Tray, in G.I. sheet with wax layered bottom surface.
- Dissecting Tray, in G.I. sheet without wax layered bottom surface.



Dissecting Board

Soft wood board with raised edges. Pin can be easily pressed with the help of hand only.

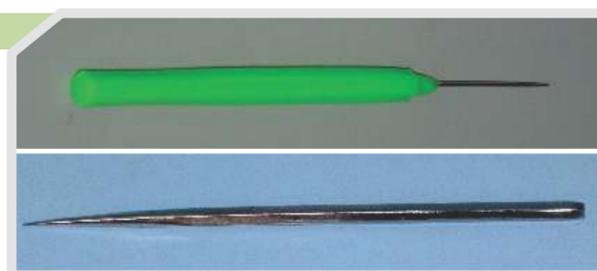
Note: Custom made size also available on request.



Dissecting Needle

Steel, sharp pointed needle. Size between 110-125mm.

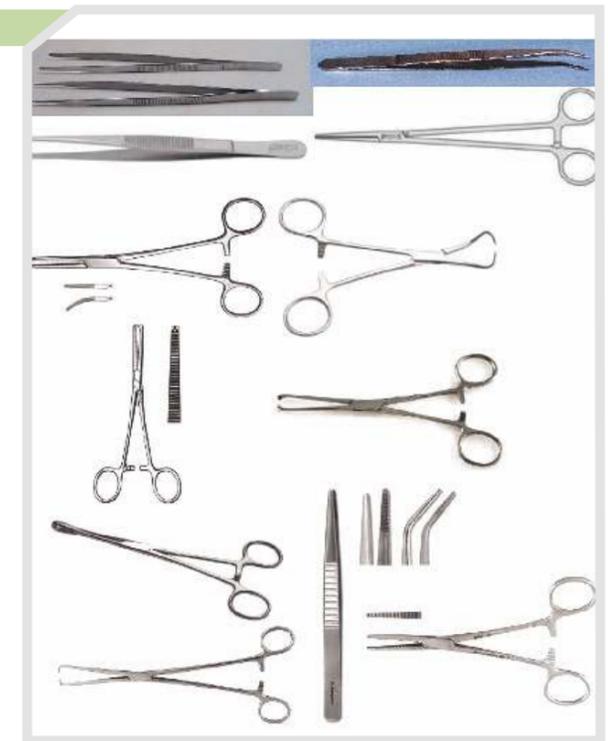
- Dissecting Needle, With Plastic Handle
- Dissecting Needle, With Hardwood Handle
- Dissecting Needle, Metallic



Forceps

Stainless Steel, fine finishing

- Forceps, Sharp
- Forceps, Blunt
- Forceps, Curved
- Forceps, Toothed
- Forceps, Artery
- Haemostatic Forcep
- Forceps Hemostat Straight Kocher (Ochsner)
- Sponge Holding Forcep
- Forceps Uterine Tenaculum
- Backhaus Towel Forcep
- Allis Tissue Forcep
- Forceps Tissue Spring Type 1x2 Teeth
- Forceps Dressing Spring Type
- Forceps, Plastic
- Note: Different sizes available.



Dissecting Scissors

Stainless Steel, fine finishing

- Scissors, Blunt-Blunt, Closed Shank
- Scissors, Blunt-Sharp, Closed Shank
- Scissors, Sharp-Sharp, Closed Shank
- Scissors, Curved (Surgical), Closed Shanks
- Scissors, Curved with Very Fine Points (Dissecting), Closed Shanks
- Scissors, Angular Scissors
- Scissors, Bone Cutter
- Scissors, with plastic Handle
- Scissors, Tailor type
- Scissors Bandage Angular Lister, Lower Blade With Flattened Probe - Stainless Steel, Long, Angular Blade Type, Stainless Steel
- Scissors Episiotomy Angular Braun
- Scissors Uterine Curved Sims, Type: Sims, Curved, Blunt Point, Stainless Steel
- Iris Scissor, Stainless Steel, Pointed, Straight & Curved
- Kilner Scissor, Long, Type: Mayo, Straight Double Blunt, Stainless Steel
- Metzenbaum Scissor Stainless Steel, Straight & Curved



Note: Different sizes available.



Scalpel Handle

Stainless steel handles slotted to accept standard blades.

- No. 3, to accept blades from number 10 to 15.
- No. 4, to accept blades from number 20 to 25.

Note: Scalpel Handle Fixed and Scalpel Handle, Plastic Disposable are also available.

Scalpel Blades

Sterilized, surgical quality steel blades for use with standard handles. Supplied in metal foil packing.

It is available from no. 10 to no. 25.



Note: Also Available Scalpel Blade Removing Tool for safe removal of blades.



Kidney tray / Surgical Tray

Surgical Tray

Surgical Tray, Made of Stainless steel with Cover
Different sizes as per customer demand are available.

Kidney tray

Kidney Tray, Made of Stainless steel with cover.
Sizes : 6" , 8" , 10" and 12"



Gloves

- Surgical Latex Non Sterile
- Surgical Latex Sterile
- Examination Gloves
- Polythene Gloves
- Rubber Gloves Domestic
- Industrial Gloves 12 to 24inch
- Disposable gloves
- Acid Proof Gloves
- Heat Resistant Gloves
- Nitrile Gloves

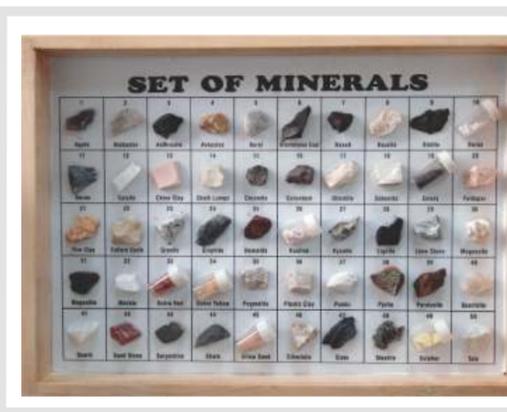


Rock Set

A rock is a naturally occurring solid aggregate of one or more minerals or mineraloids. This Collection contains Basic Rocks Specimens of Igneous, Sedimentary & Metamorphic Rocks Types. The Rock Specimens include Basalt, Diatomite, Gabbro, Gniess, Granite, Lime Stone, Marble, Obsidian, Quartzite, Rock Salt, Sand Stone & Slate etc.

- Rock Set, Collection of 9 Rocks
- Rock Set, Collection of 20 Rocks
- Rock Set, Collection of 50 Rocks

Note: Available in Different type of packing like cardboard Box 7"x5", Paper Mounting Showcase 9"x12", Polished Showcase 9"x12" and Wooden Box Polished 9"x12".



Mineral Set

A mineral is a naturally occurring substance that is solid and stable at room temperature, representable by a chemical formula, usually abiogenic, and has an ordered atomic structure. This Collection contains 20 Types of Basic Minerals Specimens. The Minerals Specimens include Some of the following Biotite, Boron, Red Ochre, China Clay, Dolomite, Feldspar, Fire Clay, Fullers Earth, Graphite, Gypsum, Mica, Pyrolusite, Quartz, Silliminite, Steatite & Sulphur etc.

- Mineral Set, Collection of 20 Minerals
- Mineral Set, Collection of 30 Minerals
- Mineral Set, Collection of 50 Minerals

Note: All types of Minerals are available.

Note: Available in Different type of packing like cardboard Box 7"x5", Paper Mounting Showcase 9"x12", Polished Showcase 9"x12" and Wooden Box Polished 9"x12".

- Ores Set, Collection of 20 Metallic Ores
- Alloys Set, Collection of 20 Alloys
- Metal Set, Collection of 12 Metals
- Igneous Rock Set, Collection of 15
- Sedimentary Rock Set, Collection of 15
- Metamorphic Rock Set, Collection of 15
- Stone Set, Collection of 20 stones





Charts

Standard Size: 50x70cm

Language: English

Laminated paper charts with plastic rollers. These charts have detailed description in vivid colours.

- Charts, Human Physiology
- Charts, Botany
- Charts, Zoology Life History
- Charts, Natural Cycles
- Charts, Chemistry
- Charts, General
- Charts, Physics

Note: Also available custom made charts in different sizes and also in different materials like synthetic plastic and tarpaulin and Black Rexin.

Note: Custom-made charts can also be made as per design and language provided by you.

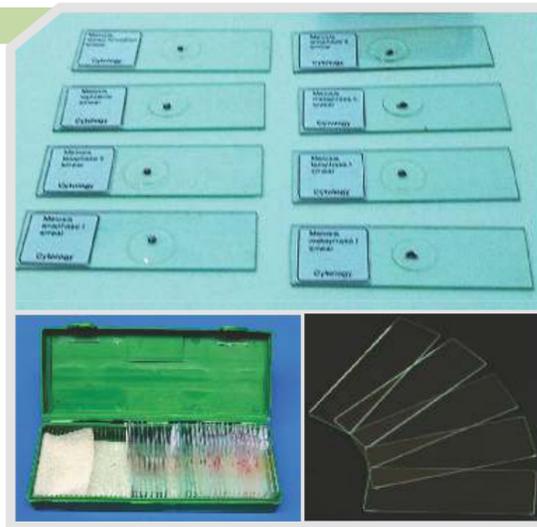
Microscope Slides

With each slide a coloured labelled description card is provided.

- Microscope Slides, Botany
- Microscope Slides, Fossil Botany
- Microscope Slides, Zoology Prepared
- Microscope Slides, Plain

Note: All slides and specimen are subject to availability of respective organism.

Note: Slides or specimen of any organism prohibited under Indian rules, law or regulation would not be supplied.



Specimens

- Specimens, Botany
- Specimens, Zoology Embedded
- Specimens, Zoology

Note: All slides and specimen are subject to availability of respective organism.

Note: Slides or specimen of any organism prohibited under Indian rules, law or regulation would not be supplied.



Centrifuge Machine, Electrical

Supplied completely with 15ml / 50 ml test tubes along with swing out rotor head. It has Digital / Manual Speed regulator. Digital Timer of range 0-59 minutes. Microprocessor based. Lid lock for safe drive.

Supply 220 volts , 50 Hz AC

Speed range from 0 to 5200 RPM.

Centrifuge machine Digital , 5200 RPM (Bench top)

Centrifuge Electrical Digital , 3000 RPM (Clinical)



Centrifuge Machine, Manual

Supplied completely with 15ml test tubes with swing out head and polyamide buckets to house test tubes. It has clamping device for fixing on table. It gives 1500 to 2500 revolutions per minute.

Clinostat , Manual

Clinostat Clock Type takes one revolution every 60 minutes for 24 hours in vertical or horizontal position. The plant is sown in the pot, with clock movement on heavy metal base. Manual Type with winding mechanism.



Clinostat, Electrical

For demonstration of heliotropism and geotropism. Germinating seedlings are pinned to the table, which is rotated by an electric motor at 4 revolutions per hour. The motor is spindle mounted and may be clamped by a thumbscrew so that the plane of table can be set at any angle between horizontal and vertical. A plastic cover is provided for the table to shield the seedlings from draughts. Supplied with 3-core AC mains cable.



microscope

microscope

Student & Medical Microscope



We offers huge range of Student and medical microscope used in various schools, colleges and university laboratory for the purpose of teaching students.

- Student Microscope Regular
- Student Microscope, Superior
- Student Microscope with Inclined Tube

Note: Medical Microscope for Secondary School with Inclined Tube also available.

Projection Microscope

We offers huge range of Projection microscope allowing the simultaneously observation of many persons and maximize the educational efficiency without fatigue of eyesight. This microscope is compact in design and can be easily operated for long duration. It provides distortion free high contrast magnified image.

- Student Projection Microscope Doom Type
- Projection Microscope, Wall Screen
- Senior Projection Microscope
- Projection Microscope with Binocular & Trinocular Head



Projection Microscope with LCD Screen

We offers huge range of Projection microscope allowing simultaneously observation of many persons and maximize the educational efficiency without fatigue of eyesight with LCD screen to have proper visualization. This microscope is compact in design and can be easily operated for long duration. It provides distortion free high contrast magnified image.

- Projection Microscope, Economy Type
- Projection Microscope with Binocular Head & LCD Screen
- Projection Microscope, 45°
- Projection Microscope, 30°



- Dissecting Microscope
- Travelling Microscope



Stereo Microscope

We offers huge range of Inclined Stereo microscope used in various schools , colleges and university laboratory having sharp stereo effect image over a wide-field of view.

- Stereo Microscope, Basic
- Stereo Microscope with Extension Pillar
- Stereo Microscope with Attachable Base & Mirror Illumination



Inclined Stereo Microscope

We offers huge range of Inclined Stereo microscope used in various schools , colleges and university laboratory with inclined tubes having sharp stereo effect image over a wide-field of view.

- Inclined Stereo Microscope, Basic
- Inclined Stereo Microscope with Extension Pillar
- Inclined Stereo Microscope with Attachable Base & Mirror Illumination
- Inclined Stereo Microscope with Illumination System

Research Stereo Microscope

We offers huge range of Research Stereo Microscope used in various schools , colleges and university laboratory for study of translucent or opaque objects with dual lighting system. Give three dimensional view over a wide field, flat sharp erect and universal image. Long working distance. And large field of view. Parfocal high to low power quick changing paired objectives rotatable through 90° inclined binocular stereo head at 45° with eye tubes for optimum and comfort viewing , rotatable through 360° lockable in any position.

- Research Stereo Microscope with Turret Mount
- Research Stereo Microscope with Turret Mount & Dual Illumination
- Research Stereo Microscope with Universal Stand, Turret Mount



microscope

microscope

Monocular Research Microscope



We offers huge range of Monocular Research Monocular microscope used in research institute and laboratory to meet the stringent requirement of person. All the parts are made of pressure die cast to provide modularity long life and uniformity .

- Monocular Research Microscope, Basic
- Monocular Research Microscope, Co-Axial Focusing 45°

Binocular Research Microscope

We offers huge range of Binocular Research Monocular microscope used in research institute and laboratory to meet the stringent requirement of person . All the parts are made of pressure die cast to provide modularity long life and uniformity .

- Binocular Research Microscope, Basic
- Binocular Research Microscope, Co-Axial 45°
- Binocular Research Microscope, Co-Axial 30°



Trinocular Research Microscope

We offers huge range of Trinocular Research Monocular microscope used in research institute and laboratory to meet the stringent requirement of person . All the parts are made of pressure die cast to provide modularity long life and uniformity .

- Trinocular Research Microscope, Basic
- Trinocular Research Microscope, Co-Axial 45°
- Trinocular Research Microscope, Co-Axial 30



- Fluorescent Microscope, Research
- Fluorescent Microscope, Malaria Detection
- Inverted Fluorescent Microscope



- Doctor Microscope, ENT (Floor Model)
- Doctor Microscope, Eye (Floor Model)
- Slit Lamp Microscope



- Tissue Culture Microscope, Binocular/Trinocular
- Inverted Tissue Culture Microscope



- Metallurgical Microscope, Monocular/Binocular
- Laboratory Metallurgical Microscope
- Inverted Metallurgical Microscope

❖ A complete range of High End Microscopes for Research/Medical laboratory are available.

❖ All types of Microscope's Accessories are available.



- Dual Viewing Microscope
- Penta Head Multi-Viewing Microscope
- Penta Head Multi-Viewing Microscope, Research



- High Precision Comparison Microscope
- Tool Maker Microscope
- Inverted Biological Microscope
- Student Polarizing Microscope

METERS

physics

physics



Moving Coil Meter, Round Dial, Top Terminal

Unbreakable ABS plastic black or white desk stand with 4mm terminal at the top.

- Ammeter (0-1A to 0-30A)
- Milli-Ammeter (0-1mA to 0-750mA)
- Micro-Ammeter (0-25uA to 0-1000uA)
- Voltmeter (0-1V to 0-300V)
- Milli-Voltmeter (0-25mV to 0-500mV)
- Galvanometer (1-0-1mA & 3.5-0-3.5mA, 35-0-35mV, 30-0-30 sensitivity 200μA/division)

Note: Dual ranges and triple ranges are also available.

Moving Coil Meter, Round Dial, Front Terminal

Unbreakable ABS plastic black or white desk stand with 4mm terminal at the front.

- Ammeter (0-1A to 0-30A)
- Milli-Ammeter (0-1mA to 0-750mA)
- Micro-Ammeter (0-25uA to 0-1000uA)
- Voltmeter (0-1V to 0-300V)
- Milli-Voltmeter (0-25mV to 0-500mV)
- Galvanometer (1-0-1mA & 3.5-0-3.5mA, 35-0-35mV, 30-0-30 sensitivity 200μA/division)



Note: Dual ranges and triple ranges are also available.



Moving Coil Meter, Rectangular Dial, Front Terminal

Unbreakable ABS plastic black or white desk stand with 4mm terminal at the front.

- Ammeter (0-1A to 0-30A)
- Milli-Ammeter (0-1mA to 0-750mA)
- Micro-Ammeter (0-25uA to 0-1000uA)
- Voltmeter (0-1V to 0-300V)
- Milli-Voltmeter (0-25mV to 0-500mV)
- Galvanometer (1-0-1mA & 3.5-0-3.5mA, 35-0-35mV, 30-0-30 sensitivity 200μA/division)

Note: Dual ranges and triple ranges are also available.

Digital Meter

Desk stand type digital meters covering almost the entire range required, for general purpose laboratory use having LCD display 3½ of digit and 13mm height and 9volt battery operated.

- DC Ammeter/Milli-ammeter (199.9uA to 19.9A)
- DC Voltmeter (199.9mV to 500V)



Multi-Range Meter

Multi-Range Ammeter & Voltmeter are designed for schools & colleges to measure voltage & current in a DC circuit.

Measuring Range:

- Current: 0- 100 μA- 100 mA- 1A-5A
- Voltage: 0-100 mV- 1V- 10V- 50V



Ohm Meter

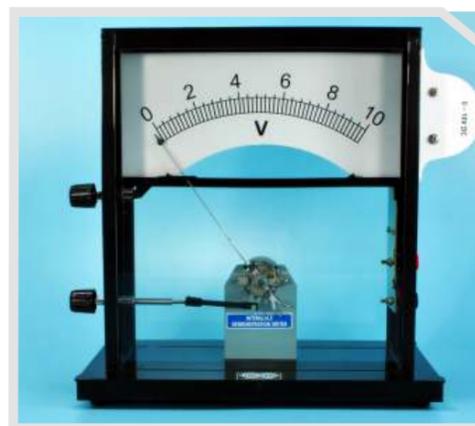
Ohm Meters is designed for measuring the resistance in electric circuits. It is housed in unbreakable ABS case with clear transparent front cover and operated on 1.5V AA cell.

- 0-100ohms

Galvanometer

This galvanometers has 4mm color coded socket terminal is provided for input and sensitivity adjustment knob at the front. Operates on 220-240V AC 50/60Hz.

- Spot Reflecting Galvanometer
- Galvanometer, EDSPOT
- Galvanometer, Ballistic



Demonstration Meter

Demonstration meter is used for schools and colleges to demonstrate all the parts of the meter.

- Demonstration Meter, Interscale
- Demonstration Meter, Vertical
- Demonstration Meter, Horizontal

Note: Scales Interchangeable for demonstration meter are also available.

MAGNETS

physics

physics

Magnetic Kit



A comprehensive kit of magnets and accessories enabling students to explore various concepts associated with magnetism. All components comes nicely packed in a compartmented storage tray.

Note: Custom made kit of all types are also available as per customer's requirement.

Bar Magnet

Alnico magnets of superior strength. Supplied in pairs, red and blue painted with keepers.

- Size : 50x12x5mm
- Size : 75x12x5mm
- Size : 100x12x5mm
- Size : 150x12x5mm
- Size : 200x12x5mm



Note: Chrome Steel magnets of moderate strength are also available.

U-Shape Magnet



Alnico magnets of superior strength, with keeper. North pole is marked.

- Size : 15x6x75mm
- Size : 15x6x100mm
- Size : 15x6x150mm
- Size : 15x8x75mm
- Size : 15x8x100mm
- Size : 15x8x150mm

Note: Chrome Steel magnets of moderate strength are also available.

Floating Ring Magnet

Contain ceramic ring magnets of size 38x5mm (outer diameter x height). Magnets are painted in different colours and put on a vertical non-magnetic rod mounted on base. Floating effect simulated by the repulsion between the magnets.

- Floating Ring Magnets with 3 Magnets
- Floating Ring Magnets with 5 Magnets
- Floating Ring Magnets with 7 Magnets



Horse Shoe Magnet

Made up of chrome steel with moderate strength, with keepers and painted in red.

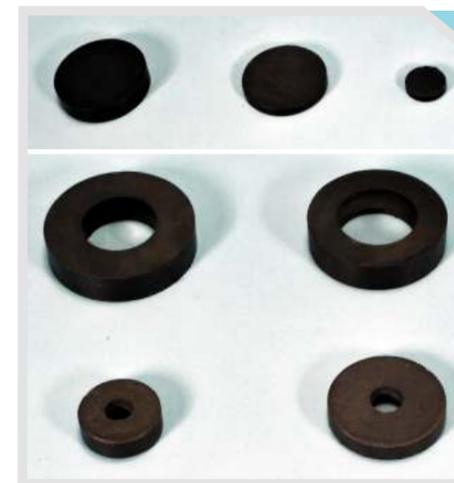
- Size : 50 x 12 x 5mm
- Size : 75 x 12 x 5mm
- Size : 100 x 12 x 5mm
- Size : 150 x 12 x 5mm
- Size : 200 x 12 x 5mm
- Size : 50 x 12 x 10mm
- Size : 75 x 12 x 10mm
- Size : 100 x 12 x 10mm
- Size : 150 x 12 x 10mm
- Size : 200 x 12 x 10mm



Note: Alnico magnets of superior strength are also available.

Ferrite Discs

Ferrite disc magnets. Basic properties include low cost and high coercivity. They are also hard and brittle.



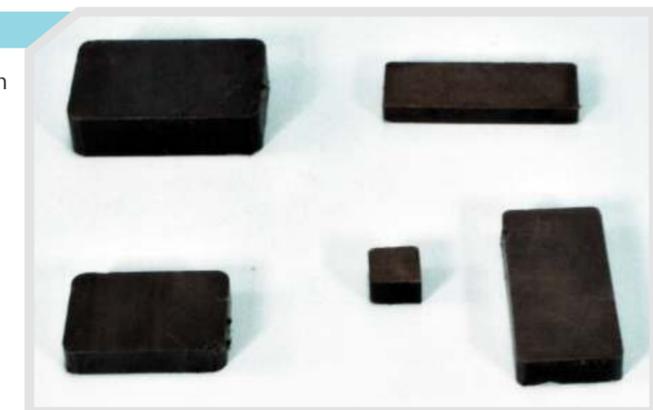
- Size : 15x3mm
- Size : 18x5mm
- Size : 20x3mm
- Size : 30x5mm
- Size : 32x4mm
- Size : 35x8mm

Note: Ferrite rings are also available.

Magnadur Magnets

High Field strength. Ceramic and Rectangular, in natural finish.

- Size : 10x10x6mm
- Size : 30x20x6mm
- Size : 40x15x5mm
- Size : 40x20x6mm
- Size : 40x25x8mm
- Size : 40x25x10mm
- Size : 45x20x6 mm (Standard)

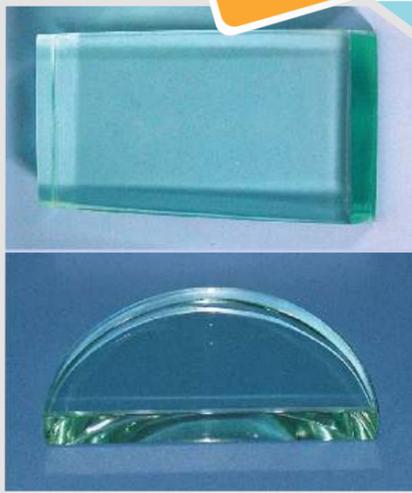


OPTICS

physics

physics

Glass Block, Rectangular

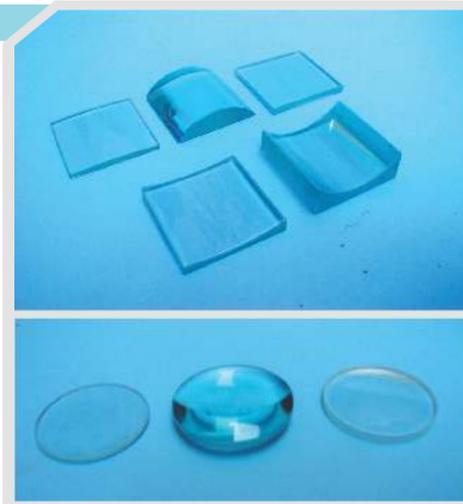


Made from Moulded glass with polished surface. Used in refraction experiment
 All angles are accurately cut and polished nicely.
 Glass Block , Economical
 Glass Block , Superior
 Note : Acrylic block and semi-circular block are also available.

Lenses

Unmounted spherical lenses with polished faces and ground edges.

- Lenses, Concave
- Lenses, Convex
- Lenses, Cylindrical
- Lenses, BiConcave
- Lenses, BiConcave

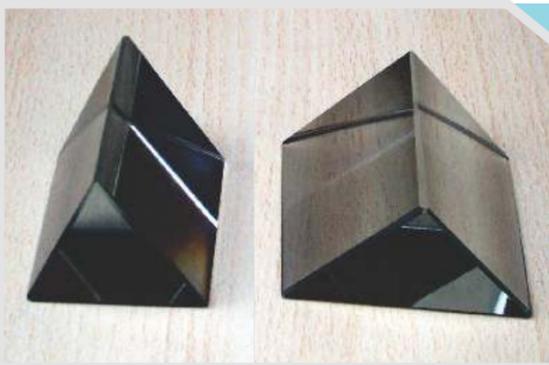


Prism:

Clear & transparent prism with polished surfaces in english glass.

- Prism, Equilateral
- Prism, Right Angle 90°x45°x45°
- Prism, Right Angle 90°x60°x30°

Note : Glass prism, Acrylic prism and hollow prism are available.
 Note: Different angles of prism are made as per demand.



Mirror

Unmounted spherical mirror with polished faces and ground edges.

- Mirror, Concave
- Mirror, Convex
- Mirror, Cylindrical



Ray Box

Comprises a ray box with an enclosure that houses electric bulb for use as a light-source in the experiments. Open front of the bulb enclosure with holes all around the bulb holder and extended side-fins on the outside of the enclosure assist in the heat dissipation of the bulb. The integral side-rails provided with a set of vertical-grooves on inner side for accommodating various 45mm wide mountings such as slit plate and cylindrical lens. The 12V bulb with vertically straight filament, mounted in SBC bulb holder with a two core flexible connecting lead terminating in a pair of 4mm banana plugs for connecting it to low voltage AC power source.

Note: Ray Box, Metal and Ray Optic Kit are also available.



Telescope

Comprising a Plano-convex lens of about 38mm diameter x 150mm FL, mounted in a tube about 400x50mm (length x diameter), and a double convex lens of 50mm diameter 500mm FL, mounted in a tube 400 x 55mm diameter. The small tube is located in the large tube by means of foam plastic rings, which provide an effective sliding. Equipped with rod for stand mounting. Useful for terrestrial as well as astronomical viewing.



Spectrometer

The main structure is of heavy cast metal, with bright plated fittings.

- Scale : The 150mm diameter circle with protective plastic shield is fixed to the telescope movement and the table is attached to the double ended vernier, which reads to 1 minute of arc.
- Collimator : Mounted on fixed and fitted with 178mm focus achromatic objectives, 25mm clear aperture. Also fitted is a unilaterally adjustable slit 7mm long.
- Telescope : Mounted on moveable pillar and fitted with 178mm Focus achromatic objective, 25mm clear aperture. Also fitted is a 8x Ramsden eyepiece and a glass cross line graticule. Both the telescope and collimator have rack and pinion focusing.
- Prism Table : The table is marked with lines to assist placing the prism with respect to the table leveling screws.





U-Tube Manometer

It is small Manometer used for precision measurement of Pressure, Differential Pressure for flow measurement in plants with scale of 15cm on base with meter rule.

- U-Tube Manometer, Wall Hanging Model
- U-Tube Manometer, Table Model

Hare Apparatus

For comparing the densities of liquids by measuring the heights two columns of liquid produced by applying suction to the short limb.

Comprising three limbed tube mounted on polished stand with meter scale 45 cm with 0 at the bottom. The divided in centimeters and millimeters.



Overflow Vessel (Eureka Can)

G.I Sheet hammer-tone finish, the top edge is flared to add strength.

- Overflow Vessel (Eureka Can), Metal
- Overflow Vessel (Eureka Can), Plastic

Nicholson Hydrometer

These ingenious racks with a 3-tier provide a clear view of the tube contents and convenient insertion and removal of tubes. The PC rack has the transparent upper and middle plates, whereas in PP racks every part is colored and opaque. These autoclable racks can withstand sub freezing temperature.



Pendulum Bobs or Spheres

Comprising a solid turned bobs of different metals Available in three different sizes sphere with a small hook for suspension. Set of six different metals. The set consists one piece each of brass, aluminum, copper, zinc, iron and lead.

Note: Also available in Iron and lead or non metal materials like wood, plastic, etc.



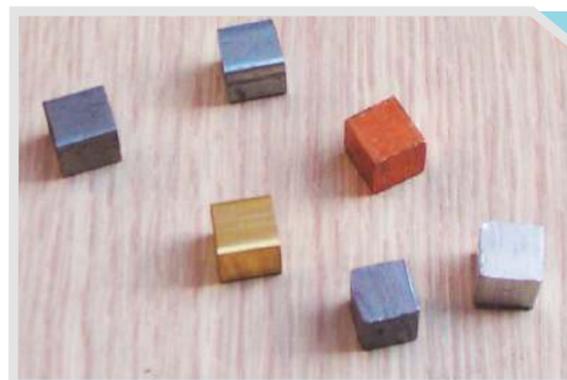
Bucket and Cylinder

Used to demonstrate the Archimedes Principle. The Cylinder has suspension hook at one end. All brass pipes with length 50mm.

Magdeburg Hemisphere:

To demonstrate the pressure of atmosphere. Two concave aluminum cups having diameter either 62mm or 75 are provided with handle and stop cock.

- Magdeburg Hemisphere, Brass
- Magdeburg Hemisphere, Aluminium



Metal Cubes

These metal cubes are intended for specific gravity measurements. Set of six different metals. They consist of one piece each of aluminum, copper, zinc, iron and lead cubes. Custom made sizes and materials also available including non metal materials like wood, plastic, etc Also available with hook.

Metal Cylinders

These cylinders are used in density and specific gravity measurement. The ends are carefully turned and surfaces are smooth. Set of six different elements in cylindrical form for density in electrical and thermal experiments. The set consists of one piece each of brass, aluminum, copper, zinc, iron and lead solid cylinders. Custom made sizes and materials also available including non metal materials like wood, plastic, etc.





Bell Experiment Apparatus (Bell in Bell Jar)

For demonstrating that sound cannot be transmitted in a vacuum. It consists of a 2 litre bell jar with a rubber stopper fitted with binding posts and connectors from which an electric bell is suspended. It operates on 3 to 6 volts, using either battery or a transformer. To be used with Air Pump (Vacuum Pump with Aluminium Plate).

Portable Diaphragm Type Vacuum Pump cum Air Compressor, Oil Free, Light Weight

This air pump is suitable for a number of classroom demonstrations, single barrel made from steel pipe fitted on wooden base. The aluminum plate is provided with a stop cock air inlet screw and a connection for rubber pressure tubing.



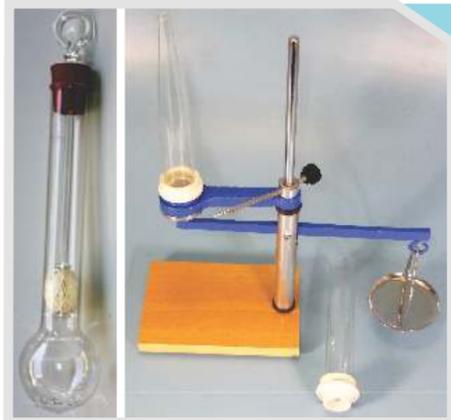
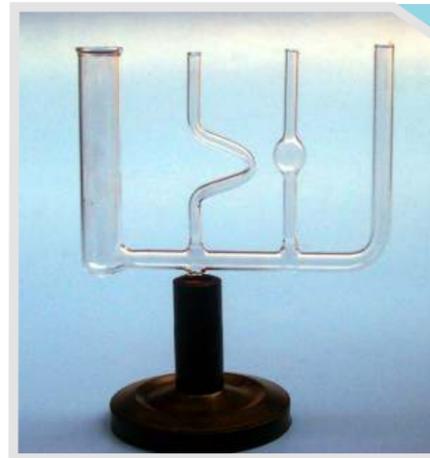
Bernoulli Tube Apparatus:

Consist of a Bernoulli tube, with central narrowed portion, a constant bore gradient tube, 6 lengths glass tubing, 2 swan necked outlets tubes and 8 small pieces of rubber connecting tubing for joining various glass tubings. The two flow tubes, each 500 x 13mm (L x OD) have three sealed-in short side tubes of length 25mm each.



Water (Liquid) Level Apparatus:

For showing that the level of the liquid in communicating tubes is the same regardless of their shapes. It consists of four differently shaped glass tubes connected at the bottom, mounted on a bakelite stand.



Pascal Law Experiment:

For showing that pressure is transmitted equally in all directions. It consists of a hollow metal brass/glass ball with small holes along one circumference and a branch tube with piston.

Pascal Law Experiment, Pressure String
Pascal Law Experiment, Weinhold Type

Young's Modulus Apparatus Searle's Type:

The apparatus consists of an engraved 10cm brass scale and vernier with 0.1mm precision, Complete with tension weight.

Note: Young's Slit is also available.



Fluid Pressure Apparatus (Spouting Cylinder):

To demonstrate that pressure increases with depth. Sheet metal cylinder 400 x 68 mm diameter with three equal size offices at different heights down on side.



Hook's Law Apparatus:

This apparatus has a 150mm adjustable mirror scale to prevent parallax error and is marked in millimeter and mounted on a sturdy 300mm rod. Attached to the rod is a hook supporting a coiled spring with a mass hanger and indicator. Supplied complete with a 250g slotted weight set, the apparatus is mounted on a wooden base.



Expansion of Liquid Apparatus:



To show difference in expansion of various liquids over the same temperature range. It comprises 5 glass graduated capillary tubes of equal bore and bulbs at the bottom, mounted on a support frame with metal trough for immersion of bulbs in hot water in it.

Boyles Law Apparatus:

This apparatus is great for demonstrating Boyles law (Elasticity of gases). Polished wooden stand with graduated scale 0-100 cms, with mms in centre and figured every cm on either side.

Boyles Law Apparatus, Simple
Boyles Law Apparatus, Advanced Oil



Fluid Pressure Apparatus, Hydraulic Press:



Demonstrates the process of transmissibility of fluid pressure. It consist of the plated cylindrical tubes of different diameters fitted with piston and connected to each other through a tube at their bottom. Piston have circular disc at the top for loading masses. Mounted on base.

Charles Law Apparatus, Basic:

Consist a U-shaped glass tube of about 15mm diameter, with one plain limb 220mm long and one graduated limb of length 120mm with graduations from 25 to 35 x 0.2ml terminating in a bulb 37mm diameter with third limb about 185 x 6mm (length x bore) attached at right angles to the plain of the other two limbs. A short length of the rubber tubing with two pinch clips of on short length of glass tubing mounted in end of wide-bore plain limb with rubber bung. Completely contained in a tall form beaker of 1000ml capacity and stirrer.



Charles Law Apparatus (Combined):

To demonstrate Charles Law i.e, the relationship between pressure and temperature of given mass of the gas at fixed volume. Also Known as Jolly's Apparatus. Consist of Jolly's air bulb connected to a glass mercury reservoir through flexible rubber tubing, mounting on a polished wooden stand with heavy cast metal base with leveling screw. To read the level directly a meter rule is fixed on a stand provided with a scale graduated 0-100cm x 1mm with the reading in the both directions. Mercury reservoir tube mounted on vertical support rod with the help of sliding bracket that can be positioned anywhere along the length of the rod. Supplied without mercury.



Bourdon Gauge



Used to measure actual gas pressure, and not gauge. Consist of a circular gauge. The dial has dual scale reading 0 to 50 Lbs / in2 and 0 to 3.5 kg / cm2 pressure. The case has a transparent Perspex back to clearly observe the working of the gauge mechanism. A ruffled tubule present at its one side provides gauge connection through rubber tubing. A thick black pointer needle against white dial provides easy reading of scale directly giving the actual pressure. Mounted on heavy cast-metal base for stability.

Lift Pump:

To show the concepts involved in a lift pump. Working model made of glass, consist of a cylinder and piston provided with non-return float valves and a side tube for outlet.



Force Pump:



Demonstrates the working principle of the force pump, concept of double valve action of the pump and its ability to eject water at high pressure. Consist a glass cylinder with a non-return float valve at its lower end with an outlet side tube at its lower end, which in turn communicate the lower end of the secondary cylinder is equipped with a non-return float valve. The outlet tube from a secondary cylinder is drawn out into a jet.

physics

physics



Kinetic Theory Apparatus:

Demonstrates the kinetic theory of gases and associated phenomena such as thinning of air with increasing altitude etc. consists of a transparent cylindrical plastic tube with a rubber diaphragm attached to its lower end and a cap with holes at its upper end. The plastic tube rests in a cylindrical ring, which has three tightening screws equally spaced around the rim, for firm gripping of plastic tube. Spheres of dia 1/8 inch are placed on the diaphragm, whose behavior is represented by the kinetic theory, when the apparatus is in operation. A piston is provided below the diaphragm, which is connected to a DC motor and is used for producing agitation in the metal spheres. Complete assembly is mounted on a base, with two 4mm socket terminal for electrical connection to the motor.

Spring (Newton) Balance:

Rectangular plastic body with flat metal scale. Features include dual scale, zero adjustment, suspension ring at top & load hook at bottom.

- Spring (Newton) Balance, Flat Type
- Spring (Newton) Balance, Flat Transparent Type

BALANCES & WEIGHTS



Spring (Newton) Balance, Round Type with Tubular Metal Body:

Round type with tubular metal body. Features include dual scale, zero adjustment, suspension ring at top & load hook at bottom.

- Spring (Newton) Balance, Round Type with Double Tubular Aluminium Body
- Spring (Newton) Balance, Round Type with Tubular Nylon Body

Spring (Newton) Balance, Round Type, with Transparent Tubular Acrylic Body:

Round type with tubular transparent acrylic body. Features include dual scale, zero adjustment, suspension ring at top & load hook at bottom. Balances are color coded according to international standards. Diameter: 19mm

- Note: Spring (Newton) Balance, Round Type, with Transparent Tubular Acrylic Body in Euro Design is also available.



Spring (Newton) Balance, Push Pull Type (Dynamometer):

Push Pull type it features a rectangular plastic rod at the top for push type loading. Round type with tubular transparent acrylic body. Features include dual scale, zero adjustment, suspension ring at top & load hook at bottom. Balances are colour coded according to international standards.



Balance, Single Pan, Beam Type:

The balances has four notched weighing beams graduated as 0-200x100g, 0-100x10g, 0-10x1g, and 0-1gx10mg, each provided with a central reading non-removable sliding masses. Balance has covered agate bearing, precision ground pivots and stainless steel pan of 9 cm diameter with bow. It has a capacity of 311 grams and sensitivity of 0.01mg. Other features include zero adjustment, magnetically damped beam movement and under balance weighing for specific gravity experiments.

- Balance, Single Pan, Beam Type , without tare adjustment
- Balance, Single Pan, Beam Type , with tare adjustment

Balance, Double Beam:

Based on roberval principal to find difference of two sides it provides accurate and rapid weighing upto 2kg when used with supplementary masses with a readability of 0.1g. The balance has a cast alloy base, angled beams with center reading poises, removable stainless steel plates of diameter 150mm, clear graduated front aluminium scale with 2 non removable balance weights, magnetic damping, spring loaded zero adjust compensator and facility for under balance weighing. The two beams are 0-200g x 10g, 0-10g x 0.1g

- Balance, Double Beam, without tare adjustment
- Balance, Double Beam, with tare adjustment
- Note: Optional Accessories like Rod and Tare are also available.



Balance, Triple Beam:

Triple pan balance with weighing capacity upto 610g and extended to 2610g when used with supplementary masses both with 0.1g readability. The three tired beam balance features heavy cast metal base, removable stainless steel pans of 150mm, precision ground pivots, self aligning agate bearing, easy zero adjustment, deep notched beams with center reading sliding poise, facility for under balance weighing and magnetic damping. The beams are 0-500g x 100g, 0-100g x 10g, 0-10g x 0.1g. The supplementary masses are 2x1000g and 1x500g. The additional masses can be stored in recessed base when not required.

- Balance, Triple Beam, without tare adjustment
- Balance, Triple Beam, with tare adjustment



Balances, Analytical:

Balance has a brass beam and 50 graduated notches on either side of zero with rider arrangement. With 0.01mg self acting parallel arrestment of the beam. Balance has agate knife edges and stainless steel pans of 7.5 cm diameter. It has a capacity of 200 grams and sensitivity of 0.1mg. In wooden case with glass window & leveling screws.

Balance, Counter:

Balance is in painted metal body with equal arms. Both arms have provision to take scoop shaped container to contain objects to be weighted.



Balance, Compression, Circular:

The balance is in plastic case with circular scale protected by a transparent cover. With tare and zero adjustment and removable plastic pan.

Balance, Lever:

With arc scale that can provide dual ranges 0-1000g x 10g and 0-250g x 1g. Change from one range to other made by using the hinged weight arm. Features include base fitted with a leveling screw for zero adjustment, removable chrome plated stainless steel pan of 130mm diameter and edge type pointer. Pan fitted with hook at the bottom for under balance weighing and density determinations.



Balance, Dial Type:

Round Dial type with circular scale and large dial. With zero adjuster, suspension ring and load hook.

- Balance, Dial Type, Plastic body
- Balance, Dial Type, Metal body



Double Pan Balance:

Made of cast metal body with a central knife edge beam made of special hardened steel. The balance has two removable stainless steel pan marked L/R.

- Double Pan Balance, Roberval Type
- Double Pan Balance, General Purpose wall Hanging type

Digital Electronic Weighing Balance:

Useful for quick and precise weighing in laboratory, Education and Industrial environments. It features high contrast large LCD display, Auto zero adjustment, auto power saving, automatic external calibration, tare adjustment and overload protection. Operates on 220-240V AC.

- Digital Electronic Weighing Balance, 6000g x 1g
- Digital Electronic Weighing Balance, 600g x 0.1g
- Digital Electronic Weighing Balance, 300g x 0.01g
- Digital Electronic Weighing Balance, 200g x 0.001g



Digital Analytical Weighing Balance:

Useful for quick and precise weighing in laboratory, Education and Industrial environments. It features high contrast large LCD display, Auto zero adjustment, auto power saving, automatic external calibration, tare adjustment and overload protection. Operates on 220-240V AC.

- Digital Analytical Weighing Balance, 220g x 0.001g
- Digital Analytical Weighing Balance, 320g x 0.0001g
- Digital Analytical Weighing Balance, 120g x 0.1mg
- Digital Analytical Weighing Balance, 320g x 0.1mg



Platform Scales:

- Platform Scales, Aluminium
- Platform Scales, Stainless Steel
- Platform Scales, Mild Steel

Personal Weighing Scale:

Metal Body, zero adjustable, minimum graduation 0.5kg.

- Personal Weighing Scale, Round
- Personal Weighing Scale, Rectangular
- Note: Personal Weighing Scale, Digital is also available.



Masses (Weights) Set Physical:

Precision polished brass masses (weights) in wooden case with hinged lid. It includes small plastic box which holds metal fractions. Complete with chrome plated brass forceps to lift masses. Each set consists of masses in 1-2-2-5 system in the standard range.

- 1mg-100g to 1mg-2000g

Masses (Weights), Fractional:

Precision fractional masses (weights) consisting of masses in 1-2-2-5 system from 1 to 500mg. Complete set contained in a small plastic box.



Masses set (Weights), Knobbed:

Precision masses (weights) in knobbed design. In wooden block.

- Masses set (Weights), Knobbed, Brass
- Masses set (Weights), Knobbed, Steel chrome plated



Masses (Weights), Hooked:

Polished masses (weights) with hook at the top for suspension. In wooden block.

- Masses (Weights), Hooked, Brass
- Masses (Weights), Hooked, Steel painted
- Masses (Weights), Hooked, Double hooked Fixed
- Masses (Weights), Hooked, Recessed with sliding hook

Masses (Weights) Set, Slotted:

Precision masses (weights) and hangers, Hanger made of metal wire with hook for suspension. Specially designed slot of the masses to prevent the masses from slipping off the hangers.

- Masses (Weights) Set, Slotted, Brass
- Masses (Weights) Set, Slotted, Steel chrome plated
- Masses (Weights) Set, Slotted, Iron, Hammer Tone Paint
- Note: Masses (Weights) Set, Slotted in Rack is also available.



Masses (Weights), Hexagonal:

Hexagonal bar masses (weights) made of brass, flat surfaces at both ends with attached hook. Available as individual masses.

- Masses (Weights), Hexagonal, Brass
- Masses (Weights), Hexagonal, Steel
- Masses (Weights), Hexagonal, Cast Iron



Masses (Weights), Plastic:

Masses (weights) made of plastic.

- 1g to 20g

Weight Set:

Stainless Steel Weights, which we offer, are manufactured using the best quality Stainless Steel material.

- 1mg -500g to 1g-2000g
- Note: Class E2 and F1 is available.



Air Pump (Vacuum Pump with Aluminum Plate)

This air pump is suitable for a number of classroom demonstrations, single barrel made from steel pipe fitted on wooden base. The aluminum plate is provided with a stop cock air inlet screw and a connection for rubber pressure tubing.

Hand Operated Vacuum Pump

The hand operated vacuum pump is ideal for fast filtration. These durable pumps quickly attain and hold vacuum of 25" (635mmHg). With vacuum filtration apparatus you can use these pumps for fast efficient filtration.



Rheostat:

Rheostat are used as series resistors or potentiometers. Open type slide wire type with a variety of resistance & current carrying capacity. Constantine wire is used as resistance. Contact provided on metal chrome plated slider-rod to give rapid & smooth adjustment. Three 4mm standard terminals are provided. One at each end of the wire & the third at one end of the slider-rod thus the Rheostat can be used as potentiometer also. Resistance in ohms & current carrying capacities are marked on it. The end support are made of bakelite.

- Rheostat, Groove Type, Nichrome
- Rheostat, Continuous Type, Constantine
- Note: Also Available covered Type & Heavy Duty

STANDARD RESISTANCE



Resistance Coils:

In bakelite case with two 4mm sockets. All ranges available on demand.

- Resistance Coils, with Bell Terminals
- Resistance Coils, with Sockets
- Resistance Coils, with Terminals

Potentiometer Module:

Mounted on a channel box, value choices, 4mm terminal fitted with fast blown fuse for protection purpose.

- Potentiometer Module, Wire wound Type
- Potentiometer Module, Carbon track type



Decade Resistance Box:

This decade resistance substitution box provides 1, 2, 3 or 4 decade ranges from 1 to 1000 ohm with a resolution of 10%. Each decade is selected by a rotary switch. Tapping points are provided across each range to allow the unit to be used as an accurate potential divider.

- Note: Available in Single Dial, Double Dial, Triple Dial and Four Dial.



physics

physics

Capacitance/Inductance Box :



This decade Capacitance/Inductance substitution box provides 1, 2, 3 or 4 capacitors ranges from 100uF to 0.47uF with a resolution of 10%. The voltage range is 50volts AC or DC.

Note: Available in Single Dial, Double Dial, Triple Dial and Four Dial.

Wheatstone Bridge:

The four-gap bridge has a large and heavy copper strip of mounted on a heavy 3/4 inch thick laminated base. Nine terminals are provided to reduce the resistance to a minimum. The ends gaps are closed by removable Copper Binding pieces which are held in position by the terminals. The 24 SWG constantan wire is stretched along the top of wooden meter scale and securely clamped to the Brass end strips so that end errors are negligible. Supplied complete with pencil jockey.



Potentiometer, Single Wire:

It consists of a wooden base with brass blocks, fitted with 4 mm socket terminals and a 100 cm wooden scale. A knife edge jockey is also supplied.

Platinum Resistance Thermometer:

Suitable for temperatures below 150°C. Fine wire of platinum of 2ohms resistance wound on a mica frame and soldered to copper leads.



Wires

- A. Constantine Wire: Constantan is an alloy that consists of the following elements: Ni (39-41%); Mn (1-2%); comes in SWG 24 to SWG 32, roll of 50 gm to 110gm
- B. Nichrome Wire: A nickel-chromium-iron alloy specially suitable for high temperature applications such as heating elements, rheostat etc, SWG 24 to SWG 32, roll of 50 gm to 110gm
- Copper Wire: Comes in SWG 24 to SWG 32, roll of 50 gm to 110gm
- Copper Wire, Bare • Copper Wire, Enamelled



Switches

- Knife Switch: Low voltage, Single/Double Knife Switch made of plated spring metal contacts and screw connectors
- Contact Keys/Plug Key: Used for making or breaking the electrical circuits. Brass plug and brass blocks tapered hole, terminals fitted on the blocks, mounted on a bakelite base.
- Tapping Key: A light flexible metallic strip provided with contacts so that when it is momentarily pressed an electric circuit is made or broken and when it is released the opposite effect is automatically produced. Brass Strip (Nickel plated) with insulated knob and terminals mounted on a Bakelite plate of high insulation.



Cell Holder

Plastic moulded, Helpful for holding one cell, double cells and four cells

- Note: Cell Holder, Stackable are also available.



Connecting Leads:

- Connecting Leads, with 4mm Plug
- Connecting Leads, with Crocodile Clips
- Note: Custom made product available.



Circuit Board:

- Circuit Board, Simple
- Circuit Board, Spares Type
- Circuit Board, Worcester Type
- Note: Custom made product available.

MAGNETISUM

Magnetizing & Demagnetizing Coil:

Low voltage, suitable for magnetizing and demagnetizing ordinary magnet, iron bars, strips, etc. Comprises a solenoid wound with insulated copper wire and mounted on a base, complete with switch and 4mm, terminals.

Magnetizing by A.C. or D.C.
Demagnetizing by A.C. only



Tangent Galvanometer:

The Plastic ring or bobbin, wound with three coils of insulated copper wire with 2, 50 and 500 turns mounted on bakelite moulded platform fitted with 4 terminals, rotating on a tripod non-magnetic metal base with leveling screw complete with magnetometer mounted at the centre of ring.

Magnetic Field Demonstrator:

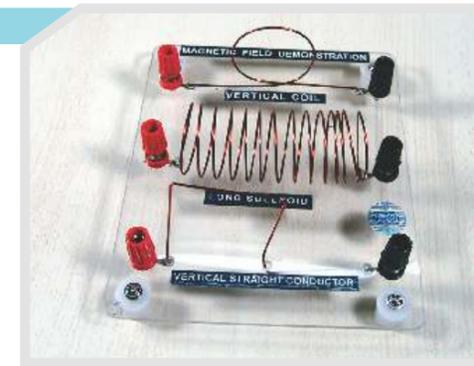
Well suited for demonstration purposes, Clearly revealing the field lines in 1, 2 or 3 dimensions without the need for loose iron fillings



Magnetic field Apparatus:

A set of 3 perpex mounted wire to demonstrate the electromagnetic field generated by a current passing through a conductor.

- Single conductor type
- Single and 5 turn flat coil
- Open helix coil



Electromagnet:

U-shaped core of circular section with armature and carrying hook. Wound with insulated copper wire and provided with barrel connections for use with 4-6volts DC. Complete with keeper.

Westminster Magnetic Kit:

A comprehensive kit containing the essential items for basic experiments in electromagnetism. General studies about Magnets, Eddy Current, Force between currents and magnetic field.



Induced Current Apparatus:

Consists of a primary coil of insulated copper wire wound upon a cylinder with terminals and a secondary coil wound upon a cylinder into which the primary coil fits. A soft iron core fits the cylinder of the primary. Complete with terminals.

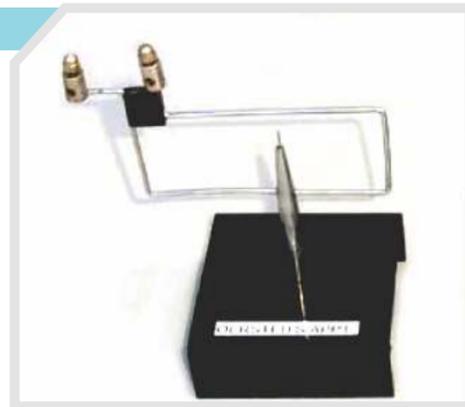


Force on a Conductor Apparatus:

Comprising a strong U-shaped magnet and a pair of brass rails with 4mm socket terminals. A brass axle with plastic discs is free to roll along the rails and complete the electrical contact between the poles of the magnet, and a power supply unit is connected, the axle is repelled and rolls along the rails away from the centre of the magnetic field.

Oersted's Apparatus:

To show the action of an electric current on a magnet. Cobalt steel needle 75mm long with agate bearing. Supported by a pivot mounted on a plastic base. Needle is surrounded by a 130x50mm rectangular frame, in the vertical plane, fitted with two 4mm socket terminals at one end, one at the other.



Conductors, set of 3:

These are made of brass with interchangeable on pillars, fitted with insulators of ebonite rod on metal base.

Gold leaf Electroscope:

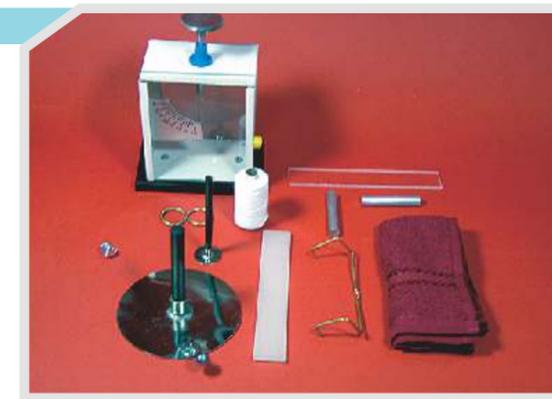
A metal plate on which a single gold leaf supported by an insulating bush in a metal case with a 4mm socket earthing terminal. The front window is clear & the rear window is of ground glass mounted upon a base & two interchangeable electrodes are supplied. With leaf well fitted, standard size & rectangular shaped.

Note: Gold leaf Electroscope in conical flask is also available.



Electrostatic Kit:

It contains 1 gold leaf electroscope, 1 electrophorus strip, 1 proof plane, 1 cellulose acetate strip, 1 polythene strip, 1 rubbing cloth, 1 wire hook, 1 wire stirrup, 1 nylon thread, 2 polythene tiles, 2 aluminium cans and 4 polystyrene sphere.



Friction Rods:

A set of 5 rods such as Ebonite, Glass, Perspex, Glass/Brass, Brass/Ebonite for various experiments involving static electricity of 300x12mm.

Whimshurt Electrostatic Machine:

This machine will generate a charge with regular discharge. The spark will travel 50mm in air between electrodes under correct conditions. The apparatus is mounted on a base, easy to transportation.



Induction Coil:

The Primaries are wound with thicker Copper enameled covered wire on Latherite Pipe in two parts & given heavy insulation, each layer is wound in the cover of butter paper and after completing the winding the entire part is dipped in to hot wax, so that each layer get sealed against moisture effects, The coils are housed in a wood case handles to get the Spark on it, The make and break points are of Platinum, one point is adjustable to get any cycle, one reversing Switches, one on and off switch is provided working on 6-12 volt D.C.

- Note: Available in different spark length.

ENGINES



Van de Graff Generator:

For production of high voltage static electricity, selfexciting, with insulating perspex stand, rubber belt, removable metal dome, mounted on base, with a driving wheel and driving belt. The discharge sphere is mounted on a pivoted arm with handle for adjustment and is attached to driving wheel support. With a 4 mm socket at top of the dome and a 4 mm earth socket. Supplied with discharging sphere. With standard accessories.

- Van de Graff Generator, Hand Operated
- Van de Graff Generator, Electrical

Demountable Transformer:

Demonstration the Step up and step down transformer principle. The core is made up of highly permeable U-shaped metal sheeting, which can be closed via two clamps with tightening screws.

Note: Separate Coils for demounted transformer is also available.



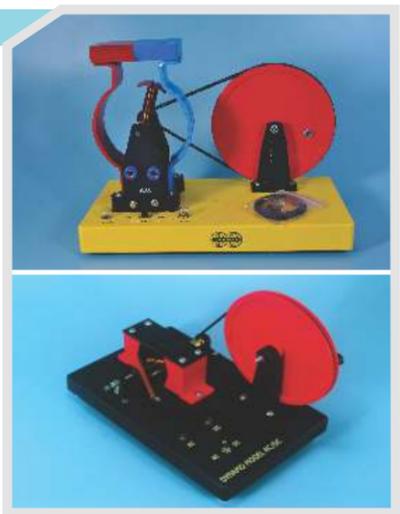
Demonstration Electric Motor:

A model of the simplest form of D.C. electric motor, having 2-pole armature wound with enamelled copper wire & a permanent magnetic field provided by a removable bar magnet. A disc-type commutator is incorporated & external connection to the phosphor-bronze bushes is by means of a pair of 4mm sockets. The motor will operate on 6-8 Volts D.C.

Demonstration Dynamo:

A simple demonstration of a Dynamo Model mounted on a plastic base. Hand driven by a gear. Simplified open frame construction which can be readily understood without detracting to its essential similarity to real machine. A 2 pole armature wound by enameled copper wire to rotate in on pivots. While in rotation process through the gear wheel by hand, the bulb provided glows. Supplied with extra belt.

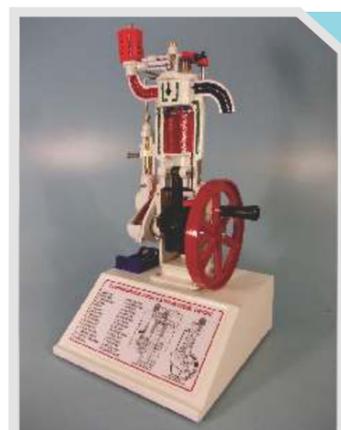
- Demonstration Dynamo, AC
- Demonstration Dynamo, DC
- Demonstration Dynamo, AC/DC
- Demonstration Dynamo, AC/DC with motor model
- Demonstration Dynamo, Bi Cycle



Petrol Engine Model

Petrol Engine Model represents internal structure and operating principles of an air cooled two/four stroke engine. All parts in aluminum alloy. Ignition is shown by means of a miniature bulb. Carburetor and fuel supply also sectioned. Mounted on base, with printed diagram showing working.

- Engine Model, Petrol, 2 strokes
- Engine Model, Petrol, 4 strokes



Diesel Engine Model

Diesel Engine Model represents internal structure & operating principles of an air cooled two/four stroke engine. All parts in aluminum alloy. Ignition is shown by means of a miniature bulb. Carburetor & fuel supply also sectioned. Mounted on base, with printed diagram showing working.

- Engine Model, Diesel, 2 strokes
- Engine Model, Diesel, 4 strokes

Steam Engine Model:

Operation of a commercial steam engine is well illustrated with this working model. The extra large size unit is provided with a horizontal boiler with a whistle, safety valve, steam gauge. Mounted on a metal base. Heating caused due to burning of fuel cause water in the boiler to boil and the resulting steam makes the flywheel mounted on the crank to rotate. A pulley mounted at the free end of flywheel shaft can be used to drive dynamo etc to demonstrate the conversion of chemical energy to heat, mechanical and electrical energies respectively. Supplied complete with fuel burner and screw driver for opening the boiler to fill it with water.



Goggles:

General purpose Polycarbonate Protective Spectacles can be worn over spectacles.

- General Purpose Spectacles
- Black plastic Goggles
- Chemical/Impact/Dust protection Goggles
- Flip Up Type Spectacles
- Flip Up Replaceable lens Goggles
- Bocal type Goggles
- Red Rubber Gas Tight Goggles
- UV Resistant Goggles



Hand Lens :

Plastic/metal frame with handle.

- Hand Lens, Plastic
- Hand Lens, Metallic
- Hand lens, Metallic with Bakelite handle

Different sizes of diameter 50mm, 75mm and 100mm are available.

Stroboscope:

Simple model, hand driven to show the student stroboscope effects. A circular black disc having radial slots extending to the edge of the disc. Ball bearing mount at the center minimizes friction. With handle for rotation.



Compact Light Source:

The Lamp housing is mounted on a stainless steel rod 150mmx10mm diameter. A 12V, 100W quartz iodine lamp in a ventilated housing. Two adjacent sides have 19mm dia aperture that can be used to produce an intense 'Line' source, or end-on as a powerful 'point' source.

Newton Colour Disc:

Newton Color Disc consists of a disc with spectrum colors diameter of disc 15 cm mounted on wooden base stand with turning wheel and handle. This disc demonstrates that white light is composed of seven colors by rotating wheel.

Newton Colour Disc, Hand operated
Newton Colour Disc, with motor



Inclined Plane:

A board with a well-finished wooden base hinged at one end supporting a sclaed, plane board. The planed section can be inclined and fixed at any angle from 0 to 45° to the horizontal. The end of the inclined board features an adjustable

Optical Bench with Accessories:

The optical bench is commonly used in physics labs today, and consists of a long, rigid member with a linear scale applied to it. Holders for light sources, lenses and screens are placed on the apparatus so that image formation can be observed.

- Optical Bench with Accessories, Wooden Frame
- Optical Bench with Accessories, Metal Frame
- Note: Custom made product available.



Optical Pins:

About 50mm long. Iron Chrome Plated. Packet of 50pcs in a plastic pack. Also available longer type or in Brass or Stainless Steel material.

Colour Filters:

The Colour Filters are ideal to develop elementary concepts in physics about light and how filters work. They are made using good quality, eco friendly materials to make them long lasting, easy to use and store and equipped to handle daily use.

- Colour Filters, Paper Mounted
- Colour Filters, Plastic Mounted



Lens Holder

Comprising an upright 100mm high with V-shape slot to hold a convex or concave lens, mounted on a rectangular base 100 x 50mm. An index mark is engraved on each end of the base.

- Lens Holder, Wooden
- Lens Holder, Metal
- Lens Holder, Plastic

Test Tube Stand, Wooden:

Made of wood to hold test tubes & well finished with wooden Peg These stands are suitable to be used at laboratories for holding test tubes for long time.

- Test Tube Stand, Wooden, 6 holes
- Test Tube Stand, Wooden, 12 holes

Note : Test-tube stand , Metallic is also available



Pinhole Camera:



Two rectangular, open ended, light proof wood boxes. One slides into the other & contains a frosted translucent glass plate upon which image is formed. The other box has a pin hole opening at the closed end. Dimensions 150 x 100 x 100 mm approx.

Spectrum tubes:

260mm length with 50mm long fine capillary tube, Straight form. Use in conjunction with the spectrum tube holder with power supply.

Note: Neon, Mercury, helium, Argon, Hydrogen, Sulphur spectrum tubes is available.



Newton Ring Apparatus:

Interference fringes are clearly seen when the apparatus is viewed in sunlight, fluorescent light or monochromatic light. The glass plate and convex lens are held in a heavy frame having three adjusting screws.



Spectrum tubes Stand with Power Supply:

Easily holds the tube firmly and prevents the students from touching the electrodes. A black panel behind the tube eliminates distracting ambient light and protects the tube from breakage. Operates on 220V AC



Direct Vision Spectroscope:

This instrument having a excellent spectrum with a dispersion of 11° approx. The slit is of variable width and adjusted by rotating the end piece. 80 lines per mm

Crooks Radiometer:

Mounted on around plasti cBase. Comprising partly evacuated glass bulb approx 70mm dia, with contained at its cetera a fine pivot which supports four lightweight metal arms. One side of each vane is blackened, the reverse side is white. Infrared radiation heats the black faces of the vanes more than the white, causing a pressure difference on either side of the vanes which drives the vanes round, providing a pleasant visual demonstration of several physics effects.



Solar Energy Kit

A completely self kit mounted on a wooden box and provides all the necessary components of solar energy into electrical energy, Sound energy and light energy. Comprises a solar cell with a lead terminating into 4mm plug for output that can be plugged in respective sockets on the top of the box. Input sockets provided and marked clearly for cell holder (for battery charging-storage of energy), voltmeter, bulb, buzzer and electrical motor.



Maltese Cross Tube:

It's a star shaped object obstructing the path of cathode ray casts its shadow on the fluorescent painted wall facing cathode ray.



WAVES & SOUNDS

Loud Speaker Unit:

75mm dia., 8ohm & nominal power mounted on a acrylic base. Provides a useful level of sound over the whole audio range.



Frequency Signal Generator:

0-200KHz, 0-20V P/P, Complete with all accessories. It Features Built-in Frequency Counter enables accurate setting of frequency with easy Course and fine control to adjust frequency and output level, Wide Frequency range 1 Hz to 200 KHz., Output control : continuously variable, Power Consumption : AC 230V, 50-60Hz, Wave form: 3 Types (Sine, Square and Triangular)



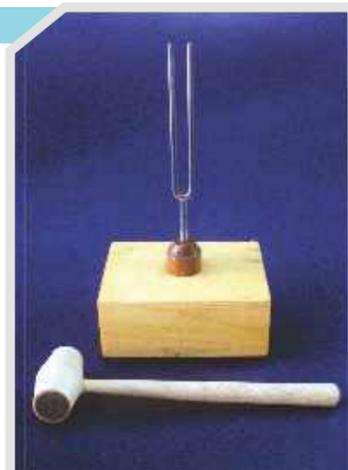
Tuning Fork Set:

Turning Fork Set, Chrome Plated is unique range of the tuning forks set which are manufactured from alloy and could be availed in set of 8. These tuning forks set are used in the physics laboratories and have standard frequencies for student experiments. Come in thermocole box.



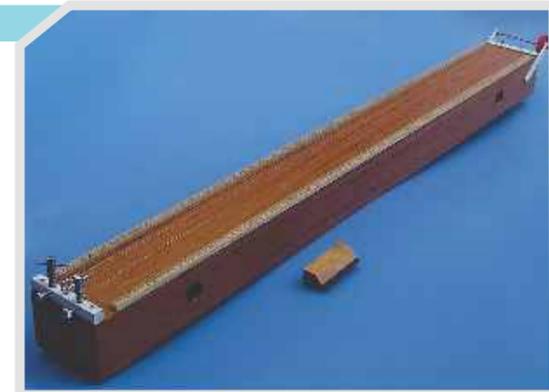
Tuning Fork on Resonance Box:

Well finished, wooden boxes with holder on top for mounting tuning forks. For 1,2,3 and 4 forks. For demonstration of the formation of a basic major chord. Made from good quality wood. Complete with rubber hammer.



Sonometer:

Consists of wooden resonance box with two metal rules graduated into mm. Two wires of brass and steel attached to fixed bridge and tensioned by fine adjustment pegs , two movable bridges, pulley and fixed screw to enable a third wire to be fixed for tensioning by masses. Supplied without masses.



Ripple Tank:

Ripple Tank instrument is a device to illustrate the laws of wave phenomenon-using ripples on the surface of water as the prototypes of all transverse waves. Ripple tank illustrates important wave motions like rectilinear and circular. It can also demonstrate refraction, diffraction and interference of water waves. Tank is supported by four legs having leveling screws. Size of the tank is supplied complete with rippler assembly, two straight obstacles, one straight obstacle, curved reflector, transparent refraction plate and suitable power supply.

Resonance Apparatus:

Resonance Apparatus with 25mm stainless steel pipe and reservoir is used to determine the speed of sound. It can calculate the speed of sound accurately using only a tuning fork and water. Partially fill the resonance tube with water and sound a tuning fork over the open end of the tube. Then adjust the water level until the tube resonates at the same frequency. As the water level changes in the tube, a standing wave produces an anti-node at the top of the tube that causes resonance. The speed of sound can then be calculated using the water level and the frequency.



Slinky Spring:

Excellent for wave demonstration experiments. A flat sectioned helical spring.

- Note: Helix Spring Is also Available.



Cathode Ray Oscilloscope:

Cathode ray oscilloscope is an electronic test equipment that primarily consists of a cathode ray tube, a vertical & horizontal amplifier, a timebase and a power supply.

- Note: Various Models are Available.

Wave Motion Apparatus:

For demonstrating longitudinal and transverse motion, consisting of 18 acentric Aluminium disc supporting a series of metal rods. On revolving the handle, transverse waves are obtained with bent, straight rods. Complete on wooden box.



Retort Stand:

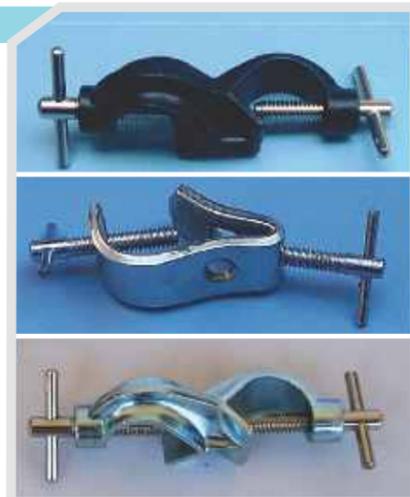
metal base with screwed hole for chrome plated iron rod of diameter 10mm. Painted in blue/black.

- Retort Stand, Sheet Metal
- Retort Stand, Cast Iron
- Retort Stand, Pressure Die Casting
- Retort Stand, Stainless Steel
- Retort Stand, Plate type, Euro Design, Heavy
- Retort Stand, A-shaped
- Retort Stand, H shaped
- Retort Stand, Sheet Type with Leveling Screw
- Retort Stand, Tripod Stand
- Retort Stand, Plastic

Boss Head:

with two V-grooves orthogonal to each other to accept rods up to 16.5mm diameter, which are secured through nickel-plated thumb screws.

- Boss Head, Pressure Die Casting, Aluminium
- Boss Head, Pressure Die Casting, Zinc



Retort Clamp:

having four cork lined prongs to take articles from 2-90mm diameter. The design of the jaw ensures a firm grip at all angles of opening. Plated steel thumb screw for tightening the clamp jaws. Fitted with 15cm long plated MS rod for mounting on suitable boss-head.

- Retort Clamp, Four Pronged, Pressure Die Cast, Aluminium
- Retort Clamp, Four Pronged, Pressure Die Casting, Zinc
- Retort Clamp, Three Pronged
- Retort Clamp, Two Pronged



Retort Ring:

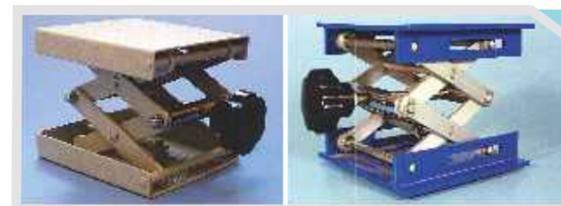
Strong circular mild steel ring.

- Retort Ring with Boss head

Tripod Stand:

Triangular, all steel welded, finished in chrome legs and black color top. Legs are bent outwards for stability. Length of one side is 12.5 cms and height 20 cms. Feet are covered with rubber stumps. Available in smaller size too for economy.

- Tripod Stand, Triangular Head
- Tripod Stand, Round Head
- Tripod Stand, Stainless Steel



Laboratory Jack:

Screw operated, Scissor-action mechanism. Strong, stable support for laboratory equipment. Maximum Load: 25kg

Tongs:

Made of mild steel with bow and forged scissors type hinge. Jaws are corrugated in side. Fine quality powder coatng.

- Tongs for Crucible
- Tongs for beakers
- Tongs for Flasks
- Note: Tongs in Iron and stainless steel are also available.





Spatula, One side flat & other side spoon:

Stainless Steel spatula, One side flat and other side spoon.

- Spatula, Both side flat
- Spatula, One Side Flat & other side pointed
- Spatula, Chattaway Micro
- Spatula, Micro
- Spatula, Nuffield Pattern
- Spatula, Plastic
- Spatula, with plastic Handle
- Spatula, Ointment & Palette Knife
- Spatula, Trowel/Trulla/Scoop
- Spatula, horn
- Scoop, Micro

Hoffman Clip:

Nickel-plated brass clip with projecting plate to prevent damage to tubing by end of screw with hinged bottom bar for direct fitting and removal without access to ends to tube.



- Note: Mohr clip is also available.



Test Tube Holder:

This product is widely used in laboratories for holding test tubes while performing different experiments. These test tube holders are offered with wooden handle for effective and comfortable grip.

- Test Tube Holder, Metallic with wooden handle
- Test Tube Holder, Wooden
- Test Tube Holder, Wire type



G by Free Fall Apparatus:

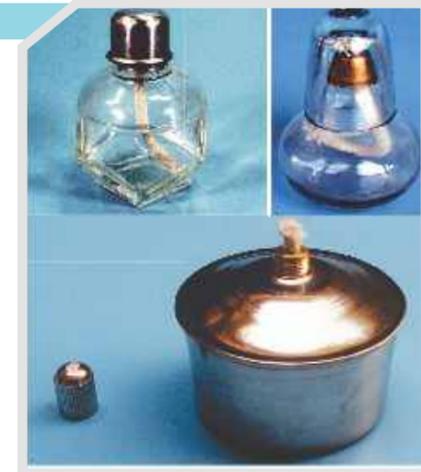
This apparatus is used to determine G by measuring the time of fall of a steel ball through a pre-determined distance.



Spirit Lamp:

Spirit Glass, with cap, wick and metal wick holder.

- Spirit Lamp, Glass
- Spirit Lamp, Alcohol/Hexagonal type
- Spirit Lamp, Stainless Steel
- Spirit Lamp, Aluminium



Bunsen Burner:

Bunsen Burner consists of Cast iron base with riffled gas inlet. No Regulator. The burner tube is 12mm in diameter, having a screw type sleeve air regulator around the jet nozzle to adjust the air-gas mixture.

- Bunsen Burner, with Brass Pipe
- Bunsen Burner, with Iron Chrome Plated Pipe
- Bunsen Burner, with Spare Jet
- Bunsen Burner, with Stopcock
- Bunsen Burner, Micro
- Bunsen Burner, High Flame/Teclu

Linear Air Track:

The Kit contains everything required for a vast array of experiments covering: Velocity; Force and acceleration; potential energy; Kinetic energy; conversion of energy; SHM; Motion on level and inclined planes etc.



Ticker Tape Timer:

With tape, Standard size, Complete & packed in an individual carton.

- Ticker Tape Timer, AC Type
- Ticker Tape Timer, DC Type



Power Supply, DC, Battery Eliminator:

0-12 Volts A battery eliminator is a device to act as an electrical source other than a battery. Gives output of 2,4,6,8,10, 12 volts of DC in fixed steps. Battery Eliminator offered by us is ideally designed to be safe & reliable source of low voltage D.C. for use in class rooms.

Power Supply, AC/DC:

Gives variable A.C. and D.C. outputs for AC and DC. An internal fuse is provided for input and a resettable cut-out for output. With 1.5 metre mains lead.



- Power Supply, AC/DC, Step Type, Without Meter, 0-12V/1Amp
- Power Supply, AC/DC, Step Type, With Analog Meter, 0-12V/2Amp
- Power Supply, AC/DC, Step Type, With Digital Meter, 0-12V/2Amp
- Power Supply with Digital/Analog Meter, Continuous Type, 0-12V AC/DC 1 Amp, Regulated, Constant Current-Constant Voltage
- Extra High Tension (EMT) Power Supply

Note: Other ranges available on demand.



Calorimeter:

Copper Calorimeter is used for measuring the heat of chemical reactions or physical changes as well as their heat capacity. Felt jacket is provided between the vessels and also at the bottom of the outer vessel for proper insulation. Fitted with a bakelite cover with two holes. One hole is for rubber stopper which will hold the thermometer and the other hole is for the stirrer. Complete with rubber stopper, stirrer and washer, but without thermometer.

Material: Inside Copper. Outside Aluminium.
Dimensions: 75x50 & 100x75 diameter

- Calorimeter, Copper
- Calorimeter, Joule
- Calorimeter, Wooden

Bimetallic Strip:

To show the differential expansion of metals in a bimetallic strip. Comprising a length of bi metal strip 150x15mm mounted in a wooden handle. The strip is only 1mm thick so that very little heat is required to produce considerable bending.

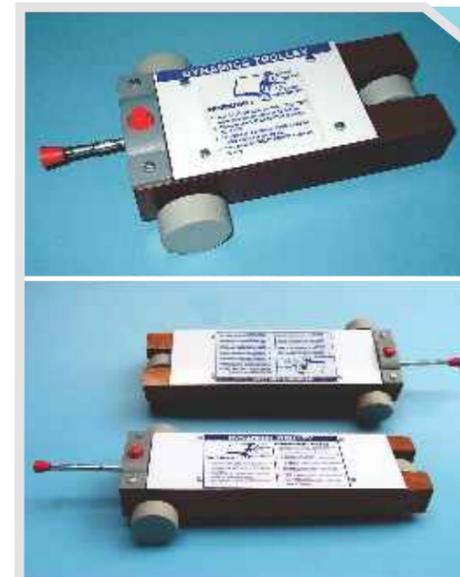


Pulleys:

Plastic wheel diameter about 2 inch. Available Series and Parallel Double and Triple Pulleys.

- Bench Pulleys
- Rod Pulleys

Note: Aluminum pulley also available in place of plastic pulley.



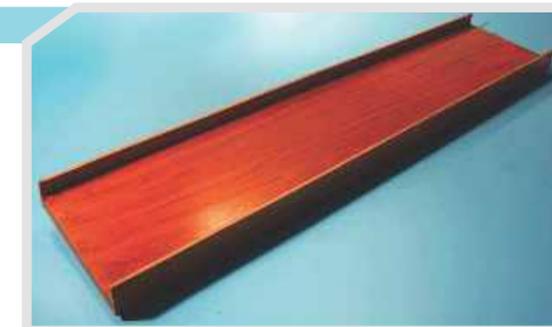
Dynamic trolley:

Wooden trolley is mounted on three wheels. A spring loaded rod is fitted to give impulse when released. It has a button on top to enable the impulse mechanism. To be used in mechanics experiments.

Note: Dynamic trolley in hard plastic is also available

Trolley Track:

The track bases are in thick MDF with metal side supports which give good resistance to flexing. Support bar feet link with the support frame which provides a robust system for height adjustment.



Conductivity Rods:

Each about 12 inch long
Conductivity Rods are simply 300mm lengths of different metals for the exploration of the conductivity differences between different metals.

- Note: Available in Set of 4 and Set of 6.



Bar & Gauge:

Used for demonstration of expansion of solids by heating and contraction by cooling. It includes a metal bar mounted on rod with insulated handle and a U-shaped metal gauge also mounted on an insulated handle.

Hoffman Voltmeter:

The glass unit has two connected limbs, each graduated 50 x 0.2 ml, with stopcocks, with a tube and a funnel shaped reservoir bulb. Hoffman Voltmeter to demonstrate that H₂O consists of two volumes of Hydrogen and one volume of Oxygen with 50ml graduated limbs and removable carbon electrodes. With all accessories (Packed in thermocole packing)



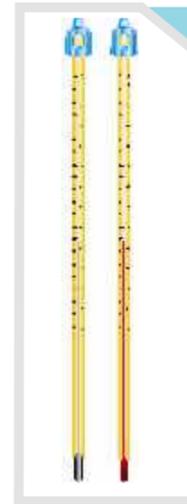
Hope's Apparatus:

Designed to show that water has a maximum density at 4°C. In winter, ponds and lakes are cooled from above. Convection then occurs throughout until a dense layer of water at 4°C forms on the bottom. The water above continues to cool until it freezes, then the ice provides an insulating layer that keeps the denser water layer on the bottom enables aquatic life to survive.

Ring & Ball:

Ball And Ring Apparatus is used for demonstrating thermal expansion, comprising a captive brass ball of 19mm secured to a mounted brass ring by a chain. Ring mounted on rod with a wooden handle. The ball passes through the ring when cold but will not pass through after being heated.

- Ring & Ball, with wooden handle, Chain Type
- Ring & Ball, with wooden handle, Without Chain
- Ring & Ball, with plastic handle, Chain Type
- Ring & Ball, with plastic handle, Without Chain
- Ring & Ball, On stand



Thermometer Laboratory

Glass capillary with bulb type, white/Yellow back.

Length 300mm

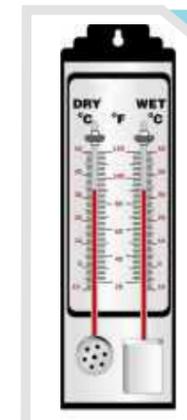
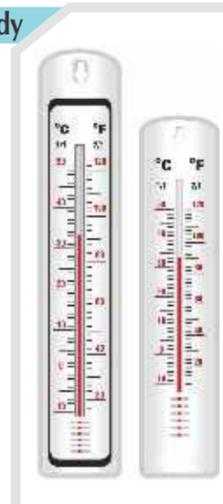
- Thermometer, Laboratory, Alcohol
(Min. Range: -10°C-110°C & Max. Range: -10°C to 150°C)
- Thermometer, Laboratory, Mercury
(Min. Range: -10°C-50°C & Max. Range: -10°C to 300°C)



Wall Thermometer Plastic Body

Red spirit filled thermometer, Consist of specially designed glass capillary which facilitates the reading inside column. Having provision for wall mounting. Range: -10 to 50°C

- Thermometer, Wall, Plastic Body, Small
- Thermometer, Wall, Plastic Body, Big Size

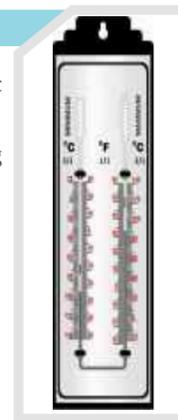


Wet & Dry Thermometer:

With Plastic body include humidity chart C&F. Range: -10°C to 50°C

Max & Min Thermometer:

- Regular, With Magnate Plastic body. Range: 30°C to 60°C
- Superior with screen printing mercury filled at -40°C to 50°C



Hydrometer Light & Heavy:

Hydrometers is a device to measure relative density of liquids such as Grease, oil etc. To test the density of a liquid, we use a long glass jar. The jar is filled with liquid and hydrometer is floated inside the fluid. The liquid surface touches the stem of hydrometer at specific point, which indicates specific gravity of that fluid.

Note: Hydrometer, Universal are also available.



Hygrometer, Whirling:

Available in Mercury or Red Spirit with conversion table and wick.

Range: -50 to 50°C/F

- Hygrometer, Whirling, Alcohol
- Hygrometer, Whirling, Mercury

Aneroid Barometer:



The offered barometer is widely used to teach the students the concept of How to measure air pressure and is greatly useful in laboratories.

- Aneroid Barometer, Wall Hanging
- Aneroid Barometer, Demonstration type

Anemometer:

Easy to use, wind speed measurement and ambient temperature. Operating temperature: -10°C to 45°C , Operating Humidity: $< 90\% \text{RH}$.



Clinical Thermometer:

Used to measure body temperature. Easy read double scale graduated 94°F to 108°F or 35°C to 43°C .

- Clinical Thermometer, Mercury type
- Clinical Thermometer, Digital



Thermometer, Digital:

- Thermometer, Digital, Pocket type
- Thermometer, Digital, Multi-Stem
- Thermometer, Digital, Indoor-Outdoor
- Thermometer, Digital, Infra Red



Force Table

It is used to verify the law of composition and resolution of forces using vector diagram of several forces.

Comprises the following :

- Aluminum (metal) circular table (diameter not less than 35 cm), with scaled rim.
- The table is mounted on a suitable base with balancing screws.
- The system is supplied with at least 4 pulleys with clamps.
- The system is supplied with mass hangers and suitable threaded rod with shoulder (at least 4).

Each set having one hanger 100g and masses 1 each of 10 , 20, 50 and 100g



Smoke Cell

For demonstrating Brownian motion. Designed for use with a microscope. A short cylindrical cell, closed by a cover glass, is held vertically in an opaque channel $90 \times 90 \times 30 \text{mm}$. Illumination is by an integral filament bulb & cylindrical glass lens. The cell enables Brownian motion to be observed for at least 15 minutes after charging the cell with smoke. Fitted with 4mm socket terminals for connection with 12V supply.



G - Clamps

These are designed for flawless performance by using the best grades of metal alloys and properly hardened for durability. Easily fix on table.



Spherometer

It consists of a small metal frame, supported by three legs fixed at the corners of an equilateral triangle. A screw of fine pitch passes through the center of the metal frame. The screw forms the fourth leg. The main scale (or pitch scale) is marked in a metal strip fixed at right angles to the frame. Spherometer scale is marked in millimeters with zero mark at the center ($10-0-10 \text{ mm}$) circular scale is fixed to the screw head. It carries a circular scale divided in 100 equal parts (In some cases it is divided into 50 equal parts). The edge of strip is used also as a reference line for taking the circular scale reading. The disc & scales are brass lacquered & legs are made of steel black painted.



GAS TAPS & FITTINGS



Gas Tap

Made of brass with superior black powder coating. Heavy construction having lever handle with locking arrangement to ensure lever rotation does not go beyond 90°. Output nozzle having 4mm bore. Inlet 3/8 X 26. Flange diameter 50mm with two holes to fix on bench or any other surface with screws. Provided with adapter (6/8, 3.8mm bore) and corresponding nut (8mm bore). Designed to operate at pressure up to 2 psi (0.14kg/cm²). Suitable for use with coal gas, natural gas and L.P.G

Gas Tap Types:
Gas Tap Heavy (one way, Two way, Three Way & Four way)
Gas Tap Regular (one way, Two way, Three Way & Four way)

Gas Tap, Chrome Plated :

Made of brass with superior chrome plating. Output nozzle having 6mm bore. Inlet 1/2 X 14. Flange diameter 46mm with two holes to fix on bench or any other surface with screws. To be fitted directly on fitting. Designed to operate at pressure up to 2 psi (0.14kg/cm²). Suitable for use with coal gas, natural gas and L.P.G.

Gas Tap Type:
Gas Tap (one way, Two way, Three Way & Four way)



Joints:

Flared, Forged Brass with Three Nuts & Two Nuts.

Joints Types:
• T-Joint
• Straight Joint

Control Tap:

Made of Forged brass with Two Nuts.

Sizes:
Control Tap with (6/8, 6/8)
Control Tap with (10/12, 10/12)
Control Tap with (6/8, 10/12)



Water Tap, Swan Neck

Heavy construction. Brass with Chrome Plated finish. 1/2 inches BSP threaded inlet. Mechanism to lock the neck at desired position. Bench Mounting Type.

Types : Water Tap, Swan Neck, Light Water Tap, Swan Neck, Heavy Water Tap, Swan Neck, Knobbed
Note : Available in One way, Two way & Three way

Copper Pipe for Gas Fitting:

Hygrometer, Whirling:

Copper Pipe for Gas Fitting is available in various size and gauge.



Magnetic Needles on Stand

Made of carbon steel with jeweled bearing for pivoting. Sizes (length) available are 50mm, 100mm, 75mm. Comes with plastic base 72 mm diameter & 6 mm diameter aluminium pillar supporting a steel needle pivot.



Magnetic Compass

The Magnetic Plotting Compass is a circular dish in which magnetic needle is mounted and has the printed scale at the inside of the bottom. The set up is fitted with glass on the top.

Plotting Compass, Small

The compass is housed in a metal case with both the faces of clear glass. About 18mm diameter.



Magnetic Compass, With Lock

Magnetic needle with metal dial having compass points marked, aluminium body, jeweled needle. Supplied with locking arrangement to prevent damage while transportation. With good quality, well finished cover. Sizes available are 30mm, 45mm.

Cork borer

Cork Borer is made of brass that are tested for durability, accuracy and precision. These are often used in a chemistry laboratory for cutting a hole in a cork or rubber stopper to insert glass tubing. These borer come in a set of 6, set of 8 and set of 10 along with a solid pin for pushing the removed cork (or rubber) out of the borer.

Features: Made of plated sharpened brass tubing with attached handles including a steel punch.



Cork borer Sharpener

Cork Borer Sharpener to be used with any Cork Borer. One size for all sizes of Cork Borers.

PORCELAIN



Funnel :

Made of porcelain with fixed perforated plate.

- Short Stem, Glazed
- Medium Stem, Glazed
- Funnel Types: Hirsch Funnel and Buchner Funnel.
- Funnel Size: 25mm to 150mm

Cavity Tile / Spotting Tile :

Made of porcelain.

Types :

Cavity Tile , Glazed, Bottom Porous

Cavity Tile, Top Glazed, Sides and Bottom Porous

No. of Depressions : 6, 12, 18 and 24

Note : Tiles (porous and acid resistant) are also available.



Crucible Porcelain :

Made of Porcelain. Glazed and Porous Bottom.

Types :

Crucible Porcelain Squat Form,

Crucible Porcelain Tall Form and

Crucible Porcelain Gooch (without Lid Glazed, with Lid Glazed)

Crucible Porcelain Gooch (without Lid Porous Bottom and with Lid Porous Bottom)

Capacity : 10ml to 100ml

Evaporating Dish :

Made of Porcelain Glazed.

Types :

Evaporating Dish, Round Form

Evaporating Dish, Flat Form

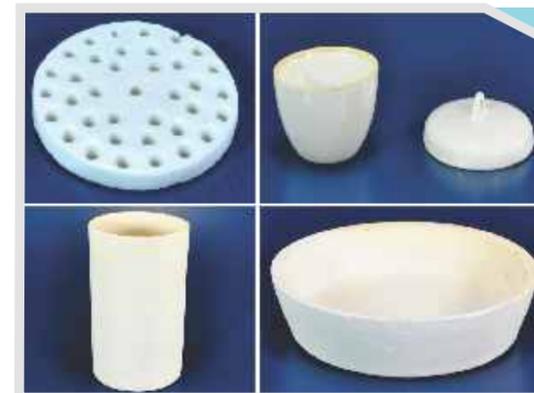
Capacity : 10 ml to 4000 ml



Clay Pipe Triangle/Crucible Triangle

Combustion Boat

Dessicator Plate



Porous Pot / Porous Plate

Micro Crucible

Filter Disc

Casserole, Porcelain

Beehive Shelves :

Made of Porcelain. Glazed except bottom and top rims.

Sizes:

Beehive Shelves (50x35), (60x35), (75x35), (85x35) and (100x35)mm (Diameter x Height) in MM.



Mortar & Pestle, U Type, Round Form

Made of porcelain. Outside Glazed Bottom Porous.

Capacity: 25ml to 5000ml

Note: Mortar & Pestle with outer diameter 100mm or below are with pestle of all Porcelain and with outer diameter 115mm or above are with pestles of Porcelain and wood.

RUBBER

physics

physics



Rubber Tubing :

Soft, Red in colour. For low pressure laboratory work. Resistant to dilute acid, alkalis, ammonia etc. Roll of 10 Metre.

- Types : Rubber Tubing, Normal
 Rubber Tubing, Medium Pressure
 Rubber Tubing, High Pressure
 Rubber Tubing, Orange

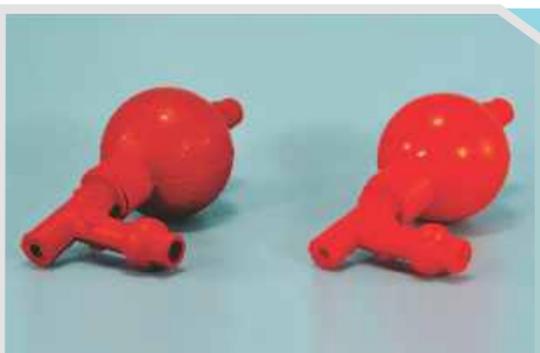
Note : Rubber Tubing of different sizes and Dimensions available with us.

Rubber Cork Stopper, Solid :

Made of natural rubber. Red in colour.

- Types : Rubber Cork Stopper, without Hole
 Rubber Cork Stopper, with one Hole
 Rubber Cork Stopper, with Two Hole

Pack Size : 50pc/ pack and 100pc/ pack



Pipette Filler, 3 Way :

Three way. Red in colour.

Capacity : 50ml and 100ml

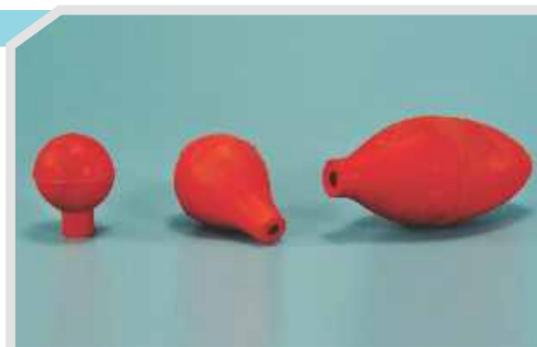
- Note: Also available in Silicon.

Pipette Bulb :

One way .Red in colour.

Capacity : 10ml, 15ml, 20ml and 25ml (Oval in shape)

- Note: Also available in Silicon.

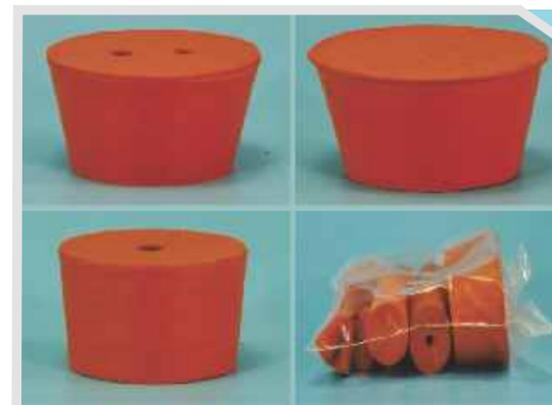


Rubber Cone for Filter Flask

Flask Stand, Silicon

Hand Protector, Silicon

Crucible Sleeve, Set



Cork Stopper, Extra Soft :

Cork Stopper made of mix of synthetic and natural rubber. Orange in colour. Extra soft.

Types :

- Cork Stopper, Extra Soft, without Hole (Pack of 50 and 100)
- Cork Stopper, Extra Soft, with One Hole (Pack of 50 and 100)
- Cork Stopper, Extra Soft, with Two Holes (Pack of 50 and 100)

Silicon Rubber Tubing :

Suitable for laboratory, Pharmaceutical and industrial use. It has advantages over other types such as latex, usual synthetic rubber and plastic tubings. Suitable for use over a temperature range of -50°C to 250°C hence useful for transfer of hot liquids. Tubing is odourless. It does not impart any smell or taste to liquid passing through it. Highly elastic and hence suitable for use with peristaltic pump. Silicon rubber is attacked by strong acids, strong alkalies, oils, bromine, Carbontetrachloride and toluene. The tubing is not recommended for use with these materials. Silicon Rubber tubing is transparent to translucent.



Note : Rubber Tubing of different sizes and length available with us.



Silicon Cork Stopper :

Translucent and Solid.

Note : Cork Stopper of different sizes and Dimensions available with us.

BRUSHES

physics

physics



Brush, Bottle :

Bristle Head, on wire Handle with Cotton Tip Head. Straight.

Brush, Measuring Cylinder :

Bristle Head, on Galvanized wire. Nylon Fan Type Bristles Head.

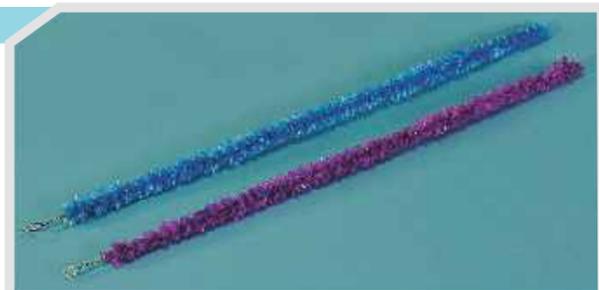


Brush, Burette :

Bristle Head, on wire Handle. With Cotton Tip Head.

Brush, Pipette :

Double Bristle Type, on Galvanized wire Handle. Center Bristle Diameter: 25mm, Length: 70mm. Top End Bristle of 35 mm length.



Brush, Test Tube :

Bristle Type, on Galvanized wire.
Types:
Brush, Test Tube, with Cotton Tip Head
Brush, Test Tube, without Cotton Tip
Brush, Test Tube, with Nylon Fan Type Tip Head

Note : Micro Brush also available.

Brush, Beaker :

Bristle Head on Galvanized wire. Head size 150 x 125mm (length x Horizontal Diameter), Overall length 425mm.



MEASUREMENT AIDS

Meter Rule :

Double Scale, both edges divided in millimeters figured centimeters, opposite direction reading facility. Available in one meter long and half meter long models.

- Meter Rule, Hard wood
 - Meter Rule, Soft wood, MDF
 - Meter Rule, Stainless Steel
- Note : Meter rule, Plastic also available.



Vernier Caliper :

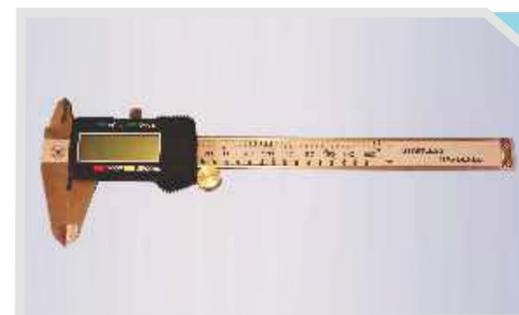
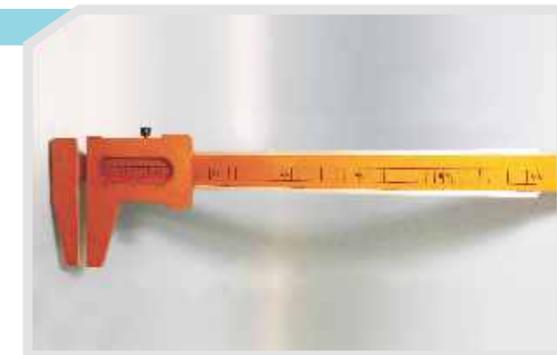
The metric scale is graduated millimeter for 12 cm and the 10 part Vernier reads is 0.1 mm. The English scale is graduated to 1/16 inch for 5 inches and its 8-part. Vernier reads to 1/28 Inch with adjusting wheel in and depth gauge.

- Vernier Caliper, Iron Type
- Vernier Caliper, Stainless Steel
- Vernier Caliper, IME Type

Note : Vernier Caliper, Plastic also available.

Vernier Caliper , Demonstration, Wooden :

Vernier Calliper, Demonstration, Wooden, Wooden Model, Total Length 750mm, Vernier demonstration of 60mm.



Vernier Caliper, Digital :

Highly sensitive and accurate vernier caliper made of hardened stainless steel that also incorporates digital scale along with the sliding caliper scale. Capable of measuring internal and external dimensions, depth and steps and perform differential method of measurement in both metric as well as inches. Measuring range 0 - 150 mm or 0 - 6 inch. with digital scale having accuracy of 0.01 mm / 0.0005 inch. Other features include large, bright LCD display, locking screw for accuracy, zero setting, power ON / OFF buttons with auto power off, mm/inch changeover.



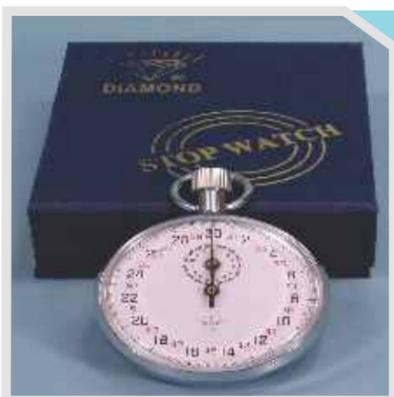
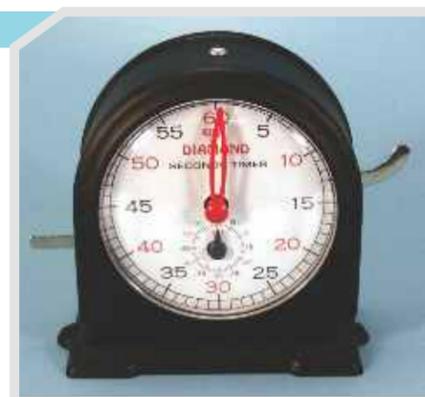
Micrometer Screw Gauge :

Superior quality Micrometer Screw Gauge, semicircular Welch pattern, dull nickel finish, oxidized threaded rod individually packed in card board box or plastic case.

- Micrometer Screw Gauge, Stainless Steel
- Micrometer Screw Gauge for Engineering
- Micrometer Screw Gauge, Digital

Stop Watch, Diamond Brand :

Smithtype, encased in a metal case with fly-back action. At the right side case is the stop and start lever, the operation of which enables a timer start and stopped as desired. On the other side of the case is a press which returns the hands to zero, after the mechanism has been stopped means of a stop lever. A subsidiary dial recording 0 to 60 minutes is below the second hand. It comes with Least count of 1 second.

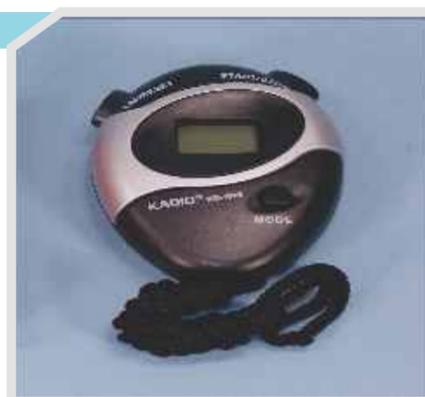


Stop Watch, Mechanical :

This is first quality, precision made jeweled movement watch in attractive chromium plated case. The face of the stopwatch is transparent for easy reading of graduation and figures. It has an arrangement for the start and stop of the watch. There is a lever at the top of the body when this lever pressed for the first time, the watch starts, when the same lever is pressed for the second time, the watch stops. A third press on the lever brings the watch to zero reading. This stop watch reads 1/10th of a second. It comes with Least count of 0.1 second.

Stop Watch, Digital :

Made in plastic with clear LCD display, with start stop and reset buttons and provided with battery. Timer, showing normal time, hours, minutes, seconds. Days, dates, months are displayed, 1/100th second. With alarm.



First Aid Kit

We offer wide range of first aid kit, useful for routine first aid purposes.

Supplied in sturdy plastic box or zipped pouch.

First Aid Kits includes scissors, forceps, cotton dressing ,2", waterproof bandages, Cotton Dressing,3", Safety Pins, Disposable Gloves Pair, Antiseptic Solution, Cotton, Microspore Tape Roll 10 mm, Crepe Bandage, Antiseptic Ointment.



Filter Paper, Students

Filter Papers of JAPSON Brand are made of Hand Made Paper are ideal for clarifying and removing precipitates, and preparation for qualitative analysis in school. Supplied in pack of 100 circles.

Sizes (diameter) available are 9cm, 12.5 cm, 18 cm, 22 cm, 11.5 cm, 15 cm, 21.5 cm, 24 cm.

Filter Paper, Analytical

Filter Paper is made from most premium virgin pulp. The quality is consistent batch after batch. This filter paper is Equivalent to Whatman no.1. Filter speed: Medium – fast ; Retention : Medium. Neutral in nature with good wet strength; non –toxic; low ash contents , smooth, lint-free, uniform surface. Pack of 100 circles. Sizes (Diameter) Available are 9cm, 12.5 cm, 18.5 cm, 24 cm, 11 cm, 15 cm, 21.5 cm.



pH Indicator Paper

pH indicator papers are manufactured from high quality pH Indicator paper. In form of 5 or 10 booklets of 20 leaves in plastic case with pH colour indicator chart.

pH Indicator Paper, 100 Leaves

pH Indicator Paper, 200 Leaves



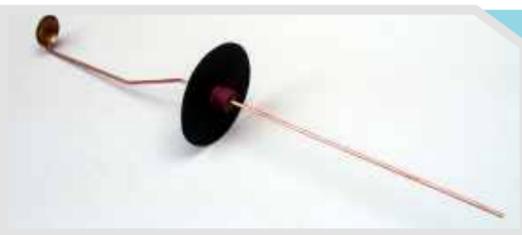
Cobalt Chloride test paper

It is used to indicate the presence of water. The paper turns from blue to pink if it comes in contact with water molecules. The water can be in liquid or vapor form.

Indicator Paper, Litmus

Supplied in small plastic case of 5 books each with 20 leaves of size 63.5 x 10 mm wide approx.

Total 100 leaves. Available in Red and Blue litmus paper



Deflagrating Spoon with Lid

Die pressed steel spoon, 20 mm dia., welded with rod. Complete with cover of 90 mm dia. having cork in centre for holding the rod.

Burette / Funnel / Pipette Stand

- Burette stand, wooden
- Burette & Funnel stand wooden
- Pipette Stand, Horizontal, Wooden
- Pipette Stand, Vertical, Wooden



Air Pump (Vacuum Pump)	56	Electromagnet	61
Alloys Set, Collection of 20 Alloys	31	Electrostatic Kit	63
Anemometer	80	Evaporating Dish	84
Aneroid Barometer	80	Expansion of Liquid Apparatus	48
Animal Cell/Plant Cell, Mitosis & Meiosis	26	Ferrite Discs	41
Aspirator Bottle	11	Filter Apparatus with Gooch Crucible	6
Atomic Model Set	13	Filter Paper, Analytical	91
Balances	51-53	Filter Paper, Students	91
Bar & Gauge	78	First Aid Kit	91
Bar Magnet	40	Fisher Clamp	12
Beaker, Plastic	10	Flask, Distillation	1
Beaker, Glass	1	Flat Bottom or Round Bottom Flask	1
Beehive Shelves	85	Float Rack	14
Bell Experiment Apparatus	46	Floating Ring Magnet	40
Bernoulli Tube Apparatus	47	Fluid Pressure Apparatus (Spouting Cylinder)	46
Bimetallic Strip	76	Fluid Pressure Apparatus, Hydraulic Press	48
Boss Head	72	Force on a Conductor Apparatus	62
Bottles	3	Force Pump	49
Bourdon Gauge	49	Force Table	81
Boyles Law Apparatus	48	Forceps	29
Brushes	88	Fractionating & Chromatography Column	5
Buchner Funnel, Glass with Sintered Disk	4	Frequency Signal Generator	70
Bucket and Cylinder	45	Friction Rods	63
Bunsen Burner	75	Funnel Porcelain	84
Burette, Plastic	10	Funnel Separating / Filtering	4
Burette / Funnel / Pipette Stand	92	Funnels, Plastic	13
Burettes, Glass	9	G - Clamps	81
Calorimeter	76	G by Free Fall Apparatus	74
Capacitance/Inductance Box	58	Galvanometer	39
Carrier Tray	17	Gas Tap	82
Cathode Ray Oscilloscope	72	Gas Tap, Chrome Plated	82
Cavity Tile / Spotting Tile	84	Glass Block, Rectangular	42
Cell Holder	59	Gloves	30
Centrifuge Machine	33	Gold leaf Electroscope	62
Centrifuge Tube	14	Googles	65
Charles Law Apparatus	48-49	Graduated Pipette, Glass	4
Charts	32	Hand Lens	66
Circuit Board	60	Hand Operated Vacuum Pump	56
Clay Pipe Triangle/Crucible Triangle	85	Hare Apparatus	44
Clinical Thermometer	80	Hoffman Clip	74
Clinostat	33	Hoffman Voltmeter	78
Cobalt Chloride test paper	92	Hook's Law Apparatus	47
Colour Filters	67	Hope's Apparatus	78
Compact Light Source	66	Horse Shoe Magnet	41
Condenser	5	Human Brain Model	23
Conductivity Rods	77	Human Circulatory System	18
Conductors, set of 3	62	Human Digestive System	18
Conical Flask	1	Human DNA Model	22
Conical Measure	17	Human Ear Model	24
Connecting Leads	59	Human Eye Model	24
Connectors	12	Human Female Genital Organs	21
Control Tap	82	Human Female Urogenital	22
Copper Pipe for Gas Fitting	82	Human Head Model	23
Cork borer	83	Human Heart	19
Cork borer Sharpener	83	Human Hypertension Model	20
Cork Stopper, Extra Soft	87	Human Intestinal Villus	20
Crooks Radiometer	69	Human Joint's Model	25
Crucible Porcelain	84	Human Kidney	19
Cryo Box / Rack	15	Human Larynx	19
Decade Resistance Box	57	Human Liver	20
Deflagrating Spoon with Lid	92	Human Lung	18
Demonstration Dynamo	64	Human Male Genital Organs	21
Demonstration Electric Motor	64	Human Male Urogenital	22
Demonstration Meter	39	Human Nervous System	18
Demountable Transformer	64	Human Neuron Model	23
Dessicator, Glass	6	Human Nose	22
Dessicator, Plastic	12	Human Pancreas, Spleen & Duodenum	20
Diesel Engine Model	65	Human Pelvis Female	21
Digital Analytical Weighing Balance	53	Human Pelvis Male	21
Digital Electronic Weighing Balance	53	Human Respiratory System	18
Digital Meter	38	Human Skeleton Model	25
Direct Vision Spectroscope	68	Human Skin	20
Dissecting Board	28	Human Skull Model	25
Dissecting Needle	28	Human Spinal Cord	21
Dissecting Scissors	29	Human Spinal Cord Model	24
Dissecting Set	28	Human Stomach	20
Dissecting Tray	28	Human Teeth Model	24-25
Distillation Assembly	7	Human Torso	18
Doctor Microscope, ENT (Floor Model)	37	Human Urinary System	22
Doctor Microscope, Eye (Floor Model)	37	Human Vertebral & Partial	21
Double Pan Balance	53	Hydrometer Light & Heavy	79
Draining Rack	17	Hygrometer, Whirling	79
Dropping Bottle, Glass	3	Igneous Rock Set, Collection of 1531	66
Dropping Bottle, Plastic	10	Indicator Paper, Litmus	92
Dynamic trolley	77	Induced Current Apparatus	61
		Induction Coil	63
		Instrument Tray	17

J oints	82	Retort Clamp	73
K idney Tray / Surgical Tray	30	Retort Ring	73
Kinetic Theory Apparatus	50	Retort Stand, Metal	72
Kipps Apparatus Glass	7	Retort Stand, Plastic	12
L aboratory Jack	73	Rheostat	57
Laboratory Tray	17	RIA Vial	14
Lens Holder	67	Ring & Ball	78
Lenses	42	Ripple Tank	71
Lift Pump	49	Rock Set	31
Linear Air Track	75	Rubber Cone for Filter Flask	87
Loud Speaker Unit	70	Rubber Cork Stopper, Solid	86
M agdeburg Hemisphere	45	Rubber Tubing	86
Magnadur Magnets	41	Scalpel Blades	30
Magnetic Compass	83	Scalpel Handle	30
Magnetic Compass, With Lock	83	Sedimentary Rock Set, Collection of 15	31
Magnetic field Apparatus	61	Separating Funnel	17
Magnetic Field Demonstrator	60	Silicon Cork Stopper	87
Magnetic Kit	40	Silicon Rubber Tubing	87
Magnetic Needles on Stand	83	Slide Mailer	13
Magnetizing & Demagnetizing Coil	60	Slide Storage Rack	14
Maltese Cross Tube	69	Slinky Spring	71
Masses (Weights)	54-56	Smoke Cell	81
Max & Min Thermometer	79	Solar Energy Kit	68
MCT Tube Rack	14	Sonometer	71
Measuring Cylinder, Glass	2	Soxhlet Extraction Apparatus	7
Measuring Cylinder, Plastic	16	Spatula	17
Measuring Jug	16	Specimens	32
Membrane Filter Holder Assembly	6	Spectrometer	43
Metal Cubes	45	Spectrum tubes	69
Metal Cylinders	45	Spectrum tubes Stand with Power Supply	69
Metal Set, Collection of 12 Metals	31	Spherometer	81
Metamorphic Rock Set, Collection of 15	31	Spinal Cord	21
Meter Rule	89	Spirit Lamp	75
Micrometer Screw Gauge	90	Spring (Newton) Balance	50-51
Microscopes	34-37	Steam Engine Model	65
Microscope Slides	32	Stone Set, Collection of 20 stones	31
Mineral Set	31	Stop Watch, Diamond Brand	90
Mirror	42	Stop Watch, Digital	90
Molecular Set	27	Stop Watch, Mechanical	90
Mortar & Pestle, U Type, Round Form	85	Storage Boxes	17
Moving Coil Meter,	38	Stroboscope	66
Multi-Range Meter	39	Switches	59
N arrow and Wide Mouth Bottles	11	T angent Galvanometer	60
Newton Colour Disc	66	Telescope	43
Newton Ring Apparatus	68	Test Tube Holder	74
Nicholson Hydrometer	44	Test Tube Peg Rack	15
O ersted's Apparatus	62	Test Tube Stand	15
Ohm Meter	39	Test Tube Stand (Wire pattern)	16
Optical Bench with Accessories	67	Test Tube Stand, Wooden	67
Optical Pins	67	Thermometer Laboratory	79
Ores Set, Collection of 20 Metallic Ores	31	Thermometer, Digital	80
Orsat Gas Analysis Apparatus 3 Test	6	Ticker Tape Timer	75
Overflow Vessel (Eureka Can)	44	Tongs	73
P ascal Law Experiment	46	Transparent Tubular Acrylic Body	50
PCR Tube Rack	14	Tripod Stand	73
Pendulum Bobs or Spheres	45	Tubes & Vials	8
Personal Weighing Scale	54	Tubular Metal Body	50
Petri Dish, Glass	2	Tuning Fork on Resonance Box	70
Petri Dish, Plastic	13	Tuning Fork Set	70
Petrol Engine Model	65	U rine & Stool Container	14
pH Indicator Paper	91	U-Shape Magnet	40
Pinhole Camera	68	Utility Tray	17
Pipette Bulb	86	U-Tube Manometer	44
Pipette Filler, 3 Way	86	V an de Graff Generator	64
Pipette Pump	10	Vernier Caliper	89
Pipette Stand	16	Volumetric Flask, Glass	2
Pipette tips and Pipette box	17	Volumetric Flask, Plastic	15
Platform Scales	54	Volumetric Pipette	5
Platinum Resistance Thermometer	58	W all Thermometer Plastic Body	79
Plotting Compass, Small	83	Wash Bottle	11
Porous Pot / Porous Plate	85	Water (Liquid) Level Apparatus	47
Portable Diaphragm Type Vacuum Pump	46	Water Tap, Swan Neck	82
Potentiometer Module	57	Wave Motion Apparatus	72
Potentiometer, Single Wire	58	Weight Set	56
Power Supply, AC/DC	76	Westminster Magnetic Kit	61
Power Supply, DC, Battery Eliminator	76	Wet & Dry Thermometer	79
Prism	42	Wheatstone Bridge	58
Pulleys	77	Whimshurt Electrostatic Machine	63
Q uick Fit Kit	8	Wires	59
R ay Box	43	Y oung's Modulus Apparatus	47
Reagent Bottle, Glass	2		
Reagent Bottle, Plastic	11		
Reagent Bottle Amber Glass	3		
Resistance Coils	57		
Resonance Apparatus	71		

Showroom Pictures



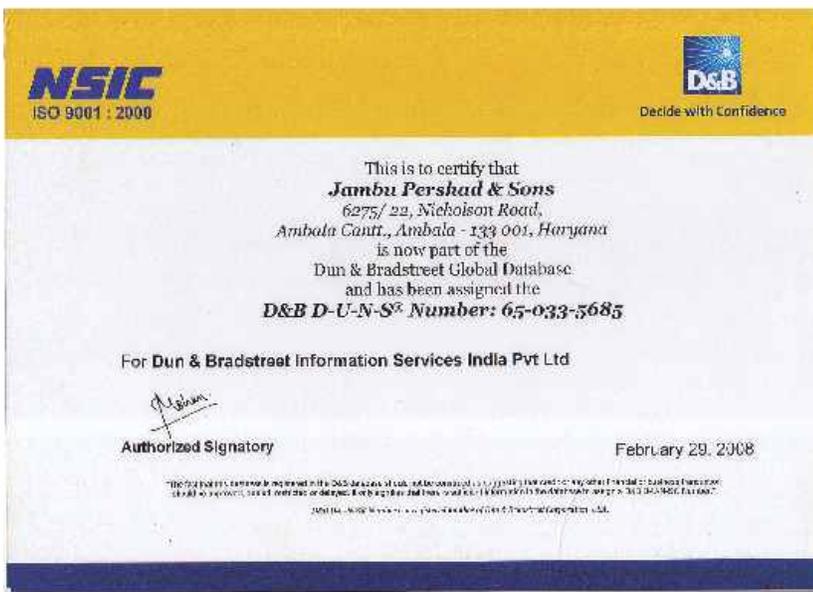
Gold Medal From
Transworld Trade Fair In Indonesia



Best Exporter Award Trophy
From Haryana Govt.
For The Year 1987,88,89 And 1990

*Certificates
& Awards*

Showroom Pictures



Gold Medal From
Transworld Trade Fair In Indonesia

Best Exporter Award Trophy
From Haryana Govt.
For The Year 1987,88,89 And 1990

*Certificates
& Awards*



Single Source Solution Provider
for all your Scientific Requirements

| PHYSICS | CHEMISTRY | BIOLOGY | MICROSCOPES | GLASSWARE

JAMBU PERSHAD & SONS

Address : 6275/22, Nicholson Road,
Ambala Cantt. - 133001 INDIA

Phone : 0091-171-4006897, 4006441.

Fax : 0091-171-2602666, 0091-171-4006081

E-mail : japson@gmail.com, japsonambala@yahoo.com

Website : www.japson.com