



PHYSICS | CHEMISTRY | BIOLOGY | MATHEMATICS | GLASSWARE | THERMOMETER

PRODUCT LIST

Company Profile

Union Scientific Traders is an over 65 years old company specialized in the field of Scientific, Laboratory, Educational and Analytical Products and offer its products by the brand name of UNISC all across the globe. It has a global dealer base through which it sells its products to Retail Customers. UNISC executes tenders and complete turn-key projects for Schools, Colleges, Universities, Analytical and Research Laboratories in partnership with its counterparts in various countries. It also lends its services as OEM manufacturer of different products within its manufacturing range to many companies.

History

Union Scientific Traders was incorporated in the year 1946 by two brothers Late Mr Gian Chand Jain and Late Mr Nem Chand Jain. Over the years the philosophy of UNISC has always been to provide complete Laboratory Solutions to its customers. In the initial years of its inception, the firm catered to the requirements of institutions in India, Pakistan, Ceylon and Burma. Subsequently in seventies UNISC made forays in the South East Asian markets of Singapore, Malaysia and Thailand. In Eighties Union Scientific Traders was awarded a large number of International Contracts in Sudan, Ethiopia, Kuwait, Yemen, Jordan, Malaysia, Singapore, Oman, Saudi Arabia, Dubai, U.K., Kenya, Philippines, Iraq, Zambia, Ghana & Sri Lanka. All these contracts were won by UNION in global bidding of the World Bank and the Asian Development Bank. In Nineties it aggressively expanded its dealer base and partnerships all across the globe building a company based on loyal customers.

Present

Union Scientific Traders currently has its Corporate Office, Ware House, Testing Laboratory and Manufacturing Facilities in Ambala, India. Along with its subsidiaries it has in-house manufacturing facilities and control over production of all major products lines within its product range. Currently UNISC has a firm market in African, Asian, Middle-East and European Countries where it supplies to dealers, small projects and tenders.

UNISC has a Sister Concern Vaiseshika (<http://www.vaiseshika.com>) that offers Pressure, Temperature, Flow, Calibration Measurement and Test Instruments to various Defence Installations and Industries in India.

Awards & Honours

UNISC has been awarded trophies by State and Central Government for its best Export Performance. It has also been awarded Gold Medal by Trans World Trade Fare Services.

Human Resource Competence

Professional Top Management consists of a balanced team of experienced and young executives from both commerce and engineering backgrounds. It also has a pool of engineers and technicians working in the field of Manufacturing, RnD and Quality Assurance on permanent and ad-hoc basis.

Certifications and Accreditations




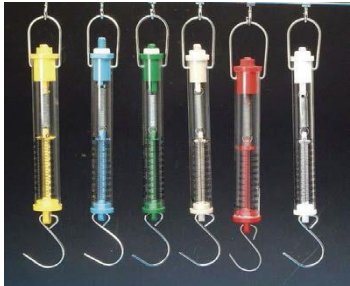

ISO 9001 : 2008 Quality Certification





UNISC has its quality standards according to guidelines laid by ISO 9001:2008 Certification Accredited by QS Zurich AG Switzerland, Vide Certificate No. 2205. Each supply goes through the quality check process where it is checked physically and functionally in proper laboratory to ensure proper working and satisfaction of End-Consumer.












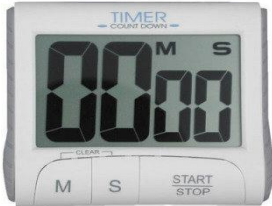
D&B Financial Certification






UNISC has been certified by Dun & Bradstreet Information Services India Pvt. Ltd. vide D & B D-U-N-S Number : 65-033-5685 for financial adequacy. Thus our new partners can deal with us with confidence.



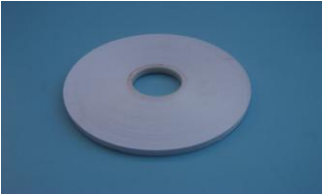


Sr No	Product Name	Description	Photo
1	Two Way Forcemeter	A series of tubular meters used to investigate measurement of force involving either a push or a pull action. Calibrated in grams and newton's. The extended rod has a clear flat surface to mark own scales of measurement using a dry wipe marker. The range of six balances is colour coded for easy reference.	
		500g/5N, Green	
		1kg/10N, Beige	
		2kg/20N, Red	
		50g/2.5N, Blue	
		3kg/30n, White	
		5kg/50N, Yellow	
2	Forcemeter	High quality tubular spring balances which are colour coded and scaled in both newton's and grams. The stainless steel spring mechanism is clearly visible and zero adjustment is incorporated.	
		250g/2.5N, Blue	
		500g/5N, Green	
		1kg/10N, Beige	
		2kg/20N, red	
		3kg/30N, White	
		5kg/50N, yellow	
3	Spring Balance, Dual Scale	Metal cased, flat form, dual scale spring balance.	
		Spring Balance, Dual Scale 100G	
		Spring Balance, Dual Scale 250G / 2.5 newton	
		Spring Balance, Dual Scale 500G / 5 Newton	
		Spring Balance, Dual Scale	
		Spring Balance, Dual Scale 2000G / 20 Newton	
		Spring Balance, Dual Scale 5000G / 50 Newton	
		Spring Balance, Dual Scale,10.0kg	








4	Brass Mass Sets	Brass Masses. Small from slotted masses and hangers. 100g Hanger only.	
		Brass, Hanger 500g	
		Brass, Hanger. 9x10g (10g Hanger)	
		Brass, Set incl.20g Hanger + 4x20g mass	
		Mass,Brass,set incl.Hanger 250g	
		Mass,Brass,set incl.Hanger 1000g	
5	Mass, Large Format, Cast,hanger	Cast masses. Large format slotted mass. 500g hanger only.	
		Large Format, Cast, Hanger 0.5kg	
		Large Format, Cast, Hanger 1kg	
		Large Format, Slotted Mass 100g	
		Large Format, Slotted Mass 200g	
		Large Format, Slotted Mass 500g	
		Large Format, Slotted Mass 1Kg	
		Large Format, Slotted Mass 2Kg	
Large Format, Slotted Mass 5Kg			
6	Mass, Hexagonal With Ring Handle	Mass, Hexagonal with Ring Handle	
		Mass, Hexagonal with ring - 50g	
		Mass, Hexagonal with ring - 100g	
		Mass, Hexagonal with ring - 200g	
		Mass, Hexagonal with ring - 500g	
		Mass, Hexagonal with ring - 1000g	
		Mass, Hexagonal with ring - 2000g	
Mass, Hexagonal with ring - 5000g			
7	Mass, Cast Alloy	Small format cast alloy mass & hangers.	
		9 x 10g + Hanger 100g	
		9 x 10g + Hanger 100g	
		9 x 100g + Hanger 1000g	
		9 x 100g + Hanger 1000g	
		Slotted Mass, 10g	
		Slotted Mass, 20g	
Slotted Mass, 50g			

8	Brass Masses & Hangers	Small form slotted mass & hangers	
		Brass, slotted mass 100g	
		Brass, slotted mass 5g	
		Brass, slotted mass 10g	
		Brass, slotted mass 20g	
		Brass, slotted mass 50g	
		Mass, Brass, Hanger 100g	
		Mass, Brass, Hanger 10g	
		Mass, Brass, Hanger 20g	
		Mass, Brass, Hanger 50g	
9	Mass, Weighing Set On Tray	A combined set of accurate steel and brass weights that are housed in a sturdy WOODEN TRAY. Provides for weighing objects from 10g to 1990g in 10g increments. 3 steel weights and 6 brass weights. Contents: 1 each of - 1kg, 500g, 200g, 50g, 20g; 2 each of - 100g & 10g; 1 moulded tray.	
10	Mass Weighing Set Brass	Polished brass weights in hardwood case with hinged lid and divided compartments. Nickel silver and aluminium fractions	
11	Calliper, Vernier, Plated Steel Dual Scale 0-15cm (Boxed)	IME type, improved design, plated steel with dual scale, 0-15cm x 0.1mm and 6 x 1/128". Provided with thumb movement for easy motion of jaws. Supplied in plastic case	
12	Newton Mass Set	9 x 0.1N slotted brass masses with 1 x 0.1N hanger	

13	Triple Beam balance	<p>Triple pan balance with weighing capacity upto 610g and extended to 2610g when used with supplementary masses both with 0.1g readability. The three tiered 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.</p>	
14	Spherometer	<p>Spherometer for the accurate measurement of the radius of curvature of spherical lenses. Made of brass with a vertical scale of 10-0-10mm and a micrometer scale with 100 divisions</p>	
15	Opisometer	<p>For measuring the length of curved lines. Consists of a knurled wheel which runs on a transversely mounted threaded spindle</p>	
16	Micrometer Screw Gauge, Lock Type	<p>Made of nickel-plated brass with ratchet top. Accurately machined stainless steel rod with range 0-25 x 0.01mm. Lock type. For outside measurements up to 25mm. supplied in plastic case. Precision: 1/100mm</p>	
17	Timer, Digital	<p>Large digital countdown timer with range up to 99 minutes and 59 seconds, with resolution of second.</p>	






18	Stop Clock (Metal Case)	A general purpose stop clock with large start and reset triggers for operation. Housed in a black powder-coated metal case with 100mm dial. Packed in sturdy case with protective foam insert	
19	Callipers In-Out	Steel callipers for external and internal measurement.	
20	Ruler, 1 Meter Wooden CM/MM	Well finished hardwood ruler graduated on both edges in centimetres and millimetres. One edge labelled 0-100cm left to right, the other edge in reverse.	
21	Inclined Plane With Friction Board	For investigating sliding friction. consisting of a plane board hinged at the base at one end, with a pulley for the force cord at the other end. The inclination of the plane is variable and is locked into position by means of a screw clamp with pointer. Clear increments reflect the selected angle on the attached angle measuring plate.	
22	Ticker Tape Carbon Disc (Pk100)	Ticker tape carbon discs, 50mm dia with 4mm hole, for ticker tape timers (codes: EDU035, EDU036, EDU042). Box of 100	








23	Ticker Tape Timer - 12V Black	<p>These devices use an electromagnet which activates a striker, producing dots via a carbon disk on the ticker tape. The dots are produced at a rate of 50 - 60hz depending on the mains frequency. With 4mm terminal sockets. The ticker tape timers are used in the measurement of velocity, acceleration and general timing. There are 6V &12v units available - please check your unit rating before connecting the unit to a PSU</p>	
24	Ticker Tape Timer, 6V incl. Tape & Disk	<p>These devices use an electromagnet which activates a striker, producing dots via a carbon disk on the ticker tape. The dots are produced at a rate of 50 - 60hz depending on the mains frequency. With 4mm terminal sockets. the ticker tape timers are used in the measurement of velocity, acceleration and general timing. There are 6V &12v units available - please check your unit rating before connecting the unit to a PSU</p>	
27	Ticker Tape Timer Roll (5 Roll Pack)	<p>Ticker tape rolls for ticker tape timers (Codes: EDU035, EDU036, EDU042). Pack of 5 rolls, 30m x 15mm.</p>	
32	Ammeter 0-5A	<p>Moving coil, dc only, with 4mm socket terminals. Size: 125 x 80 x 80mm. Scale length: 60mm. Other measurement ranges available - please enquire for further details. 0-5A, single range</p>	
33	Ammeter, Dual Range 0-1 & 0-5A	<p>Ammeters moving coil, DC only, with 4mm socket terminals. size: 125 x 80 x 80mm. Scale length: 60mm. Other measurement ranges available - please enquire for further details. 0-1/0-5A, Dual</p>	


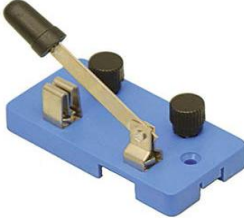




34	Voltmeter Dual Range 0 - 5v/15v	Moving coil, dc only with 4mm socket terminals. Single and dual range models available. Size: 125 x 80 x 80mm. scale length: 60mm. 0-5V/15V, Dual	
35	Voltmeter Dual Range 0 - 5v/10v	Moving Coil, DC only with 4mm socket terminals. Single and dual range models available. Size: 125 x 80 x 80mm. Scale length: 60mm. 0- 5V/10V, Dual	
36	Digital Coulomb Meter	The display shows the number of coulombs deposited into the instrument, either by current through a resistance or from a capacitor, or from a source of static electricity. Displays up to 199 nC, accuracy • 10nC.	
37	Voltmeter dual range 0 - 1v/5v	Moving Coil, DC only with 4mm socket terminals. Single and dual range models available. Size: 125 x 80 x 80mm. Scale length: 60mm. 0-1V/5V, Dual	
38	Ohmmeter Series Type 0-100 ohms	Designed for measuring resistance in electric circuits. Housed in unbreakable case with clear front cover. Series, 0-100Ohm	
39	Galvanometers	Galvanometer 50-0-50mV	
		Galvanometer 1-0-1mA	
		Galvanometer 35-0-35mV	
		Galvanometer 3.5 - 0 - 3.5mA	
		Galvanometer 30-0-30	
40	Voltmeter Single Range	Voltmeter single range 0 - 1	
		Voltmeter single range 0 - 1,5	
		Voltmeter single range 0 - 3,0	
		Voltmeter single range 0 - 5,0	
		Voltmeter single range 0 - 10,0	




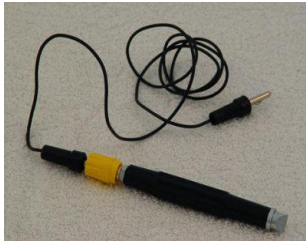


Voltmeter single range 0 - 15,0






Voltmeter single range 0 - 30,0





42	Multimeter Digital 8300 Series		
43	Joulemeter, Student Digital	The student Joulemeter is designed specifically for student use. The unit can measure energy from 1 joule to 999,999 joules, with accuracy of 3%, but 1% accuracy is typical. Power is by means of a 9V dc mains adaptor included.	
45	Worcester Circuit Board	The new improved Worcester circuit board allows students to investigate the nature and properties of electricity. The detachable battery holders enable the construction of simple series and parallel circuits. The phosphor - bronze connectors ensure long life and good electrical conduction. The diode and resistor are mounted as the switch and bulder so as to provide an easy and quick construction of circuits. The plugs and crocodile clips allow extension to outboard experiments.	
46	Stackable Lead	Stackable leads 4mm stackable lead. 500mm length	
48	Crocodile Leads	Stackable plug to miniature shrouded crocodile clips 500mm test leads fitted with a 4mm stackable connector and a crocodile clip. Available in red or black. Red	



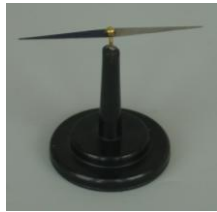
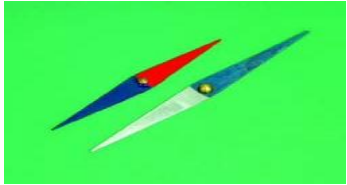



49	Stackable Test Leads	Stackable test leads, 100mm 100mm test leads fitted with a 2mm stackable connector at each end. Available in Red or Black	
50	Stackable Test Lead Red Black 4mm	Stackable test lead with retractable shrouds 1m test leads fitted with stackable 4mm connectors at each end. The connectors have a retractable shroud for extra safety. Available in red or black	
51	Battery Holders	A range of battery holders to suit AAA and AA batteries. Press stud type are compatible with a standard pp3 battery clip. tag type allows you to fix your own wires or use crocodile clips to make a connection.	
52	Battery Clip, PP3	A standard PP3 battery clip with 150mm leads. Can be used with pp3 batteries or press stud type battery holders.	
53	Battery Holders, Flying Leads	These battery holders for AAA, AA and PP3 batteries are fitted with 150mm of wire.	
54	Battery Snap With Croc. Clip	Battery connector with crocodile clips attached for easy connection.	
55	Switch, Toggle, DP.DT. (Pk10)	DPDT toggle switches. rated at 250V, 1.5a a/c. Pack of 10.	



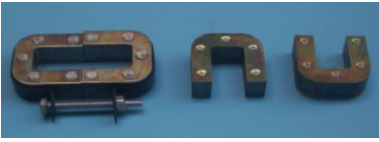



56	Electric Motor	<p>A low-cost miniature dc motor suitable for many applications including models, robotics and educational demonstration equipment. The two flat sides make the motor ideal for mounting on a PCB. Rotates counter clockwise when viewed from the shaft end. Solder tag termination. Operating voltage 1.5 to 4.5V dc. dia: 20mm; shaft length: 9mm; shaft diameter: 2mm; Weight: approx 17g; Width across flats: 15mm.</p>	
57	Knife Switch - Single Pole, Single Throw	<p>A range of knife switches mounted on plastic bases, suitable for use in electricity circuits. The poles and blades are made of brass to ensure good electrical connections. Single pole, single throw.</p>	
58	Knife Switch, Single Pole, Double Throw, On Base	<p>A range of knife switches mounted on plastic bases, suitable for use in electricity circuits. The poles and blades are made of brass to ensure good electrical connections. Single Pole, Double Throw.</p>	
59	Bulb, MES Lamp	<p>A range of standard MES lamps in various voltages. 1.5V.</p>	
60	Lamp Holder E-10	<p>Lamp holder fitted with MES type bulb holder and terminals</p>	
61	LED, 5mm, Pack of 100	<p>Standard 5mm LEDs available in a range of colours. Red, pack of 100.</p>	






62	NORPS 12 LDR	This light dependent resistor is housed in a robust clear plastic case	
64	Miniature LDR	This miniature light dependent resistor is housed in an epoxy package. Dark resistance of 1MO.	
65	Resistance Coils	Resistance units to add to any circuit for basic electrical experiments. Instead of using simple resistors these blocks provide convenient connections to a resistance by means of 4mm sockets.	
66	Jockey 100mm With Insulated Handle (Single)	For Wheatstone Bridge and Potentiometer work. Insulated handle with plated brass contact and 4mm plug terminal. Overall Length: 100mm.	
67	Wheatstone Bridge	This Wheatstone bridge has broad, heavily plated brass strips mounted on a polished hardwood base. Terminals with 4mm sockets are provided. The 24 SWG constantan wire is stretched along the top of a metre scale in mm and cm. supplied with jockey. Dimensions: 1130 x 80 x 50mm.	
68	Potentiometer, 1metre, Single Wire	New design with protective cover. Wound upon a tube with heavily oxidised resistance wire. Fitted with 4mm safety socket terminals. Resistance 10% compared to nominal value	





69	Potentiometer Modules	Rotary linear potentiometer mounted on a channel box. Choice of values. Connection made to 4 mm sockets. Protection against student's wrong connection by means of fast blow fuse.	
70	Decade Resistance Box	This decade resistance substitution box provides 3 decade ranges from 0 to 11,110 ohm with a resolution of 1 ohm. 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. All resistance values are 2% with a rating of 0.25W maximum per range	
71	Thermometer Platinum Resistance	Platinum resistance thermometer for showing the principles of platinum resistance thermometry and accurate temperature measurement. Suitable for temperatures below 150 degrees c. Fine platinum wire of 2ohms resistance wound non-inductively on a mica frame and soldered to copper leads. Base has 4mm socket terminals.	
72	Metal Testing Strips 50x25mm (Set 12)	A set of twelve metal strips for magnetism experiments. Each strip is stamped with a key letter for easy identification. The set contains magnetic and non-magnetic me	
73	Wire, Bare, Nichrome 22 SWG	Wire, Bare copper 0.90dia 20swg 250g reel	
		Wire, Bare copper 0.71dia 22swg 250g reel	
		Wire, Bare copper 1.60dia 16swg 500g reel	
		Wire, Bare copper 0.40dia 28swg 250g reel	
		Wire, Bare copper 0.28dia 32swg 250g reel	
		Wire, Bare copper 0.45dia 26swg 250g reel	
		Wire, Bare copper 0.31dia 30swg 250g reel	


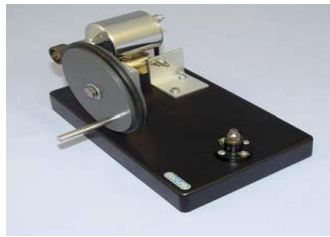


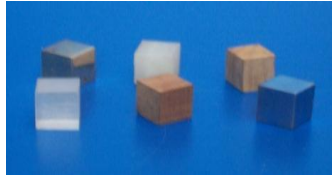

74	Wire, Bare Copper 0.90 dia 20SWG 250g Reel	Wire, Bare copper 0.90dia 20swg 250g reel	
		Wire, Bare copper 0.71dia 22swg 250g reel	
		Wire, Bare copper 1.60dia 16swg 500g reel	
		Wire, Bare copper 0.40dia 28swg 250g reel	
		Wire, Bare copper 0.28dia 32swg 250g reel	
		Wire, Bare copper 0.45dia 26swg 250g reel	
		Wire, Bare copper 0.31dia 30swg 250g reel	
75	Resistance Coils	A copper nickel alloy of low temperature coefficient suitable for resistance coils	
		Wire, Bare, eureka, Constantan 28swg 125g	
		Wire, Bare, eureka, Constantan 34swg 125g	
		Wire, Bare, eureka, Constantan 32swg 125g	
		Wire, Bare, eureka, Constantan 24swg 125g	
		Wire, Bare, eureka, Constantan 26swg 125g	
		Wire, Bare, eureka, Constantan 16swg 125g	
		Wire, Bare, eureka, Constantan 30swg 125g	
76	Compass, Plotting (Two Glass Face) (Pk10)	Glass faced on both sides, mounted in aluminium ring of 20mm diameter. provided with a durable plastic case for storage.	
77	Metal Discs - Set of 8 types 25mm dia	Metal Discs - Set of 8 types 25mm dia	






78	Metal Discs - Set of 16 (8 stamped & 8 unstamped)	Metal discs each stamped with the metal name. Consists of: brass, copper, bronze, nickel, mild steel, stainless steel, zinc and aluminium. 25mm diameter. Set of 8.	
79	Compass, Plotting (One Glass Face) (Pk10)	Dial marked with the cardinal and ordinal points of the compass. Glass faced on one side in aluminium case. 16mm diameter.	
80	Magnetic Needle Stand. Plastic	Non-magnetic metal pillar with carbon steel point, on stable base, of overall height 110mm	
81	Magnetic Needle	Carbon steel needle with jewel or brass pivot bearing. 75mm, Jewel	
83	Magnetising Box (Re-Magnetiser)	Re-magnetiser for bar and horseshoe magnets. No electricity required	
84	Magnet Bar Chrome Steel 100 x 12 x 5 (Pr)	Chrome steel bar magnets packed in pairs with keepers. Coloured half red, half blue. 100x12x5mm.	
85	Magnet Alnico Bars & Keeper 50 x 15 x 10 (Pr)	Alnico magnets. Dimensions are nominal. Boxed in pairs with keepers. 13mm or 15mm thick. 50x15x10mm.	



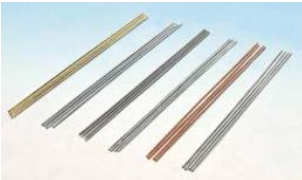

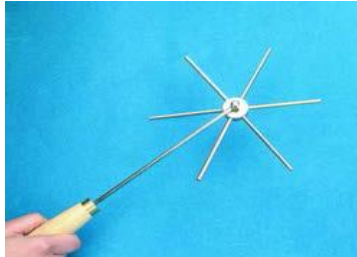

86	Magnetising And Demagnetising Coil	A solenoid wound with insulated copper wire and mounted on a base, complete with switch and 4mm socket terminals. Low voltage, suitable for magnetising and demagnetising ordinary magnets, iron bars, strips etc.	
87	Floating Magnets - Coloured	A set of 5 ceramic magnets, of 32mm external diameter, mounted on a 150mm high wooden pole. Illustrates magnetic repulsion forces	
89	C Cores with Clip (Set 2)	Teaches Faraday's law of induction as well as lenz' law. Show how passing a magnet through a complete loop causes the device to move. No movement at all occurs when using the split loop.	
90	Electromagnet	A solenoid wound with insulated copper wire and mounted on a base, complete with switch and 4mm socket terminals. Low voltage, suitable for magnetising and demagnetising ordinary magnets, iron bars, strips etc.	
92	Electromagnet Kit	With this exciting visual aid, students can explore the unique relationship between the unseen electric and magnetic waves surrounding us. See the difference between wavelength and frequency scales in addition to understanding radio and microwave usage, x-ray and gamma ray absorption and much more!. Accompanied by an explanatory sheet.	
93	Eddy Current Unit	Two masses drop down a 33cm copper tube. One is steel, one is a neodymium magnet. When students see the magnetic mass falls more slowly than the steel mass, you can introduce them to electrical eddy currents. The currents oppose downward motion through a moving magnetic field created by the falling neodymium magnet. Includes test masses.	





94	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 completes the electrical contact between them. When the axle is placed on the rails 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.	
95	Induced Current Apparatus	Consists of a primary coil of insulated copper wire wound upon a cylinder with terminals, 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.	
96	Conductor 5cm (Set3)	Made of brass, interchangeable on pillars, fitted with insulators of ebonite on metal base. Sphere: 5cm, cylinder: 5cm x 12.5cm, cone: 5cm x 15cm	
97	Voltmeter, Copper	Three copper plates supplied with insulated cover and glass jar.	
98	Friction Rod, Brass/Ebonite	Friction rod for various experiments involving static electricity. 300 x 12mm	


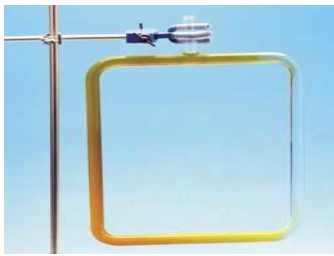


99	Demountable Transformer Kit	Laminated low-loss core for attaching different coils to demonstrate the step up and step down transformer principle. Attractive demountable transformer with clearly labelled coils for Gcse physics and science and a-level physics demonstrations. The principles used show how transformers are used in domestic electrical appliances and in the national Grid for power transmission. The core is made up of highly permeable u-shaped metal sheeting, which can be closed via two clamps with tightening screws.	
100	Demonstration Motor AC/DC	The demonstration Motor produces AC/DC current simultaneously when the hand wheel is turned. The generation of AC/DC Voltage is represented by LED diodes.	
101	Demonstration Dynamo Mode	This model uses the same basic assembly as the demonstration electric motor except it is mounted on a base plate (230 x 90mm) which also carries a hand-drive pulley of 120mm diameter. It is coupled to the smaller dynamo pulley by a rubber belt to give a step-up ratio. Electrical output is via a pair of 4mm sockets and a lamp is provided as a simple output indicator. The model may also be used as a motor on 6-8V DC supply	
102	Wimshurst Machine	The ideal equipment for simple demonstration of electrostatics. No electrical power is required. The unit will quickly generate a charge with regular discharge. Under correct conditions the spark will travel 50mm in air between electrodes. Two plates are supported in two rigid uprights and driven by a belt in the opposite direction	






103	Demonstration Electric Motor	Simple form of DC electric motor having 2-pole armature wound with enamelled copper wire and a permanent magnetic field provided by a removable bar magnet. A disc-type commutator is incorporated and external connection to the phosphor-bronze brushes is by means of a pair of 4mm sockets. The motor operates on 6-8V DC	
103	Dynamo, Bicycle	For demonstrating the use of a dynamo in lighting a lamp. This apparatus has a cycle dynamo mounted on a base connected with an MES lamp holder and 2.5V bulb. 220 x 115 x 105mm (H).	
104	Hero Engine	This is a model of a steam engine invented by Hero of Alexandria in about 60 AD. It represents an early example of a machine that will transform thermal energy into kinetic energy. Hero's engine illustrates transformations of energy and aspects of Newton's laws of motion.	
106	Cylinders, Metal. Set of 6	Precision cylinders for experiments on density. Set of 6 10mm dia. Cylinders: Brass, lead, iron, copper, aluminium and Zinc. Supplied in wooden block.	
107	Cubes For Density	Hardwood, softwood, Brass, tin, Zinc, copper, aluminium, iron, marble, Granite, lead, Perspex.	
108	Materials Kit	A selection of materials in the form of rectangular blocks intended to familiarise the student with appearance, feel, texture, hardness and density of a range of common substances.	







110	Metal Cubes	Brass, Lead, Zinc, Copper, Aluminium & Iron	
112	Heat Sensitive Paper	A novel way to investigate temperature, insulation, and body temperature. Heat sensitive thermochromic paper changes colour as the temperature rises, even from the heat of your hand. The paper is supplied in four colours - blue/white, purple/pink, pink/white and green/yellow. pack of 40 a4 sheets.	
113	Bar & Gauge Apparatus	For illustrating expansion by heating and contraction by cooling. Comprising a bar of iron mounted on a support rod with wooden handle, and a brass gauge with a cut-out which barely admits the bar lengthways while cold, and a hole which passes the bar endways only while cold. Heating the bar and then comparing it to the gauge provides an excellent visual demonstration of thermal expansion	
114	Ball & Ring Apparatus (2 Piece Set)	Two piece apparatus for demonstrating thermal expansion.	
115	Conductivity Of Metal Apparatus (Thermal)	Strips of copper, brass, steel and aluminium mounted on a wooden ring and meeting in the centre. Gentle heating at the centre melts wax placed in the hollows at the end of each strip. Rates of conductivity in the different metals can be compared by the difference in time taken for each cup of wax to melt.	





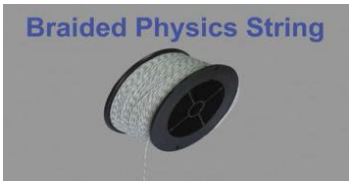
117	Conductivity Apparatus (Ingen Haussz)	Five rods, one each of Aluminium, Brass, Copper, Zinc and Iron, embedded along one side of a metal tank, size 150 x 90 x 100mm. Rates of melting compared by placing wax on the ends of the different rods thus demonstrates rates of conductivity in the different metals	
118	Bimetallic Strip	For demonstrating the differential expansion of two metals by the curvature produced when the strip is heated in a flame. Comprises a 200 x 15mm strip of brass and steel rivetted	
119	Rods For Thermal Conductivity	Rods are 300mm long x 3mm diameter. Used for thermal conductivity experiments. Set of 6 contains: 1 each of Brass, Copper, Iron, Lead, Zinc and Aluminium	
121	Wood & Metal Cylinder	Comprising a cylindrical rod composed of two halves, one end of which is metal, the other wood. If paper is wrapped tightly round the cylinder and the rod is briefly held above a Bunsen flame, the portion in contact with the wood will be quickly scorched while the portion in contact with the metal will remain uncharred. 200 x 30mm (dia.)	
122	Conduct Meter	To demonstrate relative thermal conductivity of brass, copper, nickel, aluminium and iron. A rod of each metal is radially spaced equally on a brass hub. Each of the rods has a cavity at the outer end for holding paraffin wax. Using the wooden handle, hold the brass hub over a flame and see the wax melt at different rates.	
123	Linear Expansion Apparatus (With Scale Reading)	Two black metal pillars on a grey metal base, both drilled to hold metal specimens in the form of thin rods. Three rods of different metals are provided with thinner versions of two of these	

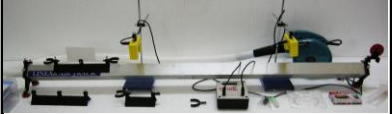



124	Bursting Bottle	Designed to demonstrate the expansion of water on freezing. Comprises cast-iron bottle, 90 x 20mm, tapped to take threaded, squareshanked iron stopper.	
125	Thermopile	Four 130mm long copper and iron wires twisted together to form seven junctions, four on one side and three on the other. Fitted with brass connectors.	
126	Convection In Air Apparatus	Designed to demonstrate the expansion of water on freezing. Comprises cast-iron bottle, 90 x 20mm, tapped to take threaded, squareshanked iron stopper	
127	Crookes Radiometer	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 physical effects.	



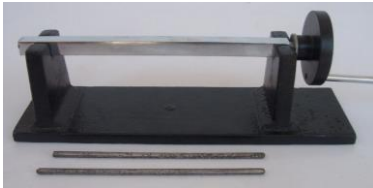
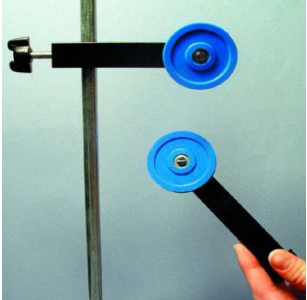

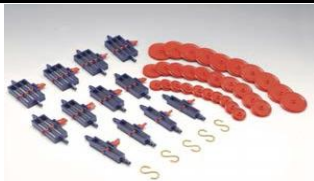
128	Hope's Apparatus	<p>Designed to show that water has a maximum density at 4°C. In winter, ponds and lakes are cooled from above. Convection then occurs throughout until a dense layer of water at 4°C forms on the bottom. The water above continues to cool until it freezes, then the ice provides an insulating layer that keeps the denser water beneath from cooling as quickly. The comparatively warm layer on the bottom enables aquatic life to survive. Were water not to have its maximum density at a temperature above its freezing point, then ponds and lakes would freeze throughout and, because heat conduction between air and ice is such a slow process, possibly fail to thaw even during the summer months.</p>	
129	Convection In Water 200x150mm	<p>Comprising rectangle of 20mm borosilicate glass tubing fitted with a filling funnel to show convection in liquid. Supplied as tube only without clamps.</p>	
130	Boyles Law With Gauge	<p>Apparatus for the recording of pressure versus volumes and for investigating Boyle's law. The vertical tube is part-filled with the coloured liquid and sealed. The trapped air is then compressed progressively, with pressure (p) and volume (v) readings taken at each stage. Before each pair of readings is taken, the liquid should be allowed to settle so that the heat caused by the compression is dissipated. Pump and oil included.</p>	
131	Boyles Law - Simple Type	<p>This apparatus is great for demonstrating Boyle's law (Elasticity of gases). Polished wooden stand with graduated scale 0-100 cms, with mms in centre and figured every cm on either side.</p>	


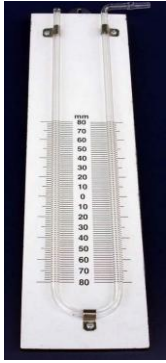



132	Boyles Law Apparatus	This apparatus provides an excellent method of demonstrating Boyles law. The unit is mounted on a sturdy Perspex board. The gauge and syringe are connected by a high pressure hose.	
133	Bourdon Gauge	This product is for both general and laboratory use. The gauge of rugged design is mounted on a heavy metal base giving great stability. The read-out is by a substantial black needle on a 100mm diameter white face. The back of the gauge is enclosed by clear Perspex, allowing the mechanism to be viewed. The input metal tube is rifled and designed to fit rubber tubing of 8mm internal diameter. Calibration: scales are given on the white face in both kg/cm ² (black) and psi (red).	
134	Steam Generator 1.5 litres with Handle	Steam generator constructed from copper. 280 x 115mm, capacity 1.5l. Neck is 23mm in diameter. With side tube and water gauge.	
135	Heater Block, Calorimeter	For the experimental determination of the specific heat capacity of different metals. Cylindrical metal blocks, mass 1kg adjusted to an accuracy of • 2%. Each block is drilled with two holes, a large central hole 12.5mm diameter for a special immersion heater and a smaller hole of 7.5mm diameter for a thermometer or temperature sensor. Copper, 102 x 40mm.	
136	Jolly Bulb with Gauge	Comprising a thin-walled spherical bulb connected to a mechanical pressure gauge. The gauge gives instant pressure readings and reduces the inconvenience when using a manometer. Clamp not included.	

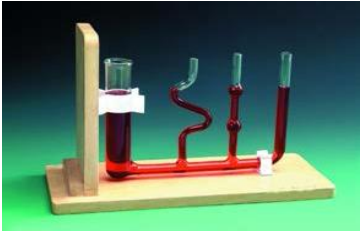
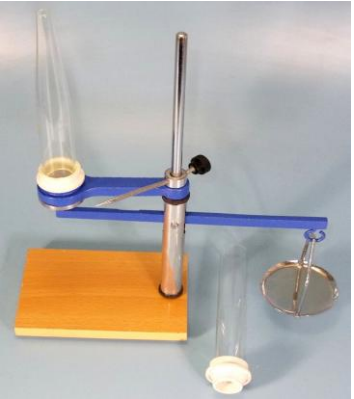


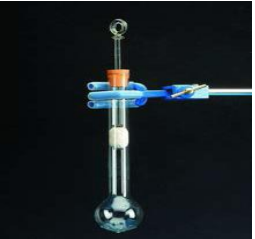
137	Calorimeter Set	Resting on a felt pad inside an outer vessel 100 x 75mm (diameter). The outer vessel is fitted with a detachable clip-type thermometer support. Complete with stirrer	
138	Calorimeter	With parallel sides and rolled rim, without stirrer. 75 x 50mm dia.	
139	Calorimeter Set - Aluminium	Outer Vessel 125 x 145mm. Inner Vessel 100 x 125mm. Fibre Insulator. Stirrer. Rubber Stopper. Transparent cover. Thermometer. Capacity: 1 litre. Weight: 700g	
140	Calorimeter, Joules	For the determination of the specific heat capacity of a liquid by the electrical method. The unit is avnickel-plated copper calorimeter 75 x 50mmv(diameter), lagged and enclosed within an outer vessel 100 x 75mm (diameter).	
143	Magdeburg Hemisphere	To demonstrate the existence of atmospheric pressure. Made of brass and fitted with stopcock and handle. Diameter: 75mm.	
144	Kinetic Theory Model	Large demonstration model. Polystyrene balls included. 6V DC.	





145	Smoke Cell	For the observation of 'Brownian motion' in smoke particles. Consisting of a box with plastic lid as well as flanges that allow easy attachment to standard microscopes. The box contains a smoke cell, cylindrical condensing lens and a 12V, 3W festoon bulb.	
146	Gyroscope	Simple but accurate gyroscope that will run for more than five minutes once set in motion.	
147	Force Board	For demonstrating the principles of the parallelogram and polygon of forces. Fitted with metal brackets for fixing to a wall. Designed so a clear space is left all round the edge of the board for the attachment of pulleys etc. The board is supplied complete with mounting brackets, cords, pulleys and masses.	
148	Force Table	40cm diameter table top, 3 cm thick support column and heavy cast base. The durable polymer table top carries an angle scale with 0.5° divisions, marked every 10° in both rotation directions. Four table clamp pulleys are included, each has a circular cut-out with a fiducial mark for accurate angle measurements.	
149	Braided String, Physics (roll of 320m)	Ideal for use with pulleys. Stretch resistant. Will hold weight up to 13kg. 320m roll.	


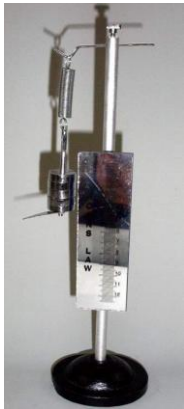

150	Linear Air Track 1.2M	<p>A cost-effective way of studying all aspects of dynamics in a virtually friction-free environment. The linear air track is particularly effective in the observing and measuring of collisions where conservation of momentum is dramatically demonstrated. Kit contains everything required for an array of experiments covering: velocity; force and acceleration; potential energy; kinetic energy; conservation of energy; SHM; motion on level and inclined planes and more. The air track track itself measures 1.2 metres overall and is made from high strength 56 x 56 mm extruded aluminium</p>	
151	Linear Air Track Blower	<p>This electronically controlled unit is specifically designed for laboratory use and is recommended for use with our linear air track. It has a flexible hose for connection to the linear air track Motor: 220-240V 50Hz, 700W. Internal diameter of hoze: 30mm</p>	
153	Dynamic Trolley, Wooden (Pair)	<p>A pair of 300mm long wooden trolleys, mounted on three wheels. A spring loaded rod is fitted to give impulse when released. It has a provision for stacking the trolleys on top of each other and fixing with removable pins</p>	
154	Dynamics System (1.5m track + 2 Wooden Trolleys)	<p>Consisting of one pair of wooden trolleys. A 1500mm x 300mm wooden track with side rails is included. Plastic feet are mounted on the track to provide an easily inclinable surface for dynamics experiments</p>	



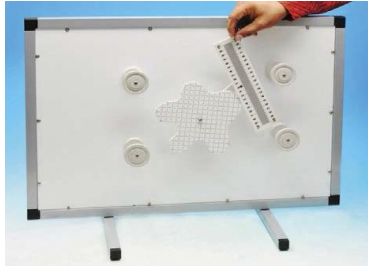


155	Resistance Substitution Box	<p>This switched compact unit contains 12 resistors, with preferred values in the range 100 to 470 Mounted on a printed circuit in a robust black plastic box. Selection is via a rotary switch.</p> <p>External connections are by means of two 4mm yellow terminals, the colour indicating nonpolarity. The tolerance of the resistance values is 5%. However, as is quite common, resistances can be closer to their nominal values. All the resistors have a maximum power rating of 1W.</p>	
157	Pulley Plastic, Hook (Parallel)	<p>50mm diameter plastic pulleys with two hooks mounted in metal frame. Single</p>	
160	Bar Breaking Apparatus (INC10)	<p>To show the forces which can be exerted during thermal expansion or contraction. Comprising a heavy cast iron frame 340 x 120 x 100mm with slotted end pillars to carry a stout iron bar. The bar is threaded at one end for a large tensioning nut and has holes at the other end to accommodate the cast iron breaking bars. The apparatus is supplied with a pack of ten breaking bars</p>	
162	Pulley, Rod Mounting, Ball Bearing	<p>50mm diameter plastic pulley with ball bearing mounted on a 150 x 15mm diameter bar. Tapped holes are provided so that the nylon pulley (with ball bearing) may be fitted onto the boss with its axis of rotation in any one of the three planes</p>	
166	Pulley, Metal (In Line, Tandem)	<p>Open sided frame with hooks at each end carrying pulleys with ball bearings. The open side frame allows for quick and easy stringing up as no threading is involved. Double, 50 & 38mm</p>	
167	Pulley Block Assembly Set	<p>A set of components from which pulley blocks of many different configurations may be made. This versatile set is an economical alternative to using separate pulleys.</p>	

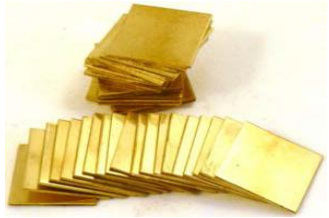

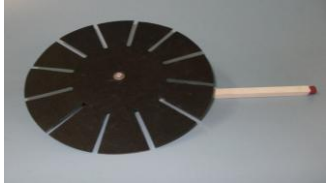


169	Pulley, Bench Mounting, Ball Bearing, Nylon	50mm Diameter pulley carried on an aluminium boss 20 x 20 x 110mm, with a hole and clamping screw to accommodate rods up to 13mm diameter. Tapped holes are provided so that the nylon pulley (with ball bearing) may be fitted onto the boss with its axis of rotation in any one of the three planes.	
170	Manometer, Glass, Mounted. Scale 80-0-80	Glass manometer with built-in stopcock mounted on backing plate. Scale 80-0-80 with 2mm subdivisions. Backplate dimensions: 400 x 80mm.	
171	Force Pump, Mounted On Stand	Glass manometer with built-in stopcock mounted on backing plate. Scale 80-0-80 with 2mm subdivisions. Backplate dimensions: 400 x 80mm	
172	Displacement Vessels	Displacement Vessels 100 x 50mm	
173	Bucket & Cylinder	For demonstrating Archimedes' principle. This is a simple brass unit, suitable for class demonstration or individual use. The bucket has a suspension loop at the top and a hook at the bottom. The cylinder has a suspension hook at one end. 60mm, overall 160mm.	






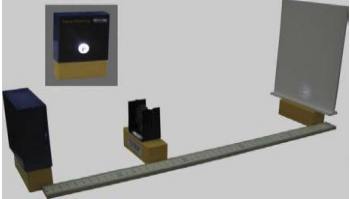
174	Liquid Level Apparatus	<p>This apparatus can be used at an elementary level to demonstrate that several connected bodies of water will equalize at the same height due to the equal transmission of pressure through liquids, with gravity and air pressure, regardless of their shapes. More advanced variations on principles relating to pressure and liquids can also be explored.</p>	
175	Pascal's Law Apparatus	<p>Consists of a base into the top of which may be screwed one of a set of four vases of differing shape. An aperture in the bottom has a thin rubber diaphragm across it, bearing upon the short arm of a lever pointer. A movable index on the vertical rod enables the height of water in the vases to be set at the same level. The apparatus is mounted on a moulded plastic 25 x 17.5 cm base. The experiment is performed by screwing in each vase, in turn and filling with water to the same level. It will be seen that a given height of water will result in the same deflection of the pointer whatever shape the vase.</p>	
176	Bernoulli Tubes	<p>For demonstrating that when a fluid passes through a tube and reaches a constriction the fluid speed increases with a loss in pressure. Three side arms extend from the horizontal tube and allow the attachment of glass tubes to form simple manometers</p>	
177	Cylinder, Spouting	<p>For demonstrating that when a fluid passes through a tube and reaches a constriction the fluid speed increases with a loss in pressure. Three side arms extend from the horizontal tube and allow the attachment of glass tubes to form simple manometers</p>	
178	Equality Of Pressure In Liquid	<p>To demonstrate the equal transmission by liquids of pressure in all directions. Comprising glass flask with holes and glass piston</p>	







179	Falling Bodies Apparatus	I-section launcher with holes for locating two 19mm diameter steel balls which act as projectiles. The launcher is released by push button and projects one ball forward while allowing the other to fall freely. The launching mechanism is mounted on a wooden block (size: 180 x 60 x 30mm) which may be bench clamped and has a convenient storage pocket for the balls. Apparatus comes complete with two steel balls.	
180	Second Law Of Motion Apparatus	The unit is based on a substantial metal casting and the entire mechanism is visible. The spring gun offers two tensions. The 25 cm long unit has a 10 mm rod. It may be horizontally clamped to a support stand or table clamp. Complete with two steel balls.	
181	Capillary Tube Apparatus	For demonstrating the relationship between capillary pressure and the bore diameter of the capillary tube. The apparatus comprises a metal frame holding six capillary tubes of different bores vertically in a trough. The trough is filled with water and the difference in height of the resulting columns of water is immediately clear. overall height of frame: 90mm. Length of capillary tubes: 150mm	
182	Lever - Wooden	Fulcrum lever is graduated in centimetres and is balanced on the knife edge of the fulcrum by a transverse groove cut midway in the length of the lever. Supplied with 2 sets of 100g weights	






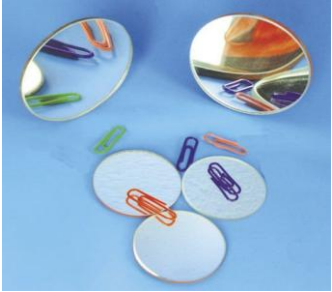
183	Guinea & Feather Apparatus	<p>Demonstrates that objects fall at the same speed, regardless of weight, in a vacuum. Consisting of a 16mm diameter glass tube 50cm long, fitted with two rubber bungs, and a 40cm length of tube for connection to a vacuum pump. Two objects with different weight and air resistance (e.g. a mass and a piece of paper or a feather) can be placed at the foot of the tube, and when inverted the objects will fall back to the bottom of the tube at the same rate - in a vacuum. Further studies of the effects of air resistance can be carried out, such as timing the fall of paper through variations of air pressure in the tube, to gauge the effects of air resistance on the acceleration of an object under gravity</p>	
184	Hookes Law Apparatus	<p>To demonstrate that the relationship between the extension on a spring is proportional to the load applied to it. This complete apparatus has a 150mm adjustable mirror scale to prevent parallax error and is marked in millimetres 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.</p>	
185	Youngs Modulus Apparatus	<p>Consists of a scale plate carrying a 0 to 30mm scale and a movable Vernier readable to 0.1mm precision. Both have bars with clamping screws for the wires and hooks for the tension weight and loading masses. A ceiling clamp is provided for the upper ends of the wires, together with a pair of large wood screws for attaching it to a convenient overhead beam, door frame etc. A tension weight, mass 1.3kg approx., for the comparison wire is also included. (No load masses or wires supplied).</p>	

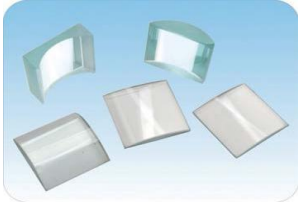

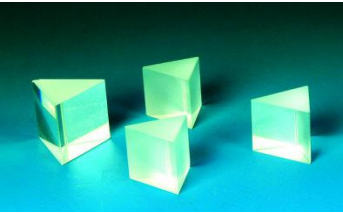
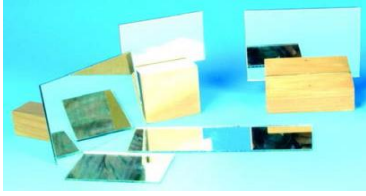
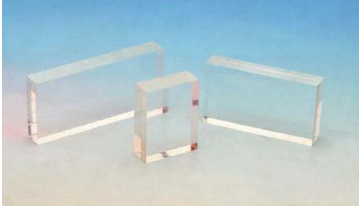
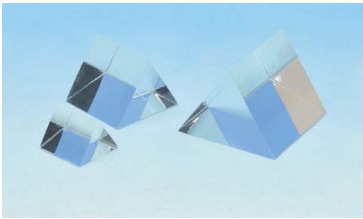
186	Spring, Extension Steel	Expandable steel springs for extension experiments. 15 mm dia, coiled length 20mm, overall length 55mm, wire diameter 0.7mm.	
187	Elastic Materials Kit	2 x 130x50x50mm latex foam blocks 4 x elastic cords with eyelets 4x soft rubber erasers, 1 x 900mm length of valve tubing 2 x 40g reel of bare copper wire 0.28mm & 0.45mm dia. 2x wide steel springs of 4.5 turns, 50mm diameter 25x expandable steel springs with ends bent to form hooks for testing beyond the elastic limit	
188	Moments Study Kit	The shaped body is designed to complete the course of statics and to allow practical measurements to be undertaken. It allows following experiments: Determination of centre of gravity of a solid, unstable equilibrium by reference to centre of gravity, moment of a force, theory of moments, study of couples, study of equilibrium of a solid under the action of several couples. The kit consists of irregular shaped body, a system for measurement of distances, 4 pulleys on magnet, one roll of thread and one magnet on hook.	
189	Pendulum Ball (Plumb Bob)	Comprising a solid sphere with a small hook for suspension.	
193	Spectrometer	The spectroscope - set 15 students will get to see and appreciate the prismatic qualities of sunlight by using this 1 diameter diffraction grating spectroscope.	







194	Brass Penny Weight	Each pennyweight is approx. 1.55g. useful for balance experiments, particularly when used in conjunction with lever kit PH0340.	
195	Hand Held UV Lamp	A battery operated ultra violet light source suitable for Forensic science investigations. takes 4 x aa cell (not supplied). Fitted with 150mm UV fluorescent tube.	
197	Stroboscope (Hand Held Model)	Hand held model. Ideal for use with ripple tank and other wave and motion studies	
198	Newton's Colour Disc, Hand Spin Model	Approx 200mm dia. Used to demonstrate how white light can be composed from a mix of primary colours	
200	Newton's Colour Disc	Well finished product used for demonstrating that white light may be composed from all the spectral colours by rotation of the multi coloured disc. Mounted on a metal stand the 180mm diameter disc s driven by a belt with the help of the hand driven wheel	




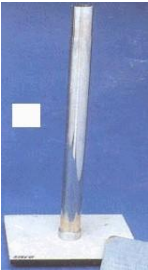


203	Raybox With Accessories	Comprises a ray box with an enclosure that houses electric bulb for use as a light-source in the experiments. Open front of the bulb enclosure with holes all around the bulb holder and extended side-fins on the outside of the enclosure assist in the heat dissipation of the 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.	
204	Raybox Bulb	Accessories for Raybox .	
205	Optical Bench Set	For use in a wide range of optics experiments including focal length of lenses, curvature or mirrors and lens combinations etc	
206	Raybox Mirrored	As supplied in the light & optics Kit but with no accessories included	
207	Raybox Colour Filters Plastic Mounted (set 7)	Accessories for Raybox (Code: EDU528).	
209	Simple Optical Bench	Comprises the following: opaque screen, lens holder with Biconvex lenses, one meter rule, lamp housing, complete with 2 AA Alkaline Batteries	









210	Optical Bench Kit 12V 24W	Wooden optical bench with accessories. 1.5 metres long with millimetre divisions. Mounted accessories: Lamp housing with white lamp; white metal object screen of 75mm diameter; lens holder for 38mm diameter lenses; object needle mounted on 6mm metal rod; plane mirror in metal frame, 100x75mm; white metal receiving screen with slot for squared paper	
211	Diffraction Grating	Overall size 50 x 50mm. Aperture size 36 x 24mm. Mounted between two glass protecting plates	
212	Polaroid Sheet	Polaroid sheet mounted in square plastic frame	
213	Colour Paddle	For simple experiments in subtractive colour mixing. 3 primary colours and 3 secondary colours. Filters riveted by plastic rivet. Dimension 50mm x 73mm approx. L x W.	
214	Wooden Lens Holder	A wooden holder to take lenses or mirrors up to 76mm diameter. 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	
215	Glass Lenses (Pk20)	High quality precision finished lenses for a variety of light and optics experiments	







216	Light Guide Demonstrator	An 'S' shaped acrylic bar 220 x 20 x 20mm which can be used with the raybox to demonstrate total internal reflection. It helps students to understand the principles of optical communications. The bottom of the bar is painted white to aid visibility.	
217	Lens Holder For 60mm dia. With Base (Pk 5)	Plastic lens holder suitable to house lenses up to 50mm. mounted on base. Used in conjunction with light & optics experiments. Simple locking ring holds lens firmly in position.	
218	Lens, 6 Asstd 50mm dia. In Wooden Box	A set of six 50mm diameter lenses with ground and polished faces and ground edges. One each of double convex, Plano-convex, converging concaveconvex, diverging concaveconvex, double concave and planoconcave. Supplied in wooden box.	
219	Lenses Biconcave/Convex 50mm x 100/150F (Pk 4)	Biconcave, 50mm. Focal length: 100mm. Biconcave, 50mm. Focal length: 150mm Biconvex, 50mm. Focal length: 100mm, Biconvex, 50mm. Focal length: 150mm	
220	Lenses Cylindrical	Single high quality precision finished lens for a variety of light and optics experiments. Individually pouched and supplied in a neat presentation case	
221	Concave & Convex Mirrors	Mirror, Concave 50mm dia 75F (Pk10) Mirror, Concave 50mm dia 100F (Pk10) Mirror, Concave 50mm dia 150F (Pk10) Mirror, Concave 50mm dia 200F (Pk10) Mirror, Concave 50mm dia 300F (Pk10) Mirror, Convex 50mm dia 75F (Pk10) Mirror, convex 50mm dia 100F (Pk10) Mirror, convex 50mm dia 150F (Pk10) Mirror, convex 50mm dia 200F (Pk10) Mirror, convex 50mm dia 300F (Pk10)	





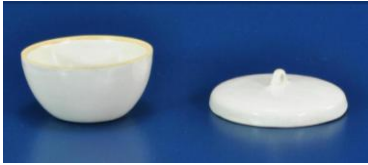

222	Lens Planoconcave 50 X 45 F 75mm		
223	Lens Meniscus	High quality precision finished lenses for a variety of light and optics experiments. Individually pouched and supplied in neat presentation cases	
224	Triangular Prisms	Optically worked prisms for use with spectrometer. Equilateral triangle, two faces polished. 32 x 32mm.	
225	Mirror, Plane Glass (Pk10)	Optically worked glass. Silver backed with protective coating. Unmounted	
226	Prisms - Acrylic	A clear polished acrylic prism for optics experiments.	
227	Prisms - Clear Glass	High quality glass with optically worked surfaces. All angles accurately worked. The edges are slightly bevelled and the glass completely bubblefree.	



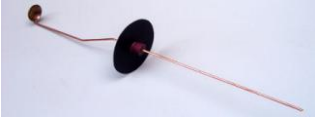


228	Spectrum Tube	It is recommended for use in conjunction with the spectrum tube holder with power supply (Code: PH1197A).	
229	Spectrum Tube Power Supply	Specially designed box holds the tube firmly and prevents the student from touching the electrodes. A black panel behind the tube eliminates distracting ambient light and protects the tube from breakage. Operates on 220V A/C at 50Hz and is suitable for 20/26 cm tubes	
230	Spectroscope, Direct Vision (In Wooden Box)	For the rapid examination of spectral composition of white light sources. This instrument gives a brilliant spectrum with a dispersion of approx. 11° .	
231	Spectrometer (Student)	An economically priced instrument which is capable of useful quantitative work. The main structural parts, including the collimator and telescope bodies are high quality castings. All metal parts are well coated with high quality finishes	
232	Newton's Ring Apparatus	Pair of 60mm diameter optically polished glass plates, one plane and the other Plano-convex, mounted together in a metal frame. The pressure between the plates is adjustable by three brass, nickel-plated screws.	
233	Spectrometer (Advanced)- Optimum Lense	This instrument is specifically designed for advanced work but is sufficiently robust for individual student use. It is capable of high performance. The main structure is of heavy cast metal with bright plated fittings. The instrument is mounted on a baseboard which fits into a polished hardwood case	


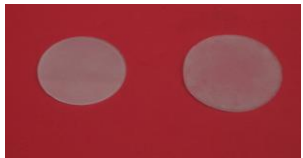

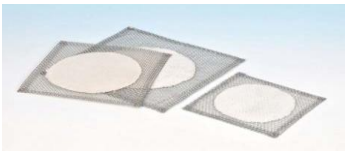
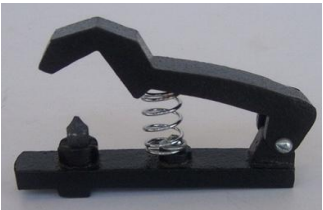
234	Pinhole Camera Kit	The kit consists of 8 cardboard boxes 150 x 100 x 100mm with hole, screen and lid; filament lamp; 50 sheets of black paper 200 x 250mm; one 60W lamp; one mounted lamp holder with flex; one packet of pins. Uses a basic pinhole camera to show the principles of image formation.	
235	Electric Cell 75mm Dia 3-4.5 Volts	Simple dome, double-gong bell with detachable cover. Threaded metal terminals are provided for easy connection. Diameter approximately 75mm	
236	Bell In Acrylic Jar	To demonstrate part of the nature of sound waves by showing that sound does not exist in a vacuum. Bell housed in acrylic jar for safety. Dimensions: 250 x 140mm	
237	Resonance Apparatus With Brass Tube	This apparatus is used for resonance investigations in air columns and consists of two metal tubes telescoping into each other. The column of air within the tubes may be altered in length from 300mm up to 530mm by moving the outer tube. Fitted on a removable wooden base.	
238	Sonometer, Simple Pattern	A wooden resonance box 1140mm long, 125mm wide and 100mm high. At one end of the base are two 50N spring balances with hooks and at the other end are two corresponding wrest pins. Also included are three bridges; one large (to span wires) and two small (for the individual wires). supplied with two steel wires, 30 swg, 1 metre long.	
239	Wave Motion Apparatus	For demonstrating the movement of progressive transverse waves	







240	Lever Arm Balance, Dual range	A direct reading, single pan balance with its scale in the form of a quadrant. The arc scale is graduated in dual ranges of 0-250 x 1g and 0-1000 x 5g which can be set using the weight arm provided. Cast aluminium frame with all steel parts chrome plated. Levelling screw for zero adjustment.	
241	Evaporating Basing	Porcelain evaporating basin with spout, round bottom, glazed inside and outside except underside of base.	
		Evaporating Basin 80ml No Lid	
		Evaporating Basin 100ml Round Bottom	
		EDU503 Evaporating Basin 100ml	
		Evaporating Basin o.d 60mm Capacity 40ml	
242	Brush, Beaker	Bristles on 40cm long wooden handle. Head Size: 65 x 45 x 150mm.	
243	Brush, Cylinder, Bristle	Brush head widens towards the end, with a slightly fanned tip. On galvanised wire handle. Diameter 50-100mm. Suitable for Erlenmeyer flasks, cylinders and beakers.	
244	Brush, pipette Bristle	Pipette brush. head size 125 x 10mm. Overall length 700mm. For pipettes and tubes from 8-12 mm diameter.	
245	Brushes Burette Bristle For Burette	Burette brush on galvanised steel wire handle. High quality materials used for durability.	
246	Brush, Bristle Test Tube	Test tube brush, head size 50 x 19mm (L x D), on galvanised wire, overall length 230mm.	
247	Brush, Nylon Test Tube		



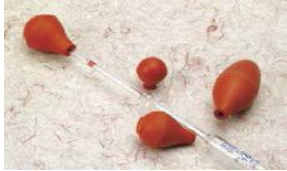




248	Brush, Test Tube Bristle Cotton Tip	Test tube brush with fluffed cotton yarn tip on galvanised steel wire handle.	
		Brushes Rest Tube Bristle Cotton Tip Tapered 24-13mm	
		Brushes Rest Tube Bristle Cotton Tip Tapered 35-25mm	
		Brushes Rest Tube Nylon Cotton Tip Tapered 24-13mm	
		Brushes Rest Tube Nylon Cotton Tip Tapered 35-25mm	
249	Die Cast, Burette Clamp	Die-cast retort clamp with built-in boss head. Spring loaded jaws furnished with rubber grips for quick and stable clamping. High quality finish to metal surfaces.	
250	Burette Stand H/Wood	Seasoned hardwood, polished stand with clamp. Rods are approx. 460 x 16mm. 200 x 100mm Base	
251	Burner, Spirit Lamp, Stainless Steel	Stainless steel spirit lamp with woven wick in holder and screw-on cap.	
252	Spirit Burner, With Wick	Glass spirit lamp with metal wick holder and spare wick. Complete capacity. Wicks that can be used with the methylated spirit Burner,	
253	Burner, Bunsen Natural Gas	The Nickel-Plated Bunsen burner with rotatable air regulator. The burner is mounted on an enamelled pressed-steel base with a cylindrical riffled connector.	








254	Burner, Semi Micro Nat Gas.	Suitable for natural gas with air regulator. Burner tube height x diameter (100 x 5.5 mm). Connector diameter 9mm (OD).	
255	Burner, Teclu, 125 x 13mm HxD	Natural gas burner with conical mixing section, screwed air regulator and gas control needle. It gives a very hot flame suitable for glasswork and soldering. Burner tube height x diameter (125 x 13mm). Connector diameter 9mm. Base diameter 80mm.	
256	Burner, Bunsen LPG	Nickel-Plated burner tube with rotatable air regulator, mounted on an enamelled pressed-steel base with a cylindrical riffled connector. Height 125mm, base diameter 80mm, 8mm inlet. Packed in a sturdy presentation case for storage and shipping. Metal surfaces well finished.	
257	Heater Immersion 12V 50W	A sheathed miniature heater specially designed for use with metal block calorimeters. Electrical connection is via 300mm leads with heat resisting insulation and 4mm terminals. 12V, 50W.	
258	Crucible With Lid	Porcelain crucibles with lid, glazed inside and outside except base.	
		Crucible with Lid - 15ml/40mm	
		Crucible with Lid - 25ml/46mm	
259	Combustion Boat 85x10x10mm	Combustion Boat Porcelain, with handle. 85 x 10 x 10 mm (L x W x H)	







260	Crucibles & Lids S/S	<p>Stainless steel crucible lids stainless steel lid for crucible, 0.2mm thick. Stainless steel crucibles can be re-used, unlike procelain which are single use.</p> <p>Material can be recycled. Can be dropped with no risk of fracturing or breaking. 0.7mm thick.</p>	
		Crucible Lids S/S - to Fit Dia 40mm	
		Crucible Lids S/S - to Fit Dia 50mm	
		Crucible S/S Capacity 30ml, dia 40mm	
		Crucible S/S Capacity 70ml, dia 50mm	
261	Clamp G	<p>Drop-forged clamp finished with resistant coating.</p>	
		Clamp G" 75mm"	
		Clamp G" 100mm"	
262	Deflagrating Spoon	<p>Deflagrating spoon & cap steel cup and rod held in a dished aluminium cap. Length: 350mm; cap: 90mm; cup: 18mm.</p>	
263	Filter Paper	<p>A good quality paper for general purpose use with medium retention and flowrate. 100 circles/pack.</p>	
		Filter Paper 100 Circles/Pack 110mm dia	
		Filter Paper 100 Circles/Pack 125mm dia	
		Filter Paper 100 Circles/Pack 150mm dia	
		Filter Paper 100 Circles/Pack 90mm dia	
264	Funnel Stand	<p>Polished wood base with clamping screws. Rods are approx. 460mm x 16mm dia.</p>	




265	Cylindrical, clear glass, ground flange and heavy foot. Supplied without covers.	Cylindrical, clear glass, ground flange and heavy foot. Supplied without covers.	
		Gas Jar, Glass 150 x 50mm dia Gas Jar, Glass 200 x 50mm dia Gas Jar, Glass 250 x 50mm dia Gas Jar, Glass 300 x 50mm dia	
266	Gas Jar Cover	Circular sheet glass, ground one side.	
		Gas Jar Cover 90mm	
		Gas Jar Cover 50mm	
		Gas Jar Cover 65mm	
		Gas Jar Cover 75mm	
		Gas Jar Cover 100mm	
267	Funnel, Buchner	Porcelain with straight sides above the perforated plate.	
		Funnel, Buchner 35mm (Single)	
		Funnel, Buchner 50mm (Single)	
		Funnel, Buchner 60mm (Single)	
		Funnel, Buchner 75mm (Single)	
		Funnel, Buchner 100mm (Single)	
		Funnel, Buchner 125mm (Single)	
		Funnel, Buchner 150mm (Single)	
		Funnel, Buchner 200mm (Single)	
268	Gauze Wire	Square, with flat circular ceramic centre. Extra quality, well finished edges for safety. Packed in neat shelf cartons with inner protection and drying agent.	
		Gauze Wire, 125x125 Ceramic Centre	
		Gauze Wire, 125x125 Plain	
		Gauze Wire, 150x150 Ceramic Centre	
		Gauze Wire, 150x150 Plain	
269	Glass Tubing Cutter	Diamond Glass Cutter for cutting of sheets of glass up to 3 mm thick. Mounted in brass with wooden handle. Overall length 17.5 cm	


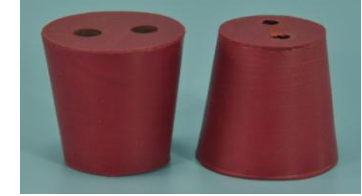
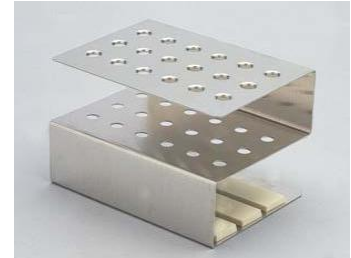
270	Glass Cutting Diamond	Glass tubing cutter with diamond scribing point on spring arm and aluminium alloy body with 'V' groove. Suitable for use with soda and borosilicate glass tubing.	
271	Glass Tubing Borosilicate 6mm Bore	Borosilicate Glass tubing 0.5m lengths	
272	Paper Litmus/Cobalt Chloride Paper	Plastic Case of 10 books each with 20 leaves.	
		Paper, Universal, PH1-14 (Plastic Container 10 books)	
		Paper, Cobalt Chloride (Container 10 books)	
		Paper, Litmus Blue (Plastic Container: 10books)	
		Paper, Litmus Red (Plastic Container: 10books)	
273	pH Indicator Dispenser	Indicator paper supplied in plastic dispenser containing 5 metres of 8mm wide test strip. A colour chart is provided on the side of the dispenser.	
		pH Indicator Dispenser pH 1 -14	
		pH Indicator Dispenser pH 1 -11	
274	pH Tester - Pocket	A lightweight, splash proof, pocket size tester. Ideal for ph spot reading precise to 0.1 pH with large easy to read LCD display.	
275	Pestle & Motar	Porcelain with unglazed grinding surface.	








276	Pipette, Dropping Glass	125mm glass body pipette with rubber teat. Useful for dispensing liquid from test tubes.	
277	Pipette Filler Bulb Type	Bulb-type rubber pipette filler for pipetting noxious solutions, microbial suspensions and other harmful and unpleasant solutions. consists of a bulb and three pinch valves controlling influx and efflux of the pipette contents. Bulb diameter: 54mm.	
278	Teat, Rubber, Pear Shaped	Rubber bulb teats for use with dropper pipette	
		Teat, rubber, pear shaped 5ml	
		Teat, rubber, pear shaped 10ml	
		Teat, rubber, pear shaped 15ml	
		Teat, rubber, pear shaped 50ml	
279	Pipette Stand, 12 Horizontal	Polished wooden stand, two sided. Height: 230mm Width: 260mm Depth: 120mm	
280	Nuffield Pattern Spatula.	spatula , Satinless steel 150mm	
281	Spatula Palette Knife	Flexible blade & parallel sides set in wooden handle.	
282	Spatula Chattaway	Chattaway type; one end flat and the other end canted up. Polished finish.	
		Spatula (s/steel) Chattaway 150mm	
		Spatula (s/steel) Chattaway 200mm	




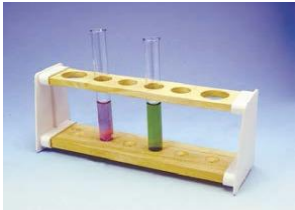



283	Spatula Spoon End	Well finished and polished stainless steel spatula, with one end flat and the other end spoon form.	
		Spatula (S/Steel) Spoon End 150mm	
		Spatula (S/Steel) Spoon End 200mm	
284	Retort Stand Base A Cast Iron	Cast-iron, finished in blue coating with tapped hole 10 x 1.5mm metric thread. Length of side 200mm.	
285	Boshead, Metal	For use with retort stand rods. die-cast alloy accepts rods up to 16.5mm diameter at right angles to each other.	
286	Retort Stand Base	A sturdy cast-iron base, finished in blue/black, with a tapped hole to accept a rod with 10 x 1.5mm metric thread.	
		Retort Stand Base - 160x100mm	
		Retort Stand Base - 200x125mm	
		Retort Stand Base - 250x160mm	
287	Retort Rod, Mild Steel	With 10 x 1.5mm metric thread.	
		Retort Rod Mild Steel 10x1.5mm - 500mm	
		Retort Rod Mild Steel 10x1.5mm - 600mm	
		Retort Rod Mild Steel 10x1.5mm - 750mm	
288	Retort Clamp With Bosshead	Diecast alloy clamp retort with cork-lined jaws and bosshead which accommodates rods up to 15mm dia.	
289	Retort Clamp, Alum Rod. CORK Jaws	Four prong, cork jaw clamp finished in high quality blue coating. The clamp accepts articles from 2 - 90mm diameter. Rod length 145mm.	

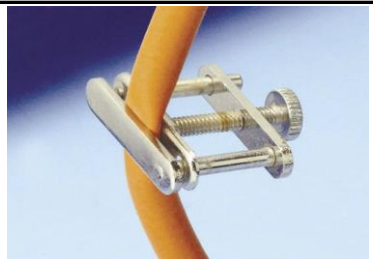



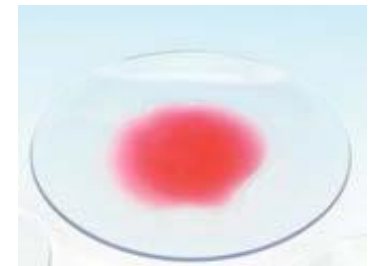

290	Retort Clamp, 3 Prong, Alloy, RUBBER Jaws	Made with rubber lined, diecast jaws. Clamping rod operates through swivels mounted neatly in the jaws. Mounted on a 135mm rod of 8mm diameter. Jaw capacity 90mm and overall length 250mm.	
291	Retort Ring	Mild steel, plated retort ring with 8mm dia. stem. Stem length: 140mm.	
		Retort Ring 50mm dia	
		Retort Ring 70mm dia	
		Retort Ring 100mm dia	
		Retort Ring 150mm dia	
292	Retort Ring, Closed With Bosshead	Strong circular mild steel ring with 8mm diameter stem. Open boss fitted with thumb screw to accept rods from 8mm to 12.5mm diameter.	
		Retort Ring, Closed with Bosshead 50mm int.dia	
		Retort Ring, Closed with Bosshead 75mm int.dia	
293	Clay Pipe Triangle	Clay pipe tubes on thick iron wire	
		C530B Clay Pipe Triangle - 50mm (PK10)	
		C530C Clay Pipe Triangle - 60mm (PK10)	
		C530D Clay Pipe Triangle - 75mm (PK10)	
294	Tripod, Circular, 95mm dia 70mm High	Black circular tripod stand with 95mm diameter and height 70mm. Used with spirit lamps. Supplied without lamp.	
295	Tripod Cast Iron	200mm tall with cast-iron triangular top, splayed steel legs and rubber feet.	
		C645A Tripod Cast Iron 200mm x125	
		C645B Tripod Cast Iron 200mm x150	





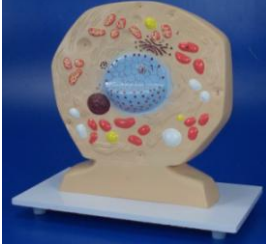

296	Tripod S/Steel 200mm x 125	200mm tall with cast-iron triangular top, splayed steel legs and rubber feet. 125mm side-length	
297	Rubber Stopper Solid (No Hole)	Constructed from high-quality, chemical resistant rubber. Stated dimensions are dia.1 x dia. 2 x L, respectively.	
	Rubber Stopper Solid (Mixed Bag 50)		
	Rubber Stopper Solid 11x14x24 (PK10)		
	Rubber Stopper Solid 13x16x14 (PK10)		
	Rubber Stopper Solid 15x18x24 (PK10)		
	Rubber Stopper Solid 17x20x26 (PK10)		
	Rubber Stopper Solid 18x21x26 (PK10)		
	Rubber Stopper Solid 19x22.5x28 (PK10)		
	Rubber Stopper Solid 21x24.5x28 (PK10)		
	Rubber Stopper Solid 23x25.5x28 (PK10)		
	Rubber Stopper Solid 25x28.5x28 (PK10)		
	Rubber Stopper Solid 27x31x32 (PK10)		
	Rubber Stopper Solid 29x33x32 (PK10)		
	Rubber Stopper Solid 31x36x35 (PK10)		
	Rubber Stopper Solid 33x38.5x38.5 (PK10)		
	Rubber Stopper Solid 9x11.5x20 (PK10)		
298	Rubber Stopper One Hole	Four prong, cork jaw clamp finished in high quality blue coating. The clamp accepts articles from 2 -90mm diameter. Rod length 145mm	
	Rubber Stopper 1 Hole (Mixed Bag 50)		
	Rubber Stopper 1 Hole 11x14x24 (PK10)		
	Rubber Stopper 1 Hole 13x16x24 (PK10)		
	Rubber Stopper 1 Hole 15x18x24 (PK10)		
	Rubber Stopper 1 Hole 17x20x26 (PK10)		
	Rubber Stopper 1 Hole 18x21x26 (PK10)		
	Rubber Stopper 1 Hole 19x22.5x28 (PK10)		
	Rubber Stopper 1 Hole 21x24.5x28 (PK10)		
	Rubber Stopper 1 Hole 23x25.5x28 (PK10)		
	Rubber Stopper 1 Hole 25x28.5x28 (PK10)		
	Rubber Stopper 1 Hole 27x31x32 (PK10)		
	Rubber Stopper 1 Hole 28x33x32 (PK10)		
	Rubber Stopper 1 Hole 29x33x32 (PK10)		
	Rubber Stopper 1 Hole 31x36x35 (PK10)		
	Rubber Stopper 1 Hole 33x38.5x38.5 (PK10)		
	Rubber Stopper 1 Hole 9x11.5x20 (PK10)		

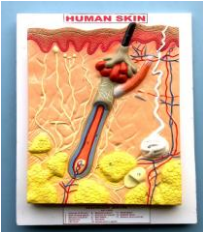



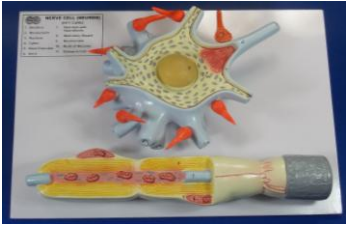
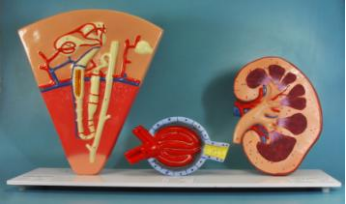
299	Cork Borer Set	Nickel plated brass. Variety of sizes, each with a cutting edge at bottom and handle at top. Complete with cleaning rod. Grip is good for easy use. Pipes are of a thick gauge material.	
300	Cork Borer Sharpener	Metal cone with polished wooden handle. Hinged cutter blade slotted to accept cutting blades. The edge is cut to the correct angle by depressing blade using thumb pressure. Borer diameter range: 4-27mm.	
301	Rubber Stopper Two Hole	Constructed from high-quality, chemical resistant rubber. Stated dimensions are dia.1 x dia. 2 x l, respectively.	
		Rubber Stopper 2 Hole (Mixed Bag 50)	
		Rubber Stopper 2 Hole 18x21x26 (PK10)	
		Rubber Stopper 2 Hole 21x24.5x28 (PK10)	
		Rubber Stopper 2 Hole 23x25.5x28 (PK10)	
		Rubber Stopper 2 Hole 25x28.5x28 (PK10)	
		Rubber Stopper 2 Hole 27x31x32 (PK10)	
		Rubber Stopper 2 Hole 29x33x32 (PK10)	
		Rubber Stopper 2 Hole 31x36x35 (PK10)	
		Rubber Stopper 2 Hole 33x38.5x38.5(PK10)	
		Rubber Stopper 2 Hole Size 13 (PK10)	
302	Thermometer Stand	Aluminium stand, holds 18 thermometers.	






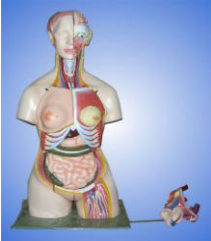
303	Thermometer Laboratory	<p>Glass capillary with bulb type, white/Yellow back. Length 300mm</p> <ul style="list-style-type: none"> • Thermometer, Laboratory, Alcohol (Min. Range: -10°C-110°C & Max. Range: -10°C to 150°C) • Thermometer, Laboratory, Mercury (Min. Range: -10°C-50°C & Max. Range: -10°C to 300°C) 	
304	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	
305	Tongs, Crucible	General purpose tongs with corrugated jaws, used for the handling of hot apparatus.	
		Tongs, Crucible m/s Straight 200mm	
		Tongs, Crucible S/S Bowed 150mm	
		Tongs, Crucible S/S Bowed 200mm	
		Tongs, Crucible S/S Straight 150mm	
		Tongs, Crucible S/S Straight 200mm	
306	Tongs, Flask, Safety	Stainless steel, with cork lined rectangular jaws giving an extremely firm grip on flasks of any size from 100 to 2000ml.	
307	Tongs, Beaker	Stainless steel, silicone-covered jaws can hold any beaker from 250ml to 1500ml. 360mm in length with a jaw width of 70mm.	
308	Tally Counter	Hand operated, counts up to to 9999, with reset button.	



309	Test Tube Holder (Peg Type)	This rack is made from polypropylene which is autoclavable. The rack is non corrosive and makes for easy handling and storage.	
310	Test Tube Holders	Aluminium test tube holder with sliding collar and wooden handle. accepts tubes 15-25mm diameter	
		Test Tube Holder, Wire 30mm dia.	
		Test Tube Holders, wooden handle	
311	Test Tube Rack 12H 20mm	Polished wood stand with drilled holes of 20mm diameter each and clip-on polypropylene ends. Length: 400mm	
312	Test Tube Rack 6H (2x30. 4x20) Polyprop End	Constructed from wooden shelves which slot together with polypropylene ends. Six holes in the top section accept two 30mm diameter tubes and four 20mm diameter tubes. Height: 110mm	
313	Test Tube Rack 6 Hole x 20mm	Polished wood stand with drilled holes of 20mm diameter each and clip-on polypropylene ends. Length: 230mm	
314	Test Tube Rack, Z type, Stackable.	Z Shape made from 18-gauge aluminium sheet, anodised, with three tiers. Has an overall height of 75mm and length of 200mm. This stand has 5 holes of 28mm, 6 holes of 20mm and 8 holes of 13mm diameter.	
315	Rubber Tubing 8mm Bore 4.5mm wall thickness 10m roll	Heavy duty high pressure tubing, red rubber. Supplied in 10m roll.	

316	Hoffman Clips	Nickel-plated brass clip with projecting plate to prevent damage to tubing by end of screw hinged bottom bar for direct fitting and removal without access to ends of tube.	
317	Rubber Tubing	Heavy duty high pressure tubing, red rubber. Supplied in 10m roll.	
		Rubber Tubing 10mm Bore 2.0mm wall 10m roll	
		Rubber Tubing 12mm Bore 2.5mm wall 10m roll	
		Rubber Tubing 4mm Bore 1.0mm wall 10m roll	
		Rubber Tubing 5mm Bore 1.5mm wall 10m roll	
		Rubber Tubing 6.5mm Bore 1.5mm wall 10m roll	
		Rubber Tubing 7mm Bore 1.5mm wall 10m roll	
		Rubber Tubing 8mm Bore 2.0mm wall 10m roll	
318	Clip, Mohr	Good quality, nickel-plated brass clips.	
319	Delivery Tubes, Outer Diameter 6mm (Pk 4)	Set of 4 glass delivery tubes	
	Watch Glass	Clear, polished glass with ground edge	
		Watch Glass 100mm (Pk10)	
		Watch Glass 125mm (Pk10)	
		Watch Glass 150mm (Pk10)	
		Watch Glass 50mm (Pk10)	
		Watch Glass 600mm (Pk10)	
		Watch Glass 75mm (Pk10)	
		Watch Glass 80mm (Pk10)	
		Watch Glass 90mm (Pk10)	
320	Tubing, Translucent, Silicone Rubber	Translucent silicone rubber tubing natural colour. Price is per metre length.	

321	Water Still 4 Litre	A budget still designed to meet educational requirements at a low cost. This still produces 4 litres per hour with a 3kW metal heating element. Thermostatic cut off.	
322	Model of Digestive system, hanging wooden plate	It shows Digestive system of the Human . Mounted on base	
323	Model of Cell Animal 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.	
324	Model of Cell Plant 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.	
325	Model of Cell Animal with stand	Enlarged about 20,000 times, it shows structure of the animal cell. In addition to the organelle like nucleus, endoplasmatic reticulum, mitochondria, ribosomes, polysomes and golgi apparatus, the model also shows centrioles, lysosomes and fat vacuoles. Mounted on a stand	
326	Model of Cell Plant with stand	Enlarged about 20,000 times, it shows structure of the Plant cell. Mounted on a stand	

327	Model of 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.	
328	Model of Urinary/Pelvis Male Section	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.	
329	Model of Urinary/Pelvis Female Section	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.	
330	Model of Nerves system, wooden plate	It shows Nerves system of the Human . Mounted on base	
331	Model of Neuron	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.	
332	Model of Kidney,nephron,renal corpuscle	It show model of Kidney,nephron,renal corpuscle on stand , Set of 3	

333	Model of Brain 8 parts	Life-size. On stand, Appropriately coloured and numbered with key card.	
334	Model of Kidney 2 parts	This model demonstrate all the important parts of the kidney. Appropriately coloured and numbered with key card.	
335	Model of Eye Enlarge 3 times	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	
336	Model of Heart , 4 parts	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,	
337	Model of ear , 5 parts	This version is 4-5 times larger than the original for easy demonstration. Appropriately coloured & nicely finished. Numbered with key card.	
338	Human torso 23 parts	Human Torso With Interchangeable Sex Organs, Muscles and Open Back, 23 parts Easily removable parts makes them an excellent teaching Aids . Appropriately coloured, nicely finished and numbered with key card.	



339	Student Microscope, Superior	<p>Body: Monocular tube of mechanical length 160mm, inclinable upto 90 degrees. Triple revolving nosepiece with positive centring & click stops. Objective Achromatic 4X, 10X & 40XSL. Eye piece : Huygenian 10X . Coarse focussing using diagonally cut rack and pinion arrangement and separate fine focussing. Fixed square stage of 120x120mm with stage clips</p>	
340	Binocular Research Microscope, Coaxial Focussing 45°	<p>Body: 45 degrees inclined binocular head rotatable through 360 degrees. Quadruple nose piece with accurate centering and positive click stops, revolves on high grade steel balls & dust proof carrier to ensure smooth rotation & maintain parfocality Stage: Mechanical stage of 120x140mm. Low co-axial drive controls for X-Y movement with fully graduated vernier scale for manipulation of specimen slide. Focussing: Co-axial coarse and fine focussing Illumination: 6V-20W halogen lamp or 3W LED white light illumination, operating on 220/110 Volts. Objective: 4X, 10X, 40X SL and 100X Eyepiece: Two paired eyepiece 10X , 15x</p>	




JAPSON RANGE OF GLASS PRODUCTS

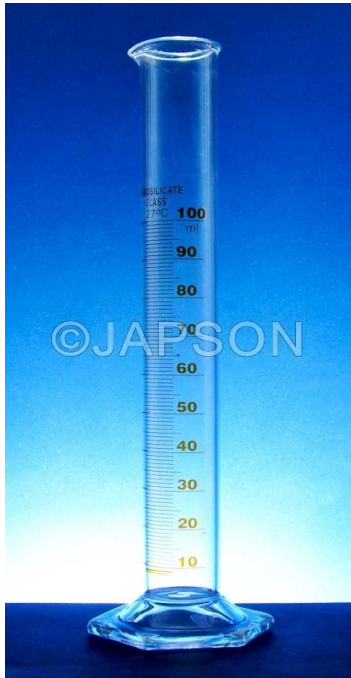










Complete Range Of Quality Borosilicate & Neutral Glass Products



UNION Offers a Complete Range of Glassware Laboratory Products including General Products, Consumables & Apparatus.

S.No	CAT No.	Product Name	Picture	Product Link
1	JG00103	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 25ml		
2	JG00104	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 50ml		
3	JG00105	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 100ml		
4	JG00107	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 250ml		
5	JG00109	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 500ml		
6	JG00111	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 1000ml		
7	JG00112	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 2000ml		
8	JG00114	Beaker, Graduated, White Printing, Borosilicate Glass, UNION Brand 5000ml		
9	JG10702	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 25ml		
10	JG10703	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 50ml		
11	JG10704	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 100ml		
12	JG10706	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 250ml		
13	JG10707	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 500ml		
14	JG10708	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 1000ml		
15	JG10709	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 2000ml		
16	JG10711	Conical Flask, Graduated, White Printing, Borosilicate Glass, UNION Brand 5000ml		
17	JG09703	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 50ml		
18	JG09704	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 100ml		
19	JG09706	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 250ml		









20	JG09708	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 500ml			
21	JG09709	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 1000ml			
22	JG09710	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 2000ml			
23	JG09712	Round Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 5000ml			
24	JG09803	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 50ml			
25	JG09804	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 100ml			
26	JG09806	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 250ml			
27	JG09808	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 500ml			
28	JG09809	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 1000ml			
29	JG09810	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 2000ml			
30	JG09812	Flat Bottom Flask, White Printing, Borosilicate Glass, UNION Brand 5000ml			
31	JG07501A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 5ml			
32	JG07602A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 10ml			
33	JG07603A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 25ml			
34	JG07604A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 50ml			
35	JG07605A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 100ml			
36	JG07606A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 250ml			
37	JG07607A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 500ml			
38	JG07608A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 1000ml			
39	JG07609A	Measuring Cylinder, Class B, White Graduations, Borosilicate Glass 2000ml			
40	JG07501B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 5ml			

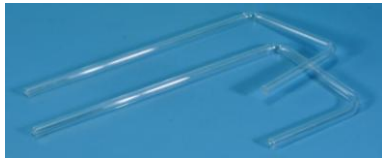

41	JG07502B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 10ml		
42	JG07503B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 25ml		
43	JG07504B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 50ml		
44	JG07505B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 100ml		
45	JG07506B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 250ml		
46	JG07507B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 500ml		
47	JG07508B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 1000ml		
48	JG07509B	Measuring Cylinder, Class B, Brown Graduations, Hexagonal Borosilicate Glass 2000ml		
49	JG12203	Volumetric Flask, 25ml, Class B, Borosilicate Glass		
50	JG12204	Volumetric Flask, 50ml, Class B, Borosilicate Glass		
51	JG12205	Volumetric Flask, 100ml, Class B, Borosilicate Glass		
52	JG12207	Volumetric Flask, 250ml, Class B, Borosilicate Glass		
53	JG12208	Volumetric Flask, 500ml, Class B, Borosilicate Glass		
54	JG12209	Volumetric Flask, 1000ml, Class B, Borosilicate Glass		
55	JG12210	Volumetric Flask, 2000ml, Class B, Borosilicate Glass		
56	JG12211	Volumetric Flask, 5000ml, Class B, Borosilicate Glass		
57	JG05406A	Burettes 50ml with rota flow stop cork - with permanent white graduation (Class B)		
58	JG05406B	Burettes 50ml with rota flow stop cork - with permanent brown graduation (Class B)		

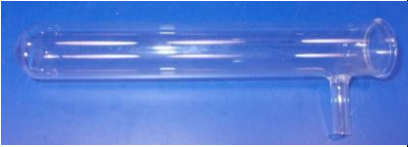



59	JG05606A	Burettes 50ml with PTFE Teflon Stopper - with permanent white graduation (Class B)		
60	JG05706B	Burettes 50ml with PTFE Teflon Stopper - with permanent Brown graduation (Class B)		
61	JG05006A	Burettes 50ml with glass tip & pinch rubber and clip - with permanent white graduation (Class B)		
62	JG05106B	Burettes 50ml with glass tip & pinch rubber and clip - with permanent brown graduation (Class B)		
63	JG05109	Clips for Burettes		
64	JG15601	Pipette Bulb, Borosilicate Glass, Class B, 10ml		
65	JG15602	Pipette Bulb, Borosilicate Glass, Class B, 20ml		
66	JG15603	Pipette Bulb, Borosilicate Glass, Class B, 25ml		
67	JG15604	Pipette Bulb, Borosilicate Glass, Class B, 50ml		
68	JG15404	Pipette Graduated, Borosilicate Glass, Class B, 1ml		
69	JG15406	Pipette Graduated, Borosilicate Glass, Class B, 2ml		
70	JG15408	Pipette Graduated, Borosilicate Glass, Class B, 5ml		
71	JG15410	Pipette Graduated, Borosilicate Glass, Class B, 10ml		
72	JG15411	Pipette Graduated, Borosilicate Glass, Class B, 25ml		
73	JG15412	Pipette Graduated, Borosilicate Glass, Class B, 50ml		
74	JG20102	Test Tube with rim, 12x75mm Borosilicate Glass, Pack of 100		
75	JG20105	Test Tube with rim, 15x150mm Borosilicate Glass, Pack of 100		
76	JG20110	Boiling Tubes with rim, 25x150mm Borosilicate Glass, Pack of 100		
77	JG20302	Test Tube with rim, 12x75mm Hard Neutral Glass, Pack of 100		
78	JG20305	Test Tube with rim, 15x125mm Hard Neutral Glass, Pack of 100		
79	JG20310	Boiling Tubes with rim, 25x150mm Hard Neutral Glass, Pack of 100		

80	JG02501	Reagent Bottle, Narrow Mouth, Clear 30ml, Neutral Glass, Glass Stopper		
81	JG02502	Reagent Bottle, Narrow Mouth, Clear 60ml, Neutral Glass, Glass Stopper		
82	JG02503	Reagent Bottle, Narrow Mouth, Clear 125ml, Neutral Glass, Glass Stopper		
83	JG02504	Reagent Bottle, Narrow Mouth, Clear 250ml, Neutral Glass, Glass Stopper		
84	JG02505	Reagent Bottle, Narrow Mouth, Clear 500ml, Neutral Glass, Glass Stopper		
85	JG02506	Reagent Bottle, Narrow Mouth, Clear 1000ml, Neutral Glass, Glass Stopper		
86	JG02601	Reagent Bottle, Narrow Mouth, Amber 30ml, Neutral Glass, Glass Stopper		
87	JG02602	Reagent Bottle, Narrow Mouth, Amber 60ml, Neutral Glass, Glass Stopper		
88	JG02603	Reagent Bottle, Narrow Mouth, Amber 125ml, Neutral Glass, Glass Stopper		
89	JG02604	Reagent Bottle, Narrow Mouth, Amber 250ml, Neutral Glass, Glass Stopper		
90	JG02605	Reagent Bottle, Narrow Mouth, Amber 500ml, Neutral Glass, Glass Stopper		
91	JG02606	Reagent Bottle, Narrow Mouth, Amber 1000ml, Neutral Glass, Glass Stopper		
92	JG02301	Reagent Bottle, Wide Mouth, Clear 30ml, Neutral Glass, Glass Stopper		
93	JG02302	Reagent Bottle, Wide Mouth, Clear 60ml, Neutral Glass, Glass Stopper		
94	JG02303	Reagent Bottle, Wide Mouth, Clear 125ml, Neutral Glass, Glass Stopper		
95	JG02304	Reagent Bottle, Wide Mouth, Clear 250ml, Neutral Glass, Glass Stopper		
96	JG02305	Reagent Bottle, Wide Mouth, Clear 500ml, Neutral Glass, Glass Stopper		
97	JG02306	Reagent Bottle, Wide Mouth, Clear 1000ml, Neutral Glass, Glass Stopper		
98	JG02401	Reagent Bottle, Wide Mouth, Amber 125ml, Neutral Glass, Glass Stopper		
99	JG02402	Reagent Bottle, Wide Mouth, Amber 250ml, Neutral Glass, Glass Stopper		
100	JG02403	Reagent Bottle, Wide Mouth, Amber 500ml, Neutral Glass, Glass Stopper		
101	JG02404	Reagent Bottle, Wide Mouth, Amber 1000ml, Neutral Glass, Glass Stopper		
102	JG01303	Reagent Bottle, Clear 100ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
103	JG01304	Reagent Bottle, Clear 250ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		

104	JG01305	Reagent Bottle, Clear 500ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
105	JG01306	Reagent Bottle, Clear 1000ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
106	JG01307	Reagent Bottle, Clear 2000ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
107	JG01403	Reagent Bottle, Amber 100ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
108	JG01404	Reagent Bottle, Amber 250ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
109	JG01405	Reagent Bottle, Amber 500ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
110	JG01406	Reagent Bottle, Amber 1000ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
111	JG01407	Reagent Bottle, Amber 2000ml, Borosilicate Glass, Wide Mouth with Blue Screw Cap and Pouring Ring		
112	JG03101	Bottle Polystop Droppers, Borosilicate Glass, Clear, polythene stopper with dust-proof head and vinyl teat , 30ml		
113	JG03102	Bottle Polystop Droppers, Borosilicate Glass, Clear, polythene stopper with dust-proof head and vinyl teat , 60ml		
114	JG03103	Bottle Polystop Droppers, Borosilicate Glass, Clear, polythene stopper with dust-proof		
115	JG03201	Bottle Polystop Droppers, Borosilicate Glass, Amber 30ml		
116	JG03202	Bottle Polystop Droppers, Borosilicate Glass, Amber, Screw Type, 60ml		
117	JG03203	Bottle Polystop Droppers, Borosilicate Glass, Amber, Screw Type, 125ml		
118	JG01002	Density Bottle (Specific Gravity Bottle), 10ml		
119	JG01004	Density Bottle (Specific Gravity Bottle), 25ml		
120	JG01005	Density Bottle (Specific Gravity Bottle), 50ml		

121	JG04001	Universal Bottles with Aluminium Screw Cap (McCartney) - About 7ml		
122	JG04002	Universal Bottles with Aluminium Screw Cap (McCartney) - About 14ml		
123	JG11501	Distillation Flask with Side Arm, Borosilicate Glass, 100ml		
124	JG11503	Distillation Flask with Side Arm, Borosilicate Glass, 250ml		
125	JG11504	Distillation Flask with Side Arm, Borosilicate Glass, 500ml		
126	JG12101	Retort Flask, Borosilicate Glass, 100ml		
127	JG12103	Retort Flask, Borosilicate Glass, 250ml		
128	JG11803	Filter Flask, Borosilicate Glass, 250ml		
129	JG11804	Filter Flask, Borosilicate Glass, 500ml		
130	JG23602	Bell Jar Open Type with glass cork - about 225 (Height) x 150mm (Diameter)		
131	JG23701	Bell Jar with Knob - about 200 (Height) x 100mm (Diameter)		
132	JG16701	Dessicator with Knob, Borosilicate Glass, 4"		
133	JG16702	Dessicator with Knob, Borosilicate Glass, 6"		
134	JG16705	Dessicator with Knob, Borosilicate Glass, 12"		
135	JG16801	Dessicator with Knob, Borosilicate Glass, Vacuum Type, 4"		
136	JG16802	Dessicator with Knob, Borosilicate Glass, Vacuum Type, 6"		
137	JG16805	Dessicator with Knob, Borosilicate Glass, Vacuum Type, 12"		
141	JG14201	Funnel Glass, Borosilicate Glass, 50mm		
142	JG14203	Funnel Glass, Borosilicate Glass, 75mm		
143	JG14204	Funnel Glass, Borosilicate Glass, 100mm		

144	JG13201	Separating Funnel, Rotaflow Stopcock, Borosilicate Glass, 60ml		
145	JG13203	Separating Funnel, Rotaflow Stopcock, Borosilicate Glass, 125ml		
146	JG13204	Separating Funnel, Rotaflow Stopcock, Borosilicate Glass, 250ml		
147	JG13205	Separating Funnel, Rotaflow Stopcock, Borosilicate Glass, 500ml		
148	JG14601	Thistle Funnel		
149	JG14602	Thistle Funnel with tap		
150	JG14001	Dropping Funnel, Borosilicate Glass, 50ml		
151	JG14004	Dropping Funnel, Borosilicate Glass, 250ml		
152	JG22112	Delivery Tubes, Different Angles, Set of 6		
153	JG25108	Glass Trough, Neutral Glass, 200mm (Diameter) x100		
154	JG25109	Glass Trough, Neutral Glass, 300mm (Diameter) x125mm		
155	JG17700	Kipps Apparatus Borosilicate Glass, 250ml - Complete		
156	JG17701	Kipps Apparatus Borosilicate Glass, 500ml - Complete		
157	JG06906	Liebig Condenser, Borosilicate Glass with Standard Cone & Socket, 300mm		
158	JG16501	Petri Dish Glass 50mm, Borosilicate Glass		
158	JG16502	Petri Dish Glass 80mm, Borosilicate Glass		



159	JG16503	Petri Dish Glass 100mm, Borosilicate Glass		
160	JG20610	Test Tube with Side Arms (Borosilicate Glass), 25x150mm		
161	JG23802	U - Tube, Size: 15x125mm		
162	JG23902	U - Tube with Side Arms, Size: 15x125mm		
138	JG14501	Funnel Glass, Neutral Glass, 50mm		
139	JG14503	Funnel Glass, Neutral Glass, 75mm		
140	JG14504	Funnel Glass, Neutral Glass, 100mm		
140	JG02001	Reagent Bottle, Clear Glass, 60ml, Borosilicate glass, narrow mouth with acid proof polypropylene stopper		
140	JG02002	Reagent Bottle, Clear Glass, 1000ml, Borosilicate glass, narrow mouth with acid proof polypropylene stopper		
140	JG02003	Reagent Bottle, Clear Glass, 500ml, Borosilicate glass, narrow mouth with acid proof polypropylene stopper		













UNION Offers a Complete Range of Plastic Laboratory Products including General Products, Consumables & Apparatus.






Contact us for All Types of Requirements including Beakers, Wash Bottles & Dropping Bottles, Measuring Cylinders, Volumetric Flasks, etc.





Also Available All Consumables and Apparatus like Petri Dishes, Tubes, Burettes, Pipettes, Funnels, Test Tube Stands, Lab Accessories, Atomic Model Sets, etc





S.No	BEAKERS			
1	Cat. No.	Capacity		Click Here for Details
	JW00101	50ml		
	JW00102	100ml		
	JW00103	250ml		
	JW00104	500ml		
	JW00105	1000ml		
	JW00106	2000ml		
2	BEAKERS (EURO DESIGN)			Click Here for Details
	Cat. No.	Capacity		
	JW00201	25ml		
	JW00202	50ml		
	JW00203	100ml		
	JW00204	250ml		
	JW00205	500ml		
	JW00206	1000ml		
JW00207	2000ml			
3	BURETTE			Click Here for Details
	Cat. No.	Capacity		
	JW00401	25ml		
	JW00402	50ml		
JW00403	100ml			
4	REAGENT BOTTLES (NARROW & WIDE MOUTH)			Click Here for Details
	Cat. No.	Capacity		
	JW00801	4 ml (Narrow Mouth)		
	JW00802	8 ml (Narrow Mouth)		
	JW00803	15 ml (Narrow Mouth)		
	JW00804	30 ml (Narrow Mouth)		
	JW00805	60 ml (Narrow Mouth)		
	JW00806	125 ml (Narrow Mouth)		
	JW00807	250ml (Narrow Mouth)		
	JW00808	500ml (Narrow Mouth)		
	JW00809	1000ml (Narrow Mouth)		
	JW00902	60 ml (Wide Mouth)		Click Here for Details
	JW00903	125 ml (Wide Mouth)		
JW00904	250ml (Wide Mouth)			
JW00905	500ml (Wide Mouth)			
JW00906	1000ml (Wide Mouth)			





5	NARROW MOUTH BOTTLE		
	Cat. No.	Capacity	Picture
	JW01001	4000ml	
			Click Here for Details
6	WIDE MOUTH SQUARE BOTTLE		
	Cat. No.	Capacity	Picture
	JW01101	4000ml	
			Click Here for Details
7	HEAVY DUTY VACCUM BOTTLE		
	Cat. No.	Capacity	Picture
	JW01201	2000ml	
			Click Here for Details
8	CARBOY		
	Cat. No.	Capacity	Picture
	JW01301	10 Ltrs.	
	JW01302	20 Ltrs.	
			Click Here for Details
9	CARBOY WITH STOP COCK		
	Cat. No.	Capacity	Picture
	JW01401	10 Ltrs.	
	JW01402	20 Ltrs.	
			Click Here for Details


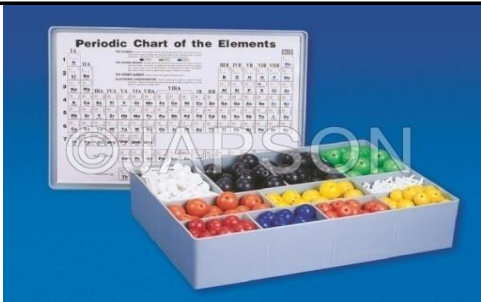
10	ASPIRATOR BOTTLES			
	Cat. No.	Capacity	Picture	
	JW01501	5 Ltrs.		
	JW01502	10 Ltrs.		
	JW01503	20 Ltrs.		
				Click Here for Details
11	WASH BOTTLES			
	Cat. No.	Capacity	Picture	
	JW01601	125 ml		
	JW01602	250ml		
	JW01603	500ml		
	JW01604	1000ml		
				Click Here for Details
12	JW01701	125 ml (New Type)		
	JW01702	250ml (New Type)		
	JW01703	500ml (New Type)		
				Click Here for Details
13	FISHER CLAMP			
	Cat. No.	Type	Picture	
	JW02101	Single		
	JW02102	Double		
				Click Here for Details
14	FUNNEL HOLDER			
	Cat. No.	Type	Picture	
	JW02201	Single		
				Click Here for Details




16	PIPETTE PUMP		
	Cat. No.	Type	Picture
		10ML	
		25ML	
17	SEPARATORY FUNNEL HOLDER		
	Cat. No.	Type	Picture
	JW02301	Single	
			Click Here for Details
18	FLASK STAND		
	Cat. No.	Type	Picture
	JW02401	Flask Stand	
			Click Here for Details
19	CONNECTORS (T & Y)		
	Cat. No.	SIZE	Picture
	JW02501	T Connectors 6mm	
	JW02503	T Connectors 8mm	
	JW02505	T Connectors 10mm	
	JW02502	Y Connectors 6mm	
	JW02504	Y Connectors 8mm	
	JW02506	Y Connectors 10mm	
			Click Here for Details
20	CONNECTORS (CROSS)		
	Cat. No.	SIZE	Picture
	JW02601	6mm	
	JW02602	8mm	
	JW02603	10mm	
			Click Here for Details





21	CONNECTORS (L SHAPED)			
	Cat. No.	SIZE	Picture	
	JW02701	6mm		
	JW02702	8mm		
	JW02703	10mm		
				Click Here for Details
22	ANIMAL CAGE & WATER BOTTLE			
	Cat. No.	Particulars	Picture	
	JW02801	Cage, 290x220x140mm		
	JW02802	Cage, 430x270x150mm		
	JW02901	Water Bottle 125 ml		
	JW02902	Water Bottle 250 ml		
				Click Here for Details Click Here for Details
23	ANIMAL CAGE (TWIN GRILL)			
	Cat. No.	SIZE	Picture	
	JW03001	290x220x140mm		
	JW03002	430x270x150mm		
				Click Here for Details
24	RETORT STAND			
	Cat. No.	SIZE	Picture	
	JW03101	225x150 mm Side Hole		
	JW03102	300x200 mm Centre Hole		
	JW03103	300x200 mm Side Hole		
				Click Here for Details





25	DESICCATOR (VACCUM)			
	Cat. No.	SIZE	Picture	
	JW03201	150 mm		
	JW03202	200 mm		
	JW03203	250 mm		
	JW03204	300 mm		
			Click Here for Details	
26	DESICCATOR (VACCUM) ALL CLEAR			
	Cat. No.	SIZE	Picture	
	JW03301	150 mm		
	JW03302	200 mm		
	JW03303	250 mm		
	JW03304	300 mm		
			Click Here for Details	
27	DESICCATOR (PLAIN)			
	Cat. No.	SIZE	Picture	
	JW03401	150 mm		
	JW03402	200 mm		
	JW03403	250 mm		
	JW03404	300 mm		
			Click Here for Details	
28	STOP COCKS			
	Cat. No.	TYPE	Picture	
	JW03501	Stopcock 2 WAY		
	JW03502	Stopcock 3 WAY		
			Click Here for Details	

29	KIPP'S APPRATUS			
	Cat. No.	Capacity	Picture	
	JW03601	250 ml	 <p>©JAPSON</p>	
	JW03602	500 ml		
	JW03603	1000 ml		
				Click Here for Details
30	FUNNEL LONG STEM			
	Cat. No.	SIZE	Picture	
	JW03902	50 mm	 <p>©JAPSON</p>	
	JW03701	62 mm		
	JW03702	75 mm		
	JW03703	100 mm		
	JW03704	150 mm		
				Click Here for Details
31	BUCHNER FUNNEL			
	Cat. No.	SIZE	Picture	
	JW03801	70 mm	 <p>©JAPSON</p>	
	JW03803	110 mm		
				Click Here for Details
32	POWDER FUNNELS			
	Cat. No.	SIZE	Picture	
	JW04001	65 mm	 <p>©JAPSON</p>	
	JW04002	80 mm		
	JW04003	100 mm		
	JW04004	150 mm		
				Click Here for Details





33	INDUSTRIAL FUNNELS			
	Cat. No.	SIZE	Picture	
	JW04101	200 mm		
	JW04102	250 mm		
				Click Here for Details
34	PETRI DISH			
	Cat. No.	SIZE	Picture	
	JW04201	50 mm		
	JW04202	75 mm		
	JW04203	100 mm		
	JW04204	125 mm		
	JW04205	150 mm		
				Click Here for Details
35	ATOMIC MODEL SET			
	Cat. No.	Type	Picture	
	JW04401	Senior Set		
	JW04402	Junior Set		
				Click Here for Details
35	ATOMIC MODEL SET (EURO DESIGN)			
	Cat. No.	Type	Picture	
	JW04501	Student Set		
	JW04502	Teacher Set		
				Click Here for Details

36	CRYSTAL MODEL SET			
	Cat. No.	Type	Picture	
	JW04601	Diamond		
	JW04602	Sodium Chloride		
	JW04603	Graphite		
				Click Here for Details
37	COPLIN JAR			
	Cat. No.	Type	Picture	
	JW04701	Vertical		
				Click Here for Details
38	SLIDE MAILER			
	Cat. No.	Type	Picture	
	JW04801	1 Slide		
	JW04802	2 Slides		
	JW04803	5 Slides		
	JW04804	10 Slides		
				Click Here for Details
39	SLIDE BOX			
	Cat. No.	Type	Picture	
	JW04901	25 Slides		
	JW04902	50 Slides		
	JW04903	100 Slides		
				Click Here for Details

40	SLIDE STORAGE RACK			
	Cat. No.	Type	Picture	
	JW05001	100 Slides		Click Here for Details
41	FLOAT RACK			
	Cat. No.	Type	Picture	
	JW05101	16 MCTs of 1.5 ml		Click Here for Details
42	MCT TWIN RACK			
	Cat. No.	Size	Picture	
	JW05201	Rack for 0.5 ml & 1.5ml. MCTs.		Click Here for Details
43	PCR TUBE RACK			
	Cat. No.	Size	Picture	
	JW05301	Rack for 96 PCR Tubes of 0.2ml		Click Here for Details

44	MCT BOX			
	Cat. No.	Size	Picture	
	JW05401	Rack for 100 MCTs of 0.5 ml		Click Here for Details
	JW05402	Rack for 64 MCTs of 1.5 ml		
45	CENTRIFUGE TUBE CONICAL BOTTOM			
	Cat. No.	Capacity	Picture	
	JW05504	15ml		Click Here for Details
	JW05506	50ml		
46	CENTRIFUGE TUBE ROUND BOTTOM			
	Cat. No.	Capacity	Picture	
	JW05601	16 ml Cent. Tube PP		Click Here for Details
	JW05602	50 ml Cent. Tube PP		
	JW05603	16 ml Cent. Tube PC		
	JW05604	50 ml Cent. Tube PC		
	JW05605	Cap. For 16ml Cent. Tube		
	JW05606	Cap. For 50ml Cent. Tube		
47	OAK RIDGE CENTRIFUGE TUBES			
	Cat. No.	Capacity	Picture	
	JW05701	30 ml		Click Here for Details
	JW05702	50 ml		
	JW05703	100 ml		

48	URINE CONTAINER		
	Cat. No.	Capacity	Picture
	JW05801	30 ml	
	JW05802	60 ml	
			Click Here for Details
49	STOOL CONTAINER		
	Cat. No.	Capacity	Picture
	JW05901	30 ml	
	JW05902	60 ml	
			Click Here for Details
50	STOOL CONTAINER, NEW DESIGN		
	Cat. No.	Capacity	Picture
	JW06001	25 ml	
			Click Here for Details
51	RIA VIAL		
	Cat. No.	Size	Picture
	JW06101	12x75 mm/PS	
	JW06102	12x75 mm/PP	
	JW06103	Cap for 12 mm RIA Tube	
			Click Here for Details

52	TEST TUBE WITH SCREW CAP			
	Cat. No.	Size	Picture	
	JW06201	16x100 mm Ext. Thread		Click Here for Details
53	TEST TUBE CAP			
	Cat. No.	Size	Picture	
	JW06301	Cap for Test tube 0.25 mm		Click Here for Details
54	STORAGE VIAL			
	Cat. No.	Capacity	Picture	
	JW06401	1.0 ml		Click Here for Details
	JW06402	2.0 ml		
	JW06403	5.0 ml		
55	STORAGE VIAL WITH O-RING			
	Cat. No.	Capacity	Picture	
	JW06501	2.0 ml		Click Here for Details





56	STORAGE VIAL - INTERNAL THREAD		
	Cat. No.	Capacity	Picture
	JW06601	2.0 ml	
57	SV10 - SVS		
	Cat. No.	Capacity	Picture
	JW06702	SV-10 ml.	
	JW06701	SV-5 ml.	
57	SCINTILLATION VIAL		
	Cat. No.	Capacity	Picture
	JW06801	8 ml	
	JW06802	20 ml	
58	RACK FOR SCINTILLATION VIAL		
	Cat. No.	Capacity	Picture
	JW06901	Rack for 90 vial of 8 ml	
	JW06902	Rack for 50 vial of 20 ml	

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59	CRYO VIAL - INTERNAL THREAD		
	Cat. No.	Capacity	Picture
	JW07001	2.0 ml	
60	CRYO VIAL		
	Cat. No.	Capacity	Picture
	JW07101	1.0 ml	
	JW07102	1.8 ml	
	JW07103	4.5 ml	
61	CRYO CODERS		
	Cat. No.	Type	Picture
	JW07201	Red or White	
62	CRYO RACK		
	Cat. No.	Capacity	Picture
	JW07301	50 Places for 1, 1.8 & 4.5 Cryo Vials	




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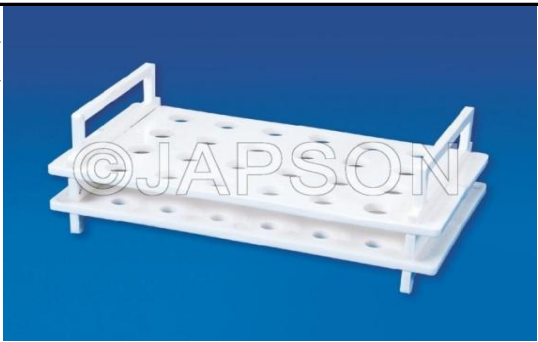

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63	CRYO BOX (PC)			
	Cat. No.	Size	Picture	
	JW07402	81 Places for 1ml. Or 1.8 ml. Cryo Vials		Click Here for Details
	JW07403	81 Places for 4.5ml. Cryo Vials		
	JW07404	100 Places for 1ml. Or 1.8 ml. Cryo Vials		
64	CRYO BOX (PP)			
	Cat. No.	Size	Picture	
	JW07501	81 Places for 1ml. Or 1.8 ml. Cryo Vials		Click Here for Details
	JW07502	100 Places for 1ml. Or 1.8 ml. Cryo Vials		
65	MICRO TEST PLATES			
	Cat. No.	Description	Picture	
	JW07601	Flat Bottom		Click Here for Details
	JW07602	U Bottom		

66	MICRO TIP BOX (NEW)			
	Cat. No.	Type	Picture	
	JW07801	For 96 Micro tips of 2-10µl		Click Here for Details
	JW07802	For 96 Micro tips of 2-200µl		
	JW07803	For 100 Micro tips of 200-1000µl		
67	VOLUMETRIC FLASK			
	Cat. No.	Capacity	Picture	
	JW07901	25 ml		Click Here for Details
	JW07902	50 ml		
	JW07903	100 ml		
	JW07904	250 ml		
	JW07905	500 ml		
	JW07906	1000 ml		
68	RACK FOR PETRI DISHES			
	Cat. No.	Size	Picture	
	JW08101	Rack For 90 mm Petri Dishes		Click Here for Details
	JW08102	Rack For 60 mm Petri Dishes		


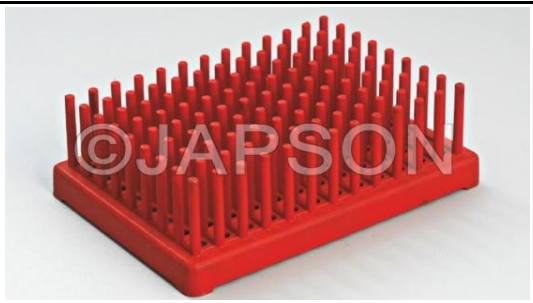
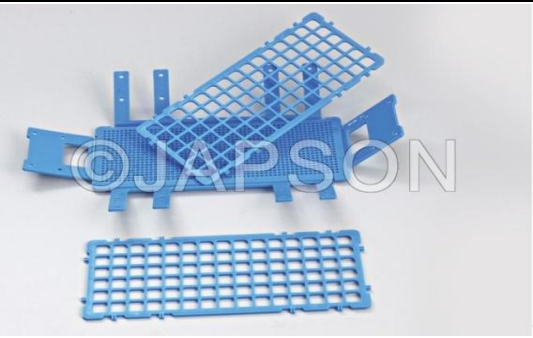
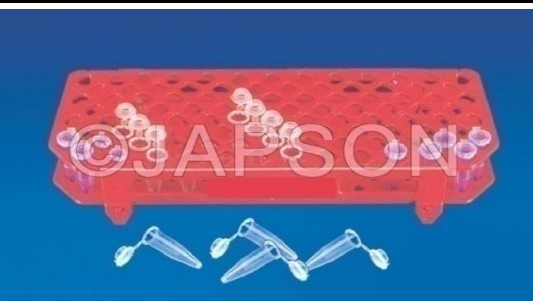
69	UNIVERSAL MULTIRACK			
	Cat. No.	Type	Picture	
	JW08201	Multi Rack		Click Here for Details
70	NESTLER CYLINDER STAND			
	Cat. No.	Capacity	Picture	
	JW08301	50 ml		Click Here for Details
	JW08302	100 ml		
71	TEST TUBE STAND			
	Cat. No.	Type	Picture	
	JW08401	6 Tubes. For 16 mm & 25 mm Tubes		Click Here for Details
	JW08402	6 Tubes. For 25 mm Tubes		

72	TEST TUBE STAND (ROUND)		
	Cat. No.	Type	Picture
	JW08501	12 Tubes. Size 19 mm & 25 mm Tubes	
73	RACK FOR MICRO CENTRIFUGE TUBES		
	Cat. No.	Type	Picture
	JW08601	24 Tubes	
	JW08602	48 Tubes	
74	TEST TUBE STAND (3 TIER) POLYPROPYLENE		
	Cat. No.	Size	Picture
	JW08701	13 mm x 31 Tubes	
	JW08702	16 mm x 31 Tubes	
	JW08703	20 mm x 20 Tubes	
	JW08704	25 mm x 12 Tubes	
	JW08705	25mm x 18 Tubes	
	JW08706	32 mm x 12 Tubes	
	JW08707	25 mm x 36 Tubes	
	JW08708	13 mm x 18 Tubes	
	JW08709	15 mm x 18 Tubes	
	JW08710	18 mm x 12 Tubes	
	JW08711	13 mm x 62 Tubes	
	JW08712	16 mm x 62 Tubes	
	JW08713	20 mm x 40 Tubes	
	JW08714	13 mm x 48 Tubes	
	JW08715	13 mm x 72 Tubes	

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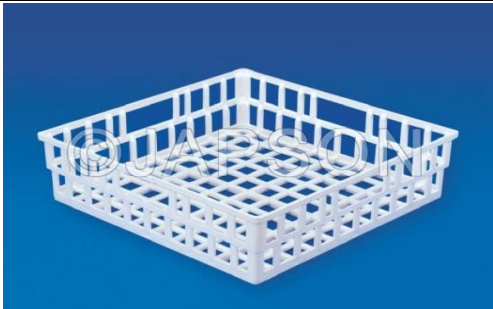


75	TEST TUBE STAND (3 TIER) POLYCARBONATE		
	Cat. No.	Size	Picture
	JW08801	13 mm x 31 Tubes	
	JW08802	16 mm x 31 Tubes	
	JW08803	20 mm x 20 Tubes	
	JW08804	25 mm x 12 Tubes	
	JW08805	13 mm x 62 Tubes	
	JW08806	16 mm x 62 Tubes	
	JW08807	20 mm x 40 Tubes	
	JW08808	25 mm x 24 Tubes	
	JW08809	25mm x 18 Tubes	
	JW08810	25 mm x 36 Tubes	
	JW08811	32 mm x 12 Tubes	
76	TEST TUBE PEG RACK		
	Cat. No.	Size	Picture
	JW08901	13 mm x 96 Tubes	
	JW08902	16 mm x 60 Tubes	
77	TEST TUBE STAND (WIRE PATTERN)		
	Cat. No.	Size	Picture
	JW09001	13 mm x 90 Tubes	
	JW09002	16 mm x 60 Tubes	
	JW09003	20 mm x 40 Tubes	
	JW09004	25 mm x 24 Tubes	
	JW09005	30 mm x 21 Tubes	
78	RACK FOR MICRO CENTRIFUGE (FOLDING)		
	Cat. No.	Size	Picture
	JW09101	100 Places For 1.5 ml MCTs	





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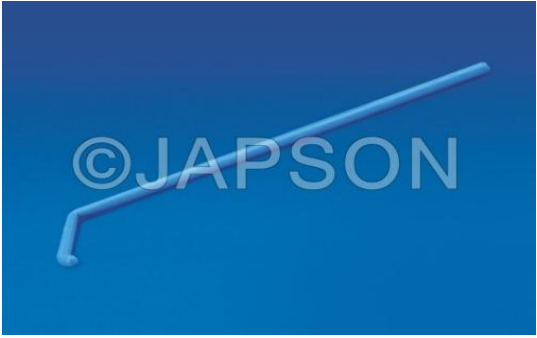



79	TEST TUBE BASKETS			
	Cat. No.	Size	Picture	
	JW09201	Size: 140mm x 120mm x 110mm		Click Here for Details
	JW09202	Size: 160mm x 160mm x 160mm		
80	DRAINING BASKET			
	Cat. No.	Size	Picture	
	JW09301	Size: 400mm x 400mm x 100mm		Click Here for Details
81	PIPETTE STAND (HORIZONTAL)			
	Cat. No.	Particulars	Picture	
	JW09401	For 12 Pipette		Click Here for Details
82	PIPETTE STAND (VERTICAL)			
	Cat. No.	Particulars	Picture	
	JW09501	For 28 Pipette		Click Here for Details




83	PIPETTE STAND (94 PIPETTES ROTARY)		
	Cat. No.	Particulars	Picture
	JW09601	For 94 Pipette	
84	PIPETTE BOX		
	Cat. No.	Type	Picture
	JW09701	Regular	
85	UNIVERSAL REAGENT RESERVOIR		
	Cat. No.	Capacity	Picture
	JW09901	50 ml	
86	REAGENT RESERVOIR		
	Cat. No.	Capacity	Picture
	JW09801	75 ml	

87	STAINING BOX			
	Cat. No.	Size	Picture	
	JW10101	125 mm x 125 mm x 50 mm		Click Here for Details
88	MEASURING CYLINDERS			
	Cat. No.	Capacity	Picture	
	JW10201	10 ML		Click Here for Details
	JW10202	25 ml		
	JW10203	50 ml		
	JW10204	100 ml		
	JW10205	250 ml		
	JW10206	500 ml		
	JW10207	1000 ml		
	JW10208	2000 ml		
89	MEASURING CYLINDERS, TPX(POLY METHYL PENTENE)			
	Cat. No.	Capacity	Picture	
	JW10301	10 ml		Click Here for Details
	JW10302	25 ml		
	JW10303	50 ml		
	JW10304	100 ml		
	JW10305	250 ml		
	JW10306	500 ml		
90	MEASURING CYLINDERS HEXAGONAL			
	Cat. No.	Capacity	Picture	
	JW10401	10 ml		Click Here for Details
	JW10402	25 ml		
	JW10403	50 ml		
	JW10404	100 ml		
	JW10405	250 ml		
	JW10406	500 ml		
	JW10407	1000 ml		





91	MEASURING JUGS			
	Cat. No.	Capacity	Picture	
	JW10601	250 ml		Click Here for Details
	JW10602	500 ml		
	JW10603	1000 ml		
	JW10604	2000 ml		
92	MEASURING JUGS (EURO DESIGN)			
	Cat. No.	Capacity	Picture	
	JW10701	500 ml		Click Here for Details
	JW10702	1000 ml		
	JW10703	2000 ml		
	JW10704	3000 ml		
	JW10705	4000 ml		
93	CONICAL MEASURES			
	Cat. No.	Capacity	Picture	
	JW10801	12 ml		Click Here for Details
	JW10802	25 ml		
	JW10803	50 ml		
	JW10804	125 ml		
	JW10805	200 ml		
94	SEPARATING FUNNEL			
	Cat. No.	Capacity	Picture	
	JW10901	100 ml		Click Here for Details
	JW10902	250 ml		
	JW10903	500 ml		

95	SPATULA			
	Cat. No.	Capacity	Picture	
	JD13001	150 mm		Click Here for Details
	JD13002	200 mm		
96	STIRRER			
	Cat. No.	Size	Picture	
	JW11101	o- 10mm x h-250 mm		Click Here for Details
	JW11102	o- 6 mm x h-150 mm		
	JW11103	o- 7mm x h-200 mm		
	JW11104	o- 7 mm x h-250 mm		
	JW11105	o- 7 mm x h-300 mm		
97	POLICEMEN STIRRING RODS			
	Cat. No.	Capacity	Picture	
	JW11201	o-6 mm xh-245 mm		Click Here for Details
98	SOFT LOOP STERILE			
	Cat. No.	Size	Picture	
	JW11301	Soft Loopes 1 µl		Click Here for Details
	JW11302	Soft Loopes 10 µl		
	JW11303	Inoculation Needle		

99	L SHAPED SPREADER			
	Cat. No.	Type	Picture	
	JW11401	Standard		Click Here for Details
100	MICRO PESTLE			
	Cat. No.	Type	Picture	
	JW11501	Standard		Click Here for Details
101	PNEUMETIC TROUGH			
	Cat. No.	Size	Picture	
	JW11601	Ø-180 X h-60 mm		Click Here for Details
	JW11602	Ø-200 X h-100 mm		
	JW11603	Ø-250 X h-100 mm		
102	PLANTATION POTS			
	Cat. No.	Size	Picture	
	JW11701	100 mm		Click Here for Details
	JW11702	150 mm		
	JW11703	200 mm		
	JW11704	250 mm		

103	LABORATORY TRAY			
	Cat. No.	Size	Picture	
	JW11801	Size: 450mm x 350mm x 75mm		Click Here for Details
	JW11802	Size: 375mm x 300mm x 75mm		
104	UTILITY TRAY			
	Cat. No.	Size	Picture	
	JW11901	Size: 375mm x 350mm x 130mm		Click Here for Details
105	CARRIER TRAYS			
	Cat. No.	Size	Picture	
	JW12001	Size: 380mm x 240mm x 115mm		Click Here for Details

106	INSTRUMENT TRAY			
	Cat. No.	Size	Picture	
	JW12101	Size: 220mm x 150mm x 70mm		Click Here for Details
	JW12102	Size: 450mm x 150mm x 70mm		
107	DRAINING RACK			
	Cat. No.	Particulars	Picture	
	JW12201	DRAINING RACK		Click Here for Details
108	MEGENTA BOX			
	Cat. No.	Particulars	Picture	
	JW12301	MEGENTA BOX		Click Here for Details
109	STORAGE BOXES			
	Cat. No.	Capacity	Picture	
	JW12401	250ml		Click Here for Details
	JW12402	500ml		
	JW12403	1000ml		

110	SIMPLE CELL POT			
	Cat. No.	Particulars	Picture	
	JW12501	SIMPLE CELL POT		Click Here for Details
111	LECLANCHE CELL POT			
	Cat. No.	Particulars	Picture	
	JW12601	LECLANCHE CELL POT		Click Here for Details
112	SAMPLE CONTAINER (PRESS & FIT TYPE)			
	Cat. No.	Capacity	Picture	
	JW12701	50ml		Click Here for Details
	JW12702	25 ml		
113	MEDICINE CUP			
	Cat. No.	Capacity	Picture	
	JW12801	25 ml		Click Here for Details

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