



SARASWATI SCIENTIFIC SURGICALS

Manufacturer & Exporters

Physics, Biology, Chemistry, Glassware, Plastic Ware, Porcelain Ware, Microscope, Heating & Cooling Test & School, College Instruments



Our goal here is to provide high quality products.



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PHARMACY LAB



SSS-701 INFRARED MOISTURE BALANCE

A basic method for determination of moisture content, measure moisture percentage by weight and drying simultaneously. Infra Red radiation are radiation are reflector by a bulb and its Temperature is controlled by a regulator. The balance scale is divided in terms of moisture content on net weight basis.

Specification:

Range Accuracy	: 0-100%
Dimension	: 38x35x38cm.
Weight	: 20 kgs. Approx.
A.C. Mains	: 220V 50Hz



SSS-702 INOCULATION CHAMBER

Made of seasoned teak wood with thick by board on top and bottom and 3mm plywood on back thick non rating glass door for convenient view of the specimen provided with one florescent tube and one violet tube.

SSS-703 ACTIVITY CAGE (Acto Photometer)

This instrument is designed with the modern state of art technology incorporating LSI Electronic digital circuitry. The chamber for the animal is made out of clear perspex sheet fitted with grill of nickel plated brass rods placed 3/16" apart. An build variable shock arrangement of strength 100v, 50ma is provided in the instrument. Also a four digit counter is provided which counts the movement of the animal, inside the perspex chamber. The counter is provided with a reset switch.



SSS-704 AMPOULE FILLING AND SEALING MACHINE

Motor operated syringe type device is provided with automatic intake and out flow of fluid and all contact parts of borosil glass, giving ten Ampoules per minute capacity of filling adjustment form 1 ml to 50 ml fitted gas burner but without gas cylinder.

SSS-705 AMPOULE WASHING DEVICE

Jet needle type, consists of 6 stainless steel needle, jet fixed on a stainless steel pipe of 12.5 mm. Dia. With side tap and serrations for dinging rubber tube tap water. Spring loaded ampoule holding arrangement for various sized of ampoules and a stainless steel bottom trad on the stand.



SSS-706 BALL MILL MOTOR DRIVEN SS JAR BLADE

Capacity 1 kg, a compact unit build on a metal platform, with geared with motor which revolves a drum and contains a stainless steel vessel and the drum rotates on brackets. Complete with set of balls, main lead and plug with 150 RPM. Works on 220 Volts AC.

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SSS-707 BULK DENSITY APPARATUS

Specially designed to study, the packing down of power beds of different pharmaceuticals and chemicals in the process of tablet manufacturing, capsule filling & cosmetics. Installed with an automatic device for preset of strokes. Driven noiseless and sturdy motor. Elegantly designed for smooth operation electrically operated on 230V AC, 50Hz.



SSS-709 TABLET DISINTEGRATION APPARATUS

Tablet-Disintegration with double / single Disc with 12 removable glass vessels have a S.S. Wire mesh bottom, which dip in water in a beaker of 1000ml kept on the hot plate, temperature of which is maintained 37°C with an accuracy of ±1°C. 250 watts.



Particulars

- Single Test Apparatus
- Double Test Apparatus

SSS-711 ANALGESION METER (TAIL FLICK)

The instrument is used to study the analgesic effects in case of mice. Heat is used as source of pain. The tail of mice is held at different temperature & tail licking response is studied. The current through the element generation head can be controller from maximum to value by thermostat.



SSS-713 HISTAMINE CHAMBER

Histamine aerosols size 12", 10"x16" made of acrylic sheet with glass nebulizer, dial type sphygmo meter, rubber below for constant pressure with y tube and rubber tubing. With fitting.



SSS-708 ELECTRO CONVULSE METER

This instrument is used for applying Maximal Electro shock (MES) through the corneal electro rods provided with the instruments. It is used to study the anticonvulsant activity of phenytoin against Maximal electro shock induced convulsions in rats. This instrument has been designed with the modern state of art technology incorporating MSI electronic circuitry.



SSS-710 ANALGESIOMETER EDDY'S HOTPLATE

Offering Analgesia meter Eddy's Hot Plate. With square box consisting of 30x30cms, heating surface with perspex enclosure and solid state digital temperature controller with indicating galvanometer to set surface temp. Between 30° to 80°C.



SSS-712 FRIABILITY APPARATUS

This apparatus is designed to determine the abrasion rate and impact hardness of tablet. One transparent acrylic drum is rotated by superior quality constant speed sturdy motor, mounted in painted sheet metal cabinet with chemical resistant powder coated paint.



Specification :

- Speed : 25 ± 1 RPM
- Motor : 1/8 Hp
- Power : 230V AC single phase

SSS-714 STUDENT ORGAN BATH

Particulars

- Single Unit
- Double Unit





SSS-715 TABLET HARDNESS TESTER (Monsanto Type)

A fairly instruments for taking quick reading for the hardness of tablets. It is made of brass turned parts, heavily chrome plated, the scale is 0 to 20 kg and the index mark and division is in 1 kg reading. Scale adjustable for zero setting as per size of the tablets.



SSS-717 COOKS POLE CLIMBING RESPONSE APPARATUS

This is improved used friendly model with both light & sound stimuli can be selected by a switch. Shock stimulus is of 200 volt 2 M 50 HZ AC. Application of shock cab be either manual or automatic and also ready or delayed. Both duration of delay and application of shock are controlled by 11 position timer switch.



SSS-719 ROTA ROD

For determining neuro-pixicity, muscle tone, balance and motor co-ordination in rats and mice. Consists of two compartments of 75mm width each with a rotating rod of 25mm diameter having speeds of 5, 10, 15, 20 and 25 r.p.m time counter in each compartments.



Particulars

- Two Compartment
- Three Compartment
- Four Compartment
- Six Compartment

SSS-721 TELE THERMOMETER SINGLE/SIX PROBE

Provided with single probe. Shows the temperature of six different locations, selectable, one by one with the help a switch. With a digital readout and the resolution of temperature is 0.1 degree C.



SSS-716 TABLET HARDNESS TESTER (Pfizer Type)

A handy, tough and direct dial reading type tablet hardness tester, working as pair of pliers, generates breaking force in single grip. The instrument offers accurate and reproducible results much faster other conventional hardness testers.



Specifications :

- Accuracy : ±0.2Kg.
- Least Count : 0.2 Kg.
- Safe Testing Force : 20 Kg.
- Maximum Tablet Diameter : 25mm

SSS-718 SPIROMETER

6 Liter capacity for vital capacity, or use as a gasometer with teflon wire (for smooth functioning) compensated counter balance to the float balanced through cut is movement pulley calibrated to denote volume inlet and outlet tubes, side cock for gases, cock for draining off water strong construction. Complete with sorrugated tube mouth piece & recording lever.



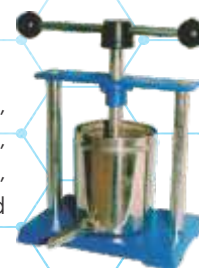
SSS-720 DOUBLE CONE BLENDER (Lab Model)

Consists of two stainless steel cone welded with cylindrical shape and having charging and discharging at opposite ends mounted on angle iron stand capacity 5kg. Single on reduction gear box.



SSS-722 TINCHER PRESS

Extra heavy for making tinctures, decoctious infusions etc. Cap. 1 Lt, stainless steel disc, with screw drive, stainless steel mesh as inner perforated vessel with stop cock.





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SSS-723 ASEPTIC CABINET

M.S. Structure with slopping front, acrylic front and side doors (fully transparent), 3' germicidal ultra-violet tube and 2' fluorescent tubes for white light, with necessary choke blast, starter and switches. Also mains lead; plug and two holes with rings and sleeves for insertion arms are provided. Size 95 x 50 x 50 cms.



SSS-725 HAND OPERATED BOTTLE FILLING MACHINE FOR UPTO 250ML.

In compliance with the set industry standards, our provided machine is precisely manufactured using quality assured components and advanced technology.

Offered machine is widely used in various industries such as food, beverage, chemical, etc. by our clients accordingly.

To ensure the best quality, the offered machine is stringently tested by our quality experts on different parameters.

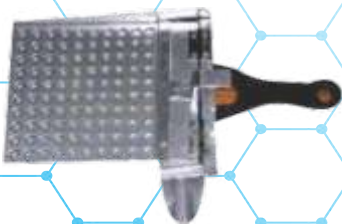


SSS-727 COLLAPSIBLE TUBE SEALING MACHINE

Hand Lever sliding movement with toothed jaws action release robust construction.

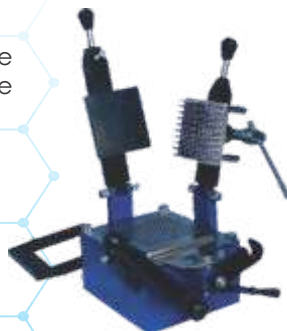


SSS-729 CAPSULE COUNTER



SSS-730 CAPSULE FILLING MACHINE

100 Capsule
300 Capsule



SSS-731 TABLET COUNTER

(Tablet Counting Device) : Manual



SSS-724 BOTTLE SEALING MACHINE

Bottle Cap Sealing Machine : portable, hand operated equipment with two extra cap holders of different sizes. Totally casted machine hand operated.



SSS-726 BOTTLE WASHING MACHINE

We are dedicatedly involved in providing an excellent quality array of Bottle Washing Machine, for catering the various needs of our clients.

Capacity 3000 BPH
Machine Type Semi-Automatic
Power Source Electric
Dimension 2200x2100x2200 mm



SSS-728 UV INSPECTION CABINET

UV light is short wave 254nm & in long wave 365nm. Contoured Viewing hood with safety UV barrier filter protect eyes. Special short UV filter for high detection ability and sensitivity. UV absorbing matt black finish gives sensitivity. All metal body powder coated for rugged dependability along with one fluorescent tube.





SSS-732 THIN LAYER CHROMATOGRAPH APPARATUS (TLC Kit)

This unit is based on dosage german pattern having movable applicator with in built thickness arrangement between 0 to 2mm have the following components.

- Spreader (applicator) made of electroplated brass.
- Perspex base size 114x23cm to support glass plates size 20x20cm and 2 plates of 20x5c.
- Plate rack aluminum for ten 20x20cm plates.
- Spotting tem plates perspex.
- Developing tank with lid.
- TLC plates set 20x20 cm or 20x10cm.
- Micro-pipette.
- Scriber for making lines.
- Glass sprayer with rubber bellow.



SSS-733 JAR TEST APPARATUS

Specially designed for use is water treatment plants to correctly estimate the dosing of aluminum and such other coagulants for treatment of water and sewage. In provides identical test conditions for all samples. Illuminated base consists of fluorescent tube mounted below translucent plastic plate to provide diffused cold light through floc samples. Variable speed motor form 10-100RPM with built in speed control SS stirring rods are provided with adjustable spacers to adjust the depth of stirring paddles. The shaft can be removed without disturbing other stirrers.



SSS-734 ANTI BIOTIC ZONE READER

The antibiotic zone reader provides a rapid accurate method for determining the strength of antibiotic materials by measuring the diameter of an inhibited zone in petri dish.



SSS-735 BICYCLE ERGOGRAPH

Bicycle Ergograph which is used to measure the work capacity of a muscle or a group of muscles. This product is equipped with a device to record the mandatory measures using advanced features. Standard and customized options are available with us for this product and are offered at industry leading prices.



SSS-736 DISSOLUTION RATE TEST APPARATUS

Particulars

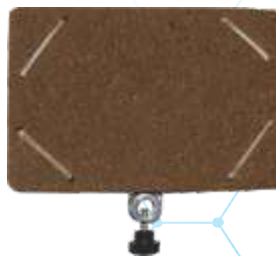
- Single Stage
- Double Stage

OPTIONAL ACCESSORIES:

1. Digital RPM
2. Digital Temperature
3. Digital Timer



SSS-737 FROG BOARD



SSS-738 COLLAPSIBLE TUBE FILLING MACHINE





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SSS-739 CONSTANT TEMPERATURE REFRIGERATION BATH

Double wall construction outer body made of mild steel sheet inner of stainless steel temperature range $\pm 5^{\circ}\text{C}$ to $95^{\circ}\text{C} \pm 5^{\circ}\text{C}$ controlled by digital temperature controller cum indicator. Product to work on 220-240V AC.



Chamber Size	Capacity
500x250x250mm	32 Liters

SSS-741 BONE AND MEAT CUTTING MACHINE

Specifications (Approx. Size)

Size of cutting table : 500x380mm
 Length of Saw Band : 1650 mm
 Rotational Speed : 1420 R/min
 External Dimensions : 52.5 x 47 x 85cm
 Cutting Thickness : 5 - 15 mm
 Thickness of Saw Band : 0.5
 Cutting Height : 180 mm

The table is made of thick S.S. Sheet with special heavy axles for easy and firm movement. Supplied complete with one blade, starter, cord and plug, work on 220 V, single phase, AC supply.



SSS-740 AMPOULE CLARITY

Ampoule clarity test apparatus black & white screen fitted on a base board with light arrangement. An adjustable side arm has been provided with clap for holding a magnifier for and magnified viewing during process.



SSS-742 TABLET MAKING MACHINE

Single punch for making tablets upto 1000mg and as per size of the die and punch 6,9,12mm automatic compression and ejection device with each revolution of the wheel drive.



Particulars
Single Punch Hand Operated
Motorized

SSS-744 DISINTEGRATOR (Lab Willey Grinder)

Heavy duty body with polished hopper 2" dia with cover. Three delivery sieves 20, 40 and 6 mesh respectively, each with plastic receiver. One moveable glass plate forms the face of the chamber and permit observation during operation. To work on 220V AC.



SSS-743 DE HUMIDIFIER

We are engaged in manufacturing high grade dehumidified water condensing type, based on refrigeration cycle to avoid use expensive chemicals required for desiccant type models. The unit is self-standing and is mounted on a sturdy angle iron filled with caster wheels. Desiccant dehumidifier removes the moisture from the atmosphere and fitted with hermetically sealed compressor heat exchange and water condensing coils are made of copper. Water collection tank is provided below the unit to collect condenser water. Humidity is controlled by automatic humidistat incorporated in the unit, up to 30% +3% rh, depending upon the ambient conditioners. To achieve very humidity, the room should have an independent window type air conditioner to match with the dehumidifier heat load in the room.



Capacity
1.5 Tons
2 Tons

SSS-745 ABBE REFRACTOMETER

ND Range : ND 1.300 to ND 1.700 in dtep of 0.001

Accuracy : ± 0.0002

Sugar (Percentage): 0 to 95 % in steps of 1 division

Accuracy : 0.5%
Temperature : 0-1000 C





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SSS-746 LEAK TEST APPARATUS

Ideal instrument to check blister packs, strip for leak test. The instrument is equipped with long lasting diaphragm vacuum pump which gives higher lever of vacuum in shortest possible time. Dia pressed polycarbonate vacuum dessicator sustains vacuum for long time. A vacuum gauge is provided to indicate vacuum level which is connected to isolation valve to disconnect the source, thus avoiding the need of continous running of vacuum pump. A 0-5 minutes digital timer helps the operator to do other works. Complete in GMP stainless steel body with phenomenal compactness.



SSS-747 LYPHOLIZER (Freeze Dryer)

Temperature range upto -40°C maintained by hermetically sealed compressor and controlled by digital temperature controller cum indicator with vacuum indicator. **Capacity** 3.25 Ltrs. & for 6 tests. **Temperature** : - 40°C, - 55°C & - 80°C.



SSS-748 STUDENT POLARIMETER

Consists of Lurent half shade, polariser analyzer, brass scale graduated from 0 to 3600 or 0-1800 with vernier reading 6" and accommodates a 200mm. Glass tube.



SSS-749 OPERATION TABLE FOR ANIMAL

Complete with steel frame for greater stability. Table top made of stainless steel size 127x45cm. In two halves sloping towards their central drain, warming chamber, castors, moving handles with animal holder & stainless steel tray and two moveable uprights.



SSS-750 STERILITY TEST

It is as per our standard design it consists of stainless steel flask with stainless steel clamps and stainless steel support screen made out stainless steel 316 quality single station without stand.



SSS-752 TABLET POLISHING PAN

Detachable polishing pan for use with coating pan made of mild steel provided with inner lining of superior canvas cloth. Inner dia 12", high 8" with opening of 7" dia. Neck.



SSS-751 TABLET COATING PAN

Tablet coating pan 12" dia stainless steel, the machine is worked by oil immersed gear box with F.H.P. Motor drive. Air blower is operated independently and air is thermostatically controlled to give temperature 30 to 100C. Switches for motor, blower, heated and thermostat are fixed on a panel with neon indicators. Also main lead with 15 amp plug provided.



SSS-753 RESEARCH POLARIMETER

Used in medical, pharmaceutical and chemical research laboratories. Consists of a imported half shade Nicol Polariser, analyzer 100mm. Diameter circular scale divided in degrees 0-360 Deg. X1 Deg. And a sugar scale divided 30 Deg. To + 130 Deg. ISS, a divided micrometer drum is given to read 0.05 Deg. (3 minutes) and 0.1 Deg. ISS, the scale is properly illuminated for taking reading, the body is very sturdy and separate sodium lamp is stand is provided. Complete with polarimeter tube, bubble traps at the center, 200mm.





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SSS-754 MARRY TAMBOUR 18mm



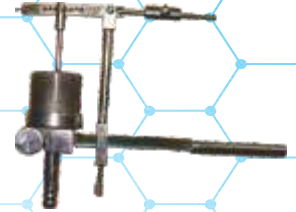
SSS-755 MOSSES ARGOGRAPH



SSS-756 PERMEABILITY CUP



SSS-757 PISTON RECORDER



SSS-758 HAND GRIP DYNAMOMETER



SSS-759 HAND REFRACTOMETER



SSS-760 LIPSTICK MOULD

Particulars
4 Hole
6 Hole
12 Hole



SSS-761 SUPPOSITORY MOULD

Particulars
2 Hole
4 Hole
6 Hole
12 Hole



SSS-762 LUCAS MOIST CHAMBER



SSS-763 HAND GRINDING MILL



SSS-764 KYMOGRAPH HIGH SPEED

A kymograph is a device that draws a graphical representation of spatial position over time in which a spatial axis represents time. It basically consists of a revolving drum wrapped with a sheet of paper on which a stylus moves back and forth recording changes of phenomena such as motion or pressure.



SSS-765 PERIMETER

Our Perimeter Lister Type is automatically record the field to 90 degree in all meridians. It is widely used in Institutes, Medical Colleges, Industries, Pharmacy colleges and Pharmaceutical Industry, Laboratories, Hospitals. Our professionals use quality tested raw materials and advance techniques as per the set industrial norms. Offered in various designs and other specifications, this product is offered to our valuable patrons at market leading prices. We also ensure to our customers that, this Perimeter With Chart Lister Type is delivered to our customers in stipulated time frame.

SSS-766 HUMIDIFIER

Humidifier is basically an Atomizing Humidifier of splash plate rotating disc type. Designed to give relative humidity as high as up to 95% RH in enclosed areas. Humidifier is a portable unit body made of aluminum/Stainless steel. Capable of atomizing up to three litres of water in an hour at full evaporation in the driest possible ambient conditions. Provided with automatic float valve assembly to work on 220VAC.





PHARMACY LAB



SSS-767 HIGH TEMP MUFFLE FURNACE

The unit is specially designed to meet the requirement of High Temperature 1400°C, the casing is made of M.S. reinforced with iron angles duly painted, Chamber made of Ceramic Zirconium Board and elements are placed horizontally in the chamber. Heating is done by imported Silicon Carbide Rods duly controlled by accurate step down Transformers (Air cooled), it saves energy upto 30% with easily replaceable Carbide Rods. These Furnaces have outstanding Temperature reliability and has large surface radiation ratio to enhance thermal efficiency and power consumption. Control panel is fitted with Digital Temperature Indicator cum Controller upto 1400°C Control panel is provided separately having Ammeter Volts Meter and Digital Controller, etc. Maximum Furnace Temperature upto 1400°C, working Temperature upto 1350°C opera table in 220 Volts Single Phase AC supply.

SSS-768 CARBON & SULPHUR APPARATUS

Carbon sulphur apparatus is used to detect the percentage of carbon and sulphur in iron and steel, the scale of apparatus burette is directly calibrated in terms of carbon percentage, the apparatus can detect carbon percentage up to 4. 5%, by using interchangeable burette the measurement can be taken to 0. 23%, 0. 5%, 1. 5% and 4. 5%, the apparatus furnace attains required temperature rapidly and a high accuracy pyrometer indicates the temperature of furnace. It can be used to detect carbon, sulphur or both.



SSS-769 STUDENT PHYSIOGRAPH

- Indigenous Single Channel (3+1)
- Easy to Operate-even by a beginner
- Designed on the concept of coupler for specific recordings
- High Sensitive, Rugged, Versatile, Accurate, Reliable
- Data Acquisition System to convert data from Physiograph to a computer with HRV and independent ECG recording system.
- Facility to record Bio-Electrical potential e.g. EEG, ECG, ENG, EMG, Pulse, Respiration, Blood Pressure etc.

SSS-770 POLYGRAPH

- Up to 16 channel Acquisition
- Parameters: ECG, EEG, EOG, EMG, ENG, Nerve Conduction, PFT
- Wave over-lap facility
- Pulse analysis
- Heart rate variability analysis
- Identify frequency component of EEG signal delta, theta, alpha and beta with FFT function
- PC Connectivity



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PHARMACEUTICAL MACHINERY



SSS-771 TABLET PRESS MACHINE

Capacity	129000 tablets/hr
Automation Grade	Automatic
Voltage (V)	440
Material	Ss316
Depth Of Fill	20mm
Upper Punch Penetration	1.5 - 8 mm
Number of station	27
Type of Tooling	D
Max Output tablets hour	1, 29,000 (40 RPM) Max.
Operating Pressure	10 Tons
Max tablet diameter	25 mm
Main electrical motor	5 HP X 1440 RPM X 3 PH X 415 V X 50 Hz

Technical Specification:

Machine type	AEI-45D	AEI-61B	AEI-69BB	AEI-75BB
Number of Station	45	61	69	75
Output-Tablets/Hr.* Maximum	324000	439200		496800
Max. Operating Pressure-Main(kN)	100	65	65	65
Max. Operating Pressure-pre-compression(kN)	10	10	10	10
Max. Tablet diameter	25 mm	16 mm	11 mm	11 mm
Max. Depth of Fill	20 mm	17.5 mm	17.5 mm	17.5 mm
Upper Punch entry penetration- Main(mm)	3 to 8			
Power Total(kW/hp)	8.75/11.70			
main electric Motor(kW/hp)	7.50/10.00			
Electrical Supply	(a) 415V/3Phase/50 Hz (b) 480V/3Phase/60 Hz (c) 220V/3Phase/60 H			

Salient Features:

- 54000 Speed Double Sided Rotary Tablet
- Press suitable for large batch production.
- Conforming to stringent cGMP norms.
- All tablet parameters can be fine tuned during operation from outside the tableting zone.
- This machine is available with pre-compression roller, Ability to compress variety of products easily.
- ACVF drive for main motor.
- This machine is having bottom driven rotary force feeder, ensure higher weight consistency, separate
- AC variable drive for force feeder motors.
- Easy accessibility for quick cleaning and product change over.
- Precise weight control by calibrated SIEKO dials.

SSS-772 SALT TABLET PRESS MACHINE

Salient Features

- In compliance with cGMP standard.
- Higher output suitable for large batch production.
- Force feeder attachment is a standard features, so higher weight consistency of tablets.
- Interlocked guards, for safety.
- Internal helical gearing and pinion drive for a smooth running of the machine.
- Easily removable bottom driven rotary force feeders.
- ACVF drive for the main motor & also ACVF drive for feeder motors.
- Electromagnetic clutch.
- All the tablet parameters can be set from outside of the tableting zone.
- Heavy duty advance design of overload compression spring system, eliminates hydraulic cylinders & accumulator cylinder.
- No maintenance of hydraulic cylinder & accumulator cylinder.
- Continuous lubrication pump for turret helical gear & pinion.



- One shot lubrication pump is provided for lower roll pins.
- Lower punch seals in a turret.
- 3 types of filling cams.
- Upper punch penetration.



PHARMACEUTICAL MACHINERY

SSS-773 LAB MINI TABLET PRESS

Voltage (V)	440 V
Number Of Station	8 to 10
Depth Of Fill	17.5 mm to 20.5 mm
Capacity	14000 TABLETS/HOURS
Overall Dimension Mm	480 mm x 670 mm x 1050 mm
Upper Punch Penetration	2 - 6 mm
Max Operating Pressure	6 Tons
Max Tablet Diameter	22 mm
Main Motor	1.5 K.W. / 2 H.P., 3 Phase, 1440 RPM, 50 Hz
Net Weight	365 Kg.
Gross Weight	550 Kg

We are manufacturer and supplier of Lab Mini Tablet Press to our prestigious clients. These products are manufactured by our expected professional using by excellent graded material procured from our reliable sources. Lab Mini Tablet Press offered by us are highly appreciated by our clients.

Features:

- Fine finish
- Long life
- Excellent performance



SSS-774 SINGLE SIDED ROTARY TABLET PRESS MACHINE

Capacity	40000 TABLETS/HOUR
Model	SINGLE ROTARY TABLET PRESS
MATERIAL	Ss316
NO OF STATION	12 to 20
MOTOR HP	5 HP
VOLTAGE	440 V
Turret RPM Max	40 RPM
Max Depth of Fill	17.5 to 20.5 mm
Diameter of Punch	18.99 mm to 25.34 mm
Overall Dimensions	980x1020x1820 mm

We are offering Single Sided Rotary Tablet Press Machine (Square GMP Model) to our prestigious clients. Our Single Rotary Tablet Press Machine is manufactured using the high class of raw materials procured from the most trusted sources in market. Machine offered by us are available at market leading price. It is very useful for small to medium batch size production. Easy to operate and maintenance makes this machine very popular amongst our clients.

Features:

- Heavy duty construction of the machine with C.I body and C.I middle plate
- Easy cleaning & quick change over of dies & punches
- Upper Punch penetration is provided as a standard features
- Upper pressure roller & lower pressure roller is made of OHNS material
- Double sided lifting cam is provided for safe movement of Upper punches.
- Interlocking to all upper guard is provided as a safety features
- Electronics digital tablet counter/rpm meter is provided in front control panel





PHARMACEUTICAL MACHINERY



SSS-775 DOUBLE CONE BLENDER

Capacity	120 Liters(50 Kg)
Automation Grade	Semi-Automatic
Motor Power(Kilowatt)	3 HP
Rotation speed (RPM)	40 RPM
Voltage(Volt)	440 V
Phase	3 Phase
Body Material	Ss304

Salient Features

- Available in standard cGMP and customized models with SS 304/316/316L contact parts. The conical shape at both ends of double cone blender enables uniform mixing and easy discharge.
- Manual rotating facility with hand wheel for inching. The same will be provided.
- Worm reduction gear used for speed reduction.
- Safety guards provided with limit switch to achieve maximum safety level.
- Modern PLC with manual operating system.
- Available in batch capacities ranging from 50 KGs to 3000 KGs, as per client's requirements, depend on bulk Density.



SSS-776 OCTAGONAL BLENDER

Capacity	600 Liters
Voltage (V)	440 V
Motor Power	3 HP
Phase	3 Phase
Automation Grade	Semi-Automatic
Material	SS 316
Model	Octagonal

Salient Features

- Octagonal blender is suitable for Dry Blending of powders / granules. Available in standard cGMP and customized models with SS 304/316/316L contact parts.
- Give best result for granules due to slow RPM and the octagonal shape.
- Provide with limit switch for operator's safety.
- Bigger batch size at low power consumption.
- Modern PLC with manual operating system.
- Available in batch capacities ranging from 50 KGs to 3000 KGs, as per client's requirements, depend on bulk Density.



PHARMACEUTICAL MACHINERY

SSS-777 V BLENDER

Capacity	50 kgs to 3000 kgs
Model	V Blender
Design Type	Standard
Material	Ss316
PHASE	3 Phase
USE FOR	Mixing Powder

Salient Features

- Available in standard cGMP and customized models with SS 304/316/316L contact parts. Efficient and versatile machinery for mixing and lubrication of dry powders homogeneously.
- Best result achieved due to the suitable medium speed (RPM) and the 'V' shape of the container.
- The 'V' shape gives sufficient continuous movement to the particles there by resulting in better quality blending.
- Provide with limit switch for operator's safety.
- Modern PLC with manual operating system.
- Available in batch capacities ranging from 50 KGs to 3000 KGs, as per client's requirements, depend on bulk Density.



SSS-779 MASS MIXER

Capacity	50 kgs to 500 kgs
Model	Mass Mixer
Design Type	Standard
Usage	Dry & Wet Mixing Of Powder
Application	Pharmaceutical Industries

- Design is cGMP current Good Manufacturing Practices Compliance.
- All contact parts AISI 316 & non contact parts AISI 304.
- Uniform Mixing with paddle blade stirrer.
- Self adjusting sealing arrangement to avoid entire black particles.
- Tilting device for easy unloading and cleaning.
- The interlocked acrylic covers of product container, enclosed drive & overloads relay protection.

SSS-778 OSCILLATING GRANULATOR MACHINE

Capacity	30 to 200kg/hr
Voltage (V)	440
Power Supply	1 HP / 1440 RPM / 3 Phase
Automation Grade	Semi-Automatic
Frequency (Hz)	50
Material	Ss316
Drum Speed	55 (r/min)
Granulator dia	0.8-5mm
Hopper Size	35 Litres
Machine Dimension	710x420x1220 mm
Discharging Height	630 mm
Charging Height	1106 mm
Oscillation	110 per Minute
Screen Area	388x762 mm





PHARMACEUTICAL MACHINERY



SSS-780 VIBRO SIFTER

Automation Grade	Semi-Automatic
Voltage (V)	440
Frequency (Hz)	50
Is It Portable	Portable
Capacity	20 to 300 kgs
Model	Vibro Sifter
Material	Ss316
Overall Dimensions	870x965x1630 mm ht

Manufacturer of high speed Vibro Sifter machine including 20" vibro sifter machine, 30" vibro sifter machine, 36" vibro sifter machine, 48" vibro sifter machine and 60" vibro sifter machines for pharmaceutical tablet press. Vibro shifter has a circular gyratory screen that is used to separate mass composition of solids and liquids according to their grades and particle sizes. Vibration is generated in three different planes along the vertical axis by means of a specially designed vibratory motor that is designed especially to meet various requirement of our clients global wide.

SSS-781 COLLOID MILL

Output (L per hr.)	145 TO 1400
Motor Speed (rpm)	2850 RPM
Drive Motor (hp)	5
Driven Source	Belt Driven
Phase	3 PHASE
Voltage (V)	440 V
Hopper Capacity (L)	20 Liters
Frequency	50 Hz
Automation Grade	Semi-Automatic
Height	1035 mm

Backed by rich experience we are manufacturing and exporting Colloid Mill to our reputed clients. The machine offered by us are available at industry leading price. We are committed to offering the excellent class of product keeping in mind requirements of our client that are manufactured in our unit under the guidance of our expert professional.



SSS-782 DUST EXTRACTOR MACHINE

Usage	Tablet Manufacturing Plant
Case Dimensions	35x29x40 Inches
capacity	150 CFM
POWER	1 HP
Filtration Area	9 sq. ft.
Net Weight	80 Kgs
Storage Capacity	25 ltr. to 40 ltrs.
Inlet Manifolds Four	4 Nos. of Dia 1 1/2" (38.1) 1 No of Dia 50 mm
Gross Weight	100 Kgs

We Strongly recommend the use of Dust Extractor Machine Unit with all the Rotary Tableting Machines in order to control the flying dust generated during the compression of tablets. With the use of this unit, dust in Tableting Machines is kept to a minimum but it is difficult to eliminate it entirely.



PHARMACEUTICAL MACHINERY

SSS-783 CARBONATED FILLING MACHINE SEMI AUTO FILLER

Model	2 HEAD FILLER	4 HEAD FILLER
Production capacity 500 ml. (bottle/hour)	450-500 bottles/hr	750-800 bottles/hr
Suitable Bottle Height	200ml - 2 ltr	200ml - 2 ltr
FILLING TYPE	COUNTER PRESSURE FILLING	
Filling Temperature	0-4 C	0-4 C
Dimension	1100 X 1100	1100 X 1100
Weight (APPROX)	600kg.	750kg.



SSS-784 HOT JUICE 4 HEAD JUICE FILLER

Model	4 HOT FILLER	8 HOT FILLER
Production capacity 500 ml. (bottle/hour)	700 -800 BPH	1100-1200 BPH
Suitable Bottle Height	200ml - 2 ltr	200ml - 2 ltr
FILLING TYPE	VACUUM CUM GRAVITY	
Filling Temperature	70-75 C	
Dimension	1500 X 600 X 1800	1500 X 600 X 1800
Weight (APPROX)	600kg.	750kg.

SSS-785 MINERAL WATER 2 IN 1 MINERAL WATER

Introduction :

The demand for mineral water is increasing at a rapid rate, as people become more health conscious and take precautions against water borne diseases. Bottled mineral water provides easy transportability and assured water quality. The various machines and equipment being offered by us is explicitly listed here.

This does not include miscellaneous items like pipes, electricals etc., which are specific to the site and each project. If the quality of the raw water is good it may not be necessary to use some of the above equipment and consequently the cost can come down. Tanks for Raw water, and alum dosing are to be provided by the client. The output water purification would be in line with Who Specifications - However final results depend on input water quality.

The Project Involves Machinery For

Purifying Water, Bottle Manufacturing., Bottling Purified Water., Labelling.

Model	12-6	18-6	24-8
Heads of filling, & Capping	12-6	18-6	24-8
Production Cap. 500 ml. (bottle/hour)	2500-3000 bottles/hr	4000-5000 bottles/hr	7000-8000 bottles/hr
Suitable bottle height	200ml - 2 ltr	200ml - 2 ltrs	200ml - 2 ltrs
Filling Temperature	Normal		
FILLING TYPE	Gravity Filling		
Dimension	1900 X 1600 X 2100	2000 X 1800 X 2100	2100 X 2000 X 2200
Weight	2500kg.	3000kg.	3500kg.





MICROSCOPE



SSS-786 AUTOMATIC LIQUID PACKAGING MACHINE

It is widely used for various kinds of liquid packaging. Such as, milk, soybean milk, fruit juice, beverage, ice drink, soy sauce, vinegar and wine, It uses single lay film PE as packaging materials. It can automatically sterilized by ultraviolet radiation, bag molding, print the code, precisely fill, seal and cut at one time. This series has been long-tested and its performance enjoys a very high reputation from our clients that this series is easy to operated and run smoothly with low failure rate.



Capacity	Volume	Power	Firm width	Weight	Size
1500-2200bags/Hour	200ml-500ml can be adjust	220v/380v 1.6kw	320mm/240mm	400kgs	970X870X1970mm
1500-2200bags/Hour	300ml-1000ml can be adjust	220v/380v 1.8kw	320mm/380mm	450kgs	1100X900X2100mm
1500-2200bags/Hour	200ml-1000ml can be adjust	220v/380v 1.8kw	320mm/240mm	500kgs	1050X870X2100mm

SSS-787 GLASS BOTTLE FILLER 2 IN 1

Introduction :

our filling machines are efficient, operator friendly and maintenance free due to superior technology.

Bottle Filling Machinery :-

This is highly versatile machine for filling foamy as well as other liquids into containers. It has a unique bottle separation method in which no turret or holding slides are used. This machine fills the liquid using the Syringe principle and is very easy to use. Turntable is provided for bottle filling.



Model	12-6	18-6	24-8
Heads of filling, & Crowning	12-6	18-6	24-8
Production Cap. 500 ml.(bottle/hour)	2500-3000 bottles/hr	4000-5000 bottles/hr	7000-8000 bottles/hr
Suitable bottle height	200ml - 2ltr	200ml - 2ltrs	200ml - 2ltrs
Filling Temperature	0-4 C	0-4 C	0-4 C
FILLING TYPE	Counter Pressure Filling		
Dimension	1550 X 1350	1550 X 1350	1800 X 1500
Weight	2500kg.	3000kg.	3500kg.

SSS-788 S.S. STORAGE TANKS

We deal in a wide variety of S.S. storage tanks that are fabricated by our manufacturers to meet the demands of several industries. These tanks reduce any kind of inconvenience and are thus easy to use. These can be installed in areas with space constraints so that these are highly demanded by our clients.





MICROSCOPE

SSS-789 MALARIA DETECTION MICROSCOPE

Upgrade your light microscope into an LED/ Halogen fluorescent microscope at a fraction of the cost – use in the same way as a traditional fluorescent microscope. The Advance fluorescent microscope attachment is a cutting-edge attachment designed to provide the many benefits of LED fluorescence microscopy to any light microscope. LED fluorescence microscopy offers improved detection of many infectious diseases. Digital video and image capture is also available.



SSS-790 FLUORESCENT RESEARCH MICROSCOPE

Focus: Upright microscope with coarse and fine focus knobs. Built-in Eco switch & possible to upgrade.

Eyepieces: 10X magnification, with diopter adjustment facility with field of view of 22mm or higher.

Nosepiece: Septuple nosepiece with slots for DIC/Polarizing Attachments

Objectives: The following objectives suitable for bright field, phase contrast & fluorescence microscopy should be quoted:

1. Plan Achromat 10X
2. Plan Achromat 20X
3. Universal Plan fluorite 40X
4. Universal Plan fluorite 60X
5. Universal Plan fluorite 100 X Oil



SSS-791 FLUORESCENT INVERTED MICROSCOPE

Inverted & Reflected Fluorescence Microscopes is composed with inverted microscope and reflected fluorescence microscope, equipped with long working distances plan achromatic objectives and wide field eyepieces, you can use long working distance phase contrast.

objectives and special long working distance condenser with phase contrast unit when inverted observation, and change the fluorescence excitation system freely. The microscope has clear image, wide field, compact framework, beautiful sculpt and comfortable operation etc. It's mainly applied to observe the living cell and tissue, liquid and deposits etc, also to observe transparent living without staining and fluorescence slice up, it is the ideal instrument for researching in biology, cells cytology, oncology, genetics, immunology etc. The microscope can be used for scientific researching, medical treatment, epidemic prevention and animal husbandry etc.



SSS-792 METALLURGICAL MICROSCOPE

The details specification of Metallurgical Upright Microscope is as follows: Monocular indeclinable body having coarse and graduate fine motion knobs, Incident light through epi-illuminator with iris diaphragm and slot for filters, equipped with triple revolving nose-piece, special graduate detachable mechanical stage for x-y movement of specimen, supplied with a daylight blue filter in mount, a spare bulb, vinyl cover, complete in a plywood storing cabinet with following optical combination:

Ach, Objectives: M 10x and 15x

Huy. Eyepieces: 10x and 15x

With achromatic objectives.

With Achromatic objectives assembled from imported hard coated lenses for anti-reflection.





MICROSCOPE



AEI-BMM-097 BINOCULAR METALLURGICAL MICROSCOPE

We often metallurgical microscopes are used as measuring instruments for measuring thin films and electroplating coatings, inclusions, surface defects, and grain size. We often metallurgical microscopes are used as measuring instruments for measuring thin films and electroplating coatings, inclusions, surface defects, and grain size.

AEI-BPP-098 BINOCULAR POLARIZING PETROLOGICAL ORE MICROSCOPE

Microscope frame for transmission and reflection mode polarization microscopy with built-in filter holders . Infinity Corrected.



AEI-MIM-099 METALLURGICAL INDUSTRIAL MICROSCOPE

Flexible system, excellent imaging performance and stable system architecture. Professional used in industrial testing and metallographic analysis. Integrated bright-field, darkfield, oblique illumination, polarizing, DIC differential interference and other observed functions, according to the practical application of functional selection.



SSS-800 INVERTED TISSUE CULTURE MICROSCOPE

Inverted Tissue Culture Microscope with quadruple revolving nosepiece, equipped with Trinocular Observation Head and best quality optical components having full prismatic optical path, large Co-axial Mechanical Stage of size 165mm. x 180mm., co-axial coarse & fine focussing knobs with adjustable tension control ring, variable intensity controlled built in base solid-state transformer, fitted with 6V 20Watt Halogen bulb.

SSS-801 RESEARCH INVERTED METALLURGICAL MICROSCOPE

Side & top with eyepiece tube Binocular observation head inclined at 30°, interpupillary distances adjustment range from 55 to 75mm.
Main body : All parts die cast to provide long life & good mechanical strength. Co-axial focusing control knobs, tension adjustment ring & pre focusing lock.
Eyepiece : 10x (16mm).
Objectives : PL10x, PL25x, PL40x, PL60x (optional).
Nosepiece : Quadruple nosepiece revolves on ball bearing.



SSS-802 BULL TYPE DISSECTING MICROSCOPE



SSS-803 DISSECTING MICROSCOPE





MICROSCOPE



SSS-804 PROJECTION MICROSCOPE 12"

Bright fields, knob condenser NA 1.25 with iris Diaphragm and swing out filter holder is provided, which can be operated through a rack pinion knob.

Higher resolution optics for true colour & contrast

Focusing is done by vertical movement of stage, coarse adjustment by rack & pinion and fine movement by screw lever mechanism, driven by graduated knob

Achromatic objectives 4X, 10X, 20X, 40X (SL)

SSS-805 PROJECTION MICROSCOPE

- Microscope Body is heavy duty, an inclined monocular type with the sturdy base.
- Equipped with Coarse & Fine Focusing systems with Quadruple revolving Nose Piece.
- Plain stage (120x120mm) with graduated Mechanical Stage for X-Y movements of specimen slide.
- Built-in light by 6V-20W halogen lamp with continuously variable light intensity control.
- The whole system of condenser & light arrangement is moveable up & down by rack & pinion to get the optimum results.
- Objectives : Achromatic 10x & 20x/40x (SL)
- Projection Eye Piece: 10x (Huy)



SSS-806 MEDICAL MICROSCOPE WITH METAL STAGE

- Fixed square stage 120mm x 120 mm with Detach all graduated M. Stage
- Focusing by coarse & fine adjustment with graduated, scale, M.Stage.
- Illumination by plano concave mirror in fork mound.
- Eye Piece 5x/10x
- Objective 10x/40x/100x oil immersion

SSS-807 STUDENT MEDICAL MICROSCOPE

Magnification : 20x to 1500x

Stand : Robust and stable, inclinable through 90 degrees. Mechanical tube length 160mm.

Focussing : Separate knobs for coarse and fine motion.

Stage : Fixed square stage 120 x 120 mm size with mechanical stage having travel range 30 x 76 mm with graduated scales and vernier.

Illumination : Plano concave mirror on gimble mount. Optionally available attachable 20w lamp for 220v or 6v, 20w with transformer.

Nose piece : Quadruple-revolving

Objectives : 10x & 45x (s. L.) with 100x oil immersion.



SSS-808 STUDENT MICROSCOPE WITH FIXED CONDENSER

Para focal, precentred, high numerical aperture, high resolution

Stand : All metal constructed body with properly balanced, inclinable arm up to 90 degree for easy viewing

Focussing : Separate coarse fine focusing knobs

Stage : Full square stage 112 x 112 mm size with stage clips

Objectives : 10x & 40/45x (s. L.)

Eye pieces : 10x & 15x

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MICROSCOPE



SSS-809 RESEARCH TRINOCULAR MICROSCOPE

Trinocular observation head inclined at 45°, rotateable through 360°, interpupillary distance adjustment ring 54-74mm, dioptic adjustment ring on the left having adjustable dioptic scale.

Main body : All part die cast to provide long life & good mechanical strength. Coaxial focusing control with ball bearing guide way & large knobs. Pre focusing/ auto focusing lock & tension adjustment ring.

Eyepiece : High eye point wide field 10x, (f. N. 20) or 15x paired.

Objectives : Din objectives 4x, 10x, 40/45x s. L. 100x oil immersion (s. L.).



SSS-810 CO-AXIAL BINOCULAR MICROSCOPE

- Frame All aluminium pressure die-casted body.
- Paint P.U. coating in light cream shade.
- Binocular head 360° rotate able and 45° inclined head with all anti-fungus coated prisms.
- With slide protection lock. Mechanical stage CxI Ball bearing double-plate mechanical stage

SSS-811 BINOCULAR MICROSCOPE CO-AXIAL STAGE

With Binocular head, quadruple revolving nose piece, detachable graduated mechanical stage and bright field condenser N.A 1.25 with iris diaphragm, illumination with built In step down transformer and tungsten bulb 6V, 21 watt in box with lock and key, complete with optics. Huygenian Eye Pieces 5X, 10X and 15X (any two pair) Achromatic objectives 10X, 40X, & oil.



SSS-812 BINOCULAR MICROSCOPE

The future of classroom microscopy with crisp sharp image, very much convenient in working, easy to move, light weight, durability, ergonomic design and affordable prices. It became an ideal instrument for school labs, medical institutes, colleges and universities.

- | | |
|--------------|--|
| Viewing Head | : Binocular tube, 45° inclined, 360° rotateable |
| Eyepiece | : Wide Field eyepiece WF 10x, FOV 18mm |
| Nosepiece | : Quadruple nosepiece (Ball bearing type) |
| Objective | : Semi-PLAN DIN Objective 4X, 10X, 40X (S) and 100X Oil, (S) |

SSS-813 GEMOLOGICAL MICROSCOPES

- Viewing Head : Inclined Trinocular
- Eyepiece : WF 10X
- Objective : Zoom 0.75x-5x
- Incident Light : Halogen lamp 12V/10W.
- Transmitted Light : Halogen lamp 12V/10W.
- With Jewel tweezer
- Darkfield working stage
- Working Distance:90.5mm



MICROSCOPE



SSS-814 DIGITAL STEREO ZOOM MICROSCOPE

- digital microscope adopt parallel light path optical system, zoom body magnification 0.7X-4.5X
- It has a High Definition HDMI camera for crisp performance along with 11.6 inch Industrial HD screen.



Zoom body	0.7X-4.5X high resolution zoom lens, ratio 1:6.4
Total magnification	7x-45x magnification
LCD monitor	11.6 inch full HDMI monitor
Camera	2 million HDMI 1080p industry camera
Illuminator	Adjustment LED ring light
Stand	320*260mm black base

SSS-815 LCD DIGITAL MICROSCOPE

Objective : All objectives are antifungal coated long barrel at the highest numerical aperture such as(Plan) PL4X NA0.10, PL 10X NA0.25, PL40X NA0.65(S.L.) and PL100X NA 1.25 oil immersion(S.L.) for brilliant.

Eye Pieces: High eye point antifungal and antireflected extra wide field 10x/20mm paired eyepiece.

Trinocular Head: All prism have anti-reflected and antifungal coatings. Having 30o inclination, 360o rotatable.

Nose Piece : A reversed type nosepiece running on ball-bearing balls ensures a smooth motion.

Mechanical Stage : Co-axial coarse & fine focusing mechanism.



SSS-816 DIGITAL INVERTED METALLURGICAL INDUSTRIAL MICROSCOPE

EyePieces: WF 10X-18mm, WF 12.5X-14mm
 Reticule EyePieces: WF 10X-18 mm (Cross Reticule 0.1mm)
 Objective LONG WORKING DISTANCE PLAN Objective 10X/0.25, 20X/0.4(S), 40X/0.65 (S) and 100X/1.25 (S, oil)
 Head :Trinocular Head Inclined 30°, Rotatable 360,
 Interpupillary Distance: 50-75mm with adaptor
 Nosepiece: Quadruple
 Mechanical Stage: Stage Size: 172X142mm, Travel: 75mmX55mm, stage ø10, ø 20, Stage micrometer 0.01 mm
 Focus: Coaxial Coarse and Fine Focusing Knobs
 Illumination: 6V/30W Halogen Lamp, ISO-CE
 Filter: Blue, Green, Grey and Amber
 Polarizing: Polarizing and Analyzer Slide
 LED TV/Monitor
 LED Size: 10.1" LED Screen with fully touch panel
 Processor: Intel Atom 1.66Ghz (Dual Core).
 Hard Disk : 32GB
 RAM : 2GB DDR2
 Operating System: Microsoft Windows 7 and 8
 webcam: 1.3MP front. Easy to use.
 Slots: 2 USB slots, USB mouse, Wi-Fi, RJ-45 for internet connectivity.



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HEATING & COOLING EQUIPMENT



SSS-817 HOT AIR UNIVERSAL OVEN (MEMMERT TYPE)

Standard double wall construction. Outer made of mild steel dully enamel painted or powder coated paint, inner made out of anodized aluminum or stainless steel sheet. Heating elements provided at bottom & two sides temperature controlled by hydraulic type of thermostat or Digital temperature controller. Temperature +5°C Ambient to 250°C with accuracy ±1°C. To work on 220V.

Internal Dimension Capacity (in millimeters)	
300 x 300 x 300	28 Ltrs.
355 x 355 x 355	45 Ltrs.
455 x 455 x 455	95 Ltrs.
455 x 455 x 605	125 Ltrs.
605 x 605 x 605	252 Ltrs.



SSS-818 OVEN INDUSTRIAL (Drier)

Double wall construction body is fabricated on heavy duty angle channel frame outer & inner made of Mild Steel sheet. The Gap between the two wall of 75mm is filled with high temperature resistant glass wool. Temperature range ±10° Ambient to 300° C controlled by digital temperature controller cum indicator with inbuilt timer.

Size in mm	Size in Inches
900 x 600 x 600	36 x 24 x 24"
1200 x 900 x 600	48 x 24 x 24"
900 x 900 x 900	36 x 36 x 36"
1200 x 900 x 900	48 x 36 x 36"
1200 x 1200 x 1200	48 x 48 x 48"
1500 x 900 x 900	60 x 36 x 36"



SSS-819 BOTTLE DRIER

Standard double wall body and double door provided with digital temperature controller both sides opening. Forced air blower also provided. Temperature range to 200°C ± 5C for 18 x 15 x 6" crates.

For 8 Crates, For 10 Crates, For 12 Crates, For 16 Crates, For 20 Crates, For 24 Crates

SSS-820 TRAY DRIER

Body is fabricated on heavy duty angle channel frame with outer body made of Mild Steel sheet dully painted in hammer tone paint or in powder coating paint and inner body made of Stainless Steel sheet. Air circulation fan blade motor is given to circulate the heat in the chamber and to maintain equal temperature on all sides. Temperature range +5°C ambient to 200°C controlled by digital temperature controller cum indicator with a high class panel attached on the body.

Size of Drier	Tray Size
For 12 Tray Provision	16x32x1¼ "
For 24 Tray Provision	16x32x1¼ "
For 36 Tray Provision	16x32x1¼ "



SSS-821 VACUUM OVEN

Double walled fabrication, outer made of heavy duty mild steel and inner made of heavy stainless steel. Exterior finished in stoving enamel paint or powder coated paint. Temperature range ambient to 130°C ± 2°C controlled by hydraulic thermostat or digital temperature controller. Capable with stand vacuum to 760mm hg. workable on 220V AC. see through end glass window provided. Vacuum gauge also provided along with a shelf.

Size of Chamber in MM	Capacity
300 x 300mm	22 Ltr.
300 x 600mm	44 Ltr.
250 x 250 x 250mm	16 Ltr.
300 x 300 x 300mm	28 Ltr.



HEATING & COOLING EQUIPMENT

SSS-822 BACTERIOLOGICAL INCUBATORS (Memmert Type)

Standard Double wall construction inner body made of high grade aluminum sheet or Stainless Steel and outer body made of mild steel sheet duly painted in powder coated paint. Chamber is provided with groves to hold shelves and to adjust shelves according to the requirement temperature range +5°C ambient to 90°C controlled by thermostat. To work on 220/230V AC. Comes with two aluminum shelves.



Size in MM	Size in Inches
300 x 300 x 300mm	12 x 12 x 12"
355 x 355 x 355mm	14 x 14 x 14"
400 x 400 x 400mm	16 x 16 x 16"
455 x 455 x 455mm	18 x 18 x 18"

SSS-823 B.O.D. INCUBATOR (Bio-Chemical Oxygen Demand)

Double walled construction, inner made out of highly polished stainless steel sheet, outer made of mild steel sheet duly finished in stoving enamel paint or powder coating pain provided with magnetic gasket. Inner door is made of transparent acrylic sheet or operated inner illumination has been provided. Castor wheels are also provided. Temperature range 5°C to 50°C ± 1°C is controlled by digital temp. Controller cum indicator standard cooling unit is installed for low temperature working, inner air circulation system also provided. A control panel with indicators equipment to work on 220V AC.



Inner Dimension in MM	Capacity	Volume
350 x 350 x 400mm	64 Ltrs.	2.0 Cuft.
455 x 410 x 610mm	112 Ltrs.	4 Cuft.
505 x 415 x 830mm	171 Ltrs.	6.1 Cuft.
570 x 550 x 875mm	280 Ltrs.	10 Cuft.

SSS-824 ORBITAL SHAKING INCUBATOR

Standard double construction. Exterior made out of mild steel sheet duly finished in powder coating paint. Inner chamber made of highly polished stainless steel sheet. Double door with glass window. Inter changeable platform has been provided temp. range 5°C to 60°C ± 1°C is controlled by a digital controller. Variable speed control regulator to control speed upto 200 rpm provided.

Capacity

- 9 x 500/250ml Flasks
- 16 x 500/250ml Flasks
- 24 x 500/250ml Flasks



SSS-825 DRY BATH INCUBATOR

Digital, 24 holes for 12mm tubes, +5°C above ambient to 70°C. Temperature sensor PT-100. Maximum heating power 125W, Temperature Controller PID, Timer 1 min to 99 minutes, LCD Display for time & temperature, Anodized Aluminum block 220V AC, Available with Buzzer alarm & overheat protection.



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HEATING & COOLING EQUIPMENT



SSS-826 BLOOD BANK REFRIGERATOR

Double wall fabrication with inner chamber of highly polished stainless steel sheet and external one is made of mild steel sheet duly finished in stoving enamel. Temp. is maintained from 4°C to 6°C by digital temperature controller-cum-indicator and triggers the audio visual alarm in event of fluctuation. Cooling is achieved by hermetically sealed compressor unit. To work on 220V AC.

Capacity (In Liters)	No. of Bags
85 Liters	50 Blood Bags
165 Liters	110 Blood Bags
200 Liters	200 Blood Bags
280 Liters	250 Blood Bags
400 Liters	360 Blood Bags



SSS-827 MORTUARY CHAMBER

Double wall construction inner stainless steel and outer mild steel duly painted with rust proof paint. Trays travel on rollers fitted with ball bearing, trays made of stainless sheet to carry bodies are provided with handles. Temperature Range 2°C to 5°C controlled by digital temperature controller cum indicator to work on 220 Volts AC Supply. Temperature 2° to 5°C.

Capacity	Voltage Stabilizer
Single Body	3 KVA
Two Bodies	4 KVA
Four Bodies	8 KVA
Six Bodies	8 KVA



SSS-828 ENVIRONMENTAL CHAMBER

Outer Powder coated CRC Steel Sheet/Stainless Steel (SS-304)MOC Inner Chamber and trays made of Stainless Steel (SS-304)Temperature Control Fitted with Microprocessor Based Digital Temperature Indicator Cum Controller with LCD display Humidity Control Digital Humidity Indicator-cum-Controller Display LCD Display for Set Value (SV) and Process Value (PV)Type Forced Convection Type Temperature Range Ambient + 5°C to 60°C Temperature Accuracy+0.1°C Humidity Creation Through sophisticated steam injection process Humidity Controller (OPTION)Digital Humidity Indicator-cum-controller with LED display or LCD Display Humidity Range5% above ambient from 55% to 95%RH at cool temperature Humidity Accuracy+3%RH.

Inner Dimension in MM	Capacity	Volume
455 x 410 x 610mm	112 Ltrs.	4.0 Cuff.
505 x 415 x 830mm	171 Ltrs.	6.1 Cuff.
605 x 605 x 605mm	224 Ltrs.	8.0 Cuff.
570 x 550 x 875mm	280 Ltrs.	10.0 Cuff.



HEATING & COOLING EQUIPMENT

SSS-829 HUMIDITY CHAMBER

Standard double wall construction inner chamber made out of highly polished stainless steel sheet outer made of mild steel duly painted in powder coated paint or stoving paint. Temperature range 5°C to 55°C ± 2°C and humidity from 55% to 95% ±3% Rh. Stainless steel water reservoirs heated by immersion heaters provide humidity complete with all accessories.



Inner Chamber Size (In mm)	Capacity
455 x 455 x 455 mm	95 Liters
455 x 455 x 710 mm	147 Liters
605 x 605 x 605 mm	225 Liters

SSS-830 STABILITY CHAMBER

Standard Double wall construction inner/outer chamber made out of highly polished stainless steel sheet of 304 grade. Temperature range 10°C to 60°C ± 0.5°C and humidity from 35% to 95% or less RH controlled by Microprocessor based PID type digital controlled.



Inner Chamber Size (In Inches)	Capacity
21" x 18" x 18"	125 Ltrs.
24" x 24" x 24"	225 Ltrs.
36" x 24" x 24"	336 Ltrs.
48" x 26" x 26"	500 Ltrs.

SSS-831 DEEP FREEZER, -86°C

Double wall construction with PUF insulation between inner and outer wall. Refrigeration system through hermetically sealed compressor inner high grade stainless steel outer made of mild steel sheet duly painted in powder coated paint. Temperature range upto -86°C controlled by microprocessor based digital temperature controlled cum indicator.



SSS-832 DEEP FREEZER, -20°C / -40°C VERTICAL

Double wall construction with PUF insulation between inner and outer wall. Refrigeration system through hermetically sealed compressor inner high grade stainless steel outer made of mild steel sheet duly painted in powder coated paint. Temperature range upto -20°C/-40°C controlled by microprocessor based digital temperature controlled cum indicator.



HEATING & COOLING EQUIPMENT



SSS-833 DEEPFREEZER HORIZONTAL -40° C

Double walled with inner chamber made of S.S and outer of thick PCRC sheet duly enamel painted. Temperature range from ambient to -20° C is achieved by hermetically sealed compressor. Body is mounted on a sturdy angle iron frame and is mounted on castor wheels. Unit is fitted with solid state digital temperature indicator-cum-controller. Horizontal chest models are supplied in a single compartment where as vertical models are supplied with three stainless steel storing shelves

Capacity

4 cu. ft.	375 x 500 x 605 mm
6 cu. ft.	505 x 410 x 830 mm
10 cu. ft.	570 x 550 x 875 mm
12 cu. ft.	650 x 580 x 900 mm



SSS-834 SEED GERMINATOR

Technical Data :

No. Of chamber	:	one (heating & cooling)
Capacity	:	10 cubic feet
Display	:	Digital graphic LCD display
Number of shelves	:	8 shelves of S.S.
Temperature range	:	5-45°C
Temperature resolution	:	0.1°C
Temperature selection resolution	:	0.1°C
Temperature Accuracy	:	0.2°C
Temperature stability	:	±0.5°C
Air circulation	:	1 Fan (minimum)
Temperature uniformity	:	±0.7°C
Relative humidity range	:	100%
Relative humidity resolution	:	1%
Relative humidity selection resolution	:	1%
Relative humidity resolution accuracy	:	± 3%
Relative humidity stability	:	± 3%
Light intensity	:	intensity is adjustable.
Working environment	:	10 - 40 OC
Power supply	:	220-240 VAC/1Ph/50Hz



SSS-835 SEED DRIER

Seed drier is the equipment which is used to dry the seeds in the bad weather conditions and helps to retain high value of seed in the market.

Technical Data:

- Outer body made of thick mild steel sheet duly painted in powder coated / stoving or hammer tone paint inner working chamber made of highly polished stainless steel sheet.
- Temperature range +5° Ambient to 70°C
- Controlled by microprocessor based digital temperature controller cum indicator with inbuilt timer.
- Constant air circulation in the chamber to circulate heat in the chamber and to maintain equal temperature on all sides.





SSS-836 MUFFLE FURNACE

Outer shell made out of thick mild steel sheet duly finished in stoving enamel paint. Fitted with Muffle Block for supporting heating elements working temperature 900°C controlled by superior energy regulator or digital temperature controller cum indicator. Maximum temperature 1000°C. Complete with CI/AL thermocouple with pyrometer, thermal fuse etc. Working Temperature 900°C.



Internal Dimension in Inches	Internal Dimension in mm
9x4x4	225 x 100 x 100
10x5x5	250 x 125 x 125
12x5x5	300 x 125 x 125
12x6x6	300 x 150 x 150
12x8x8	300 x 200 x 200
18x9x9	450 x 225 x 225

SSS-837 WATER STILL : (BARNSTEAD TYPE) TABLE MODEL

Double wall construction, stainless steel walls, condenser and trap & copper pipes in condenser.

Capacity (Approximately)

- 8-9 Liters/hour
- 15-16 Liters/hour
- 25-26 Liters/hour



SSS-838 WATER STILL : (MANASTY TYPE) STAINLESS STEEL

Wall hanging stainless steel vessel is electrically operated for getting pyrogen free distilled water. Wall hanging arrangement is provided. Condenser is stainless and fitted with automatic ejection device which operates when water supply is cut off and chamber gets dry. Baffle cup condenser are made of stainless steel sheet.



Capacity (Approximately) Load

2 Liters/hour	2 KW
4 Liters/hour	4 KW
6 Liters/hour	6 KW

SSS-839 WATER BATH SEROLOGICAL

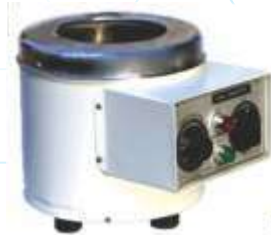
FEATURES

1. Double wall construction.
2. Outer body made of mild steel duly finished in powder coating.
3. Inner chamber made out of stainless steel sheet of 304 grade .
4. Temp. 30 to 100°C ±0.5°C controlled by thermostat.
5. To work on 220 VAC



SSS-840 OIL BATH

Double wall construction inner chamber made out of stainless steel sheet, exterior made of mild steel sheet duly finished in stoving enamel paint. Temp. range 50°C to 200°C ± 1°C controlled by a thermostat or digital temperature controller. Variable speed stirring arrangement is provided to work on 220V AC.



Size

- 4 Cups and 6 sleeves
- 6 Cups and 8 sleeves
- 12 Cups and 8 sleeves



SSS-841 PARAFFIN EMBEDDING BATH

Double wall construction, inner made out of stainless steel and outer made of mild steel sheet duly finished in powder coating paint. Temp. range ambient to 80°C ± 1°C and is controlled by a thermostat with cups and sleeves for glass tube. To work on 220V AC.



HEATING & COOLING EQUIPMENT



SSS-842 THERMOSTATIC WATER BATH (Rectangular Double Wall)

Double wall construction, inner made out of stainless steel sheet and outer made of mild controlled by a thermostat. Concentric rings have been provided on holes to accommodated various sizes of container/vessels. To work on 220V AC.

SSS-844 WATER BATH INCUBATOR SHAKER (Metabolic Shaking Incubator)

Standard Double wall construction, inner made of highly polished stainless steel sheet exterior made of mild steel duly finished in powder coating paint. Temp. range ambient to 100°C thermostatically controlled or digital temperature control accuracy $\pm 5^\circ\text{C}$. Oscillating tray on ball rollers. Shaking speed 40-140 rpm. To work on 220V AC.



Tray Size (in mm)	Tray Size in Inches	Capacity (Approx)
275x275x150mm	11x11x6"	12 Liters
405x300x150mm	16x12x6"	18 Liters

SSS-847 SHAKING MACHINE RECIPROCATING (Kahn Rack Type)

Light duty carrier size 13 x 20" Reciprocating type, speed 250 to 280 strokes per minute with fixed speed for bottles, flasks, test tube racks covered body. **Strokes/min.** 150 to 250, **Motor** 0.25 HP, **Body Type** Covered.



SSS-849 ROTARY SHAKER PLATFORM TYPE

This is a compact bench top model with platform fitted with stainless steel clamps for continues shaking of solution in flasks of various sizes, mounted on a heavy angle iron frame speed is controlled by electronic speed controller. **Motor HP** 0.25

Holding Capacity
9 x 250ml/100ml
16 x 250ml/100ml
24 x 250ml/100ml



SSS-843 TISSUE FLOTATION WATER BATH

Double walled round construction, inner chamber made out of oxidized black aluminum sheet. temp. ambient to 80°C $\pm 0.5^\circ\text{C}$ thermostatically controlled without thermometer.

Inner Size (in mm)	Inner Size in Inches
200x75mm	8x3"
250x125mm	10x5"
300x125mm	12x6"



SSS-845 VORTEX SHAKER (Test Tube Shaker)

Fitted with neoprene rubber cup mounted eccentrically on the shaft. Speed control arrangement provided. To work on 220V AC.



SSS-846 VDRL ROTATOR

Platform size 300 x 300mm. Rotates containers or slides etc. Horizontally, operates on 220V AC at a fixed speed of 180rpm by 1/35 HP motor.



SSS-848 WRIST ACTION SHAKER

Heavy cast iron base and heavy body with two side arms. Fitted with heavy duty motor variable speed. Can hold flasks 100 to 1000ml capacity to work on 220V AC.





HEATING & COOLING EQUIPMENT

SSS-850 MAGNETIC STIRRERS

1. Stirring is accomplished by a teflon rotor placed in the liquid to be stirred through a continuously variable speed regulator.
2. Body is made of mild steel finished in powder coated with a stainless steel top which serves as a hot plate.
3. In models with heating arrangement temperature is controlled by thermostat.



SSS-852 LABORATORY STIRRER

Heavy duty iron base with mild steel chrome plated upright rod 1/20 HP motor with Stainless steel stirring blade, variable speed control unit provided. To work on 220V AC.



SSS-854 LABORATORY HOT PLAT (Rectangular)

Specification as above but hot plate rectangular in shape.

Size (in cm)	Size in Inches
30x25 cm	12x10"
40x25 cm	16x10"
45x30 cm	18x12"
60x45 cm	24x18"



SSS-856 HEATING MANTLE (Single Size)

Body fabricated out of single piece aluminum and lagged with special mineral wool. Provided with ON/OFF switch, pilot lamp, control knob etc. Provided with joint less hand knitted glass yarn capable of with standing high temperature upto 400 C. Work on 220VAC.



Single Size	Watts	Single Size	Watts
50ml	60	2000ml	450
100ml	60	3000ml	450
250ml	150	5000ml	450
500ml	200	10000ml	2x500
1000ml	300	20000ml	3x600

SSS-851 TISSUE HOMOGENISER

Heavy cast iron with mild steel chrome plated upright rod with adjustable clamp to hold 1/2 HP motor stainless steel stirring rod mounted with teflon grinder. Complete with adjustable clamp to hold tissue homogenizing of borosilicate glass. Variable speed regulator. To work on 220 VAC



SSS-853 LABORATORY HOT PLATE (Round)

- Mild steel body, Cast iron hot plate, Temperature Range 350°C, Works on 220VAC.
- Temperature is controlled by a three heat rotary switch and one energy regulator.
- Hot plate diameter 8".



SSS-855 SLIDE WARMING TABLE

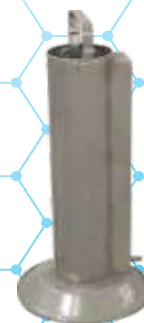
Body made of thick mild steel. Table top is made of highly polished anodized aluminum or stainless steel sheet. Complete with thermostatic control knob or digital temperature controller. Temp. Range ambient to 70C ±1C. To work on 220 VAC.



Size of Carrier (in cm)	Size of Plate (in Inches)
30x25 cm	12x10"
40x25 cm	16x10"
45x30 cm	18x12"
60x15 cm	24x6"

SSS-857 PIPETTE WASHER

Siphon principle is used to fabricate this equipment. Large size pipettes washable automatically in clinical, serological-labs etc. Washing cylinder 63x15 cm (dia made of stainless steel sheet is mounted on base of 26 cm dia.) Pipette holder is removable. This accommodates pipettes upto 375 cm lengths.





HEATING & COOLING EQUIPMENT

SSS-858 VACUUM PUMP

Motor driven oil sealed pump, mounted on heavy base. V - belt, driven, air cooled speed upto 400rpm complete with V- belt Guard, single stage to work on 220V AC.



Capacity	Motor
32 Liter / Minute	0.25 HP
50 Liter / Minute	0.25 HP
75 Liter / Minute	0.25 HP
100 Liter / Minute	½ HP
150 Liter / Minute	½ HP

SSS-859 VACUUM PUMP (Oil Free)

Motor driven oil sealed pump, mounted on heavy base. V - belt, driven, air cooled speed upto 400rpm complete with V- belt Guard, single stage to work on 220V AC.



Capacity	Motor
15 Liter	1/16 HP
25 Liter	1/8 HP

SSS-860 SOXHLET EXTRACTIONS UNITS (HEATER TYPE)

- A unit of 3 heaters.
- A unit of 6 heaters.



SSS-861 KJELDAHL DISTILLATION and DIGESTION UNITS

One single mild steel tabular stand is provided with two heating shelves, one above the other. A fume duct holder and a heating box supplied for digestion unit. The heating unit have individual ON/OFF switches. In the upper portion another heating unit with a condenser rack is provided to work 220V AC.

- A unit of 3 heaters.
- A unit of 6 heaters.



SSS-862 SOXHLET EXTRACTION UNIT HEATER UNIT

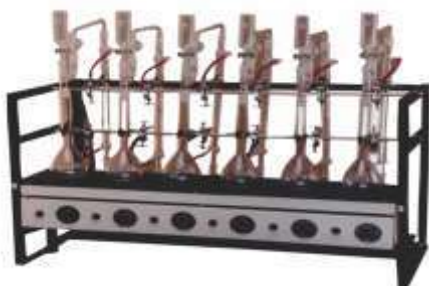
- Useful for quick heating which saves extraction time'
- Fibre glass hand Knitted heating surface having Kanthal heating elements.
- Housing made of M.S. Powder coated.
- Temp. is controlled by individual energy regulator.
- Provided with rods.

SSS-863 WATER DISTILLATIONS (Vertical Type)

Automatic Electrically heated all Glass Distillation Unit, N.P.L. Design, heater embedded in spiral glass tube complete with low water cut-off device C.I. heavy base, S.S. Rod, Clamps, Board etc.

Flask Capacity 3, 5, 10 Liter

SSS-864 KJELDAL DIGESTION UNITS





SSS-865 WATER DOUBLE DISTILLATION, ALL QUARTZ (Vertical Model)

Distillate temperature is around 65 to 75°C which ensured by an efficient condenser. It has been designed keeping in view customer requirements and easy serviceability of the equipment. All Quartz Double Distillation consists of demountable Upper And Lower Boiler. The Lower Boiler has a built-in heater enclosed in a Quartz Boiler with a Cup on top. The Upper Boiler has a built-in Quartz coil and Condensing unit which is mounted on the boiler with the help of Ball and Socket joint. Double-walled condenser ensures separate condensation of vapors coming from the two boilers using a single cooling circuit. The unit is mounted on a specially designed powder coated stand and is also provided with the Automatic Safety Control Unit.



Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (Approx.)
1.5 ltr/hr	3 Kw	50 ltr/hr
2 ltr/hr	4 Kw	65 ltr/hr
2.5 ltr/hr	5 Kw	70 ltr/hr
3.5 ltr/hr	6 Kw	90 ltr/hr
4 ltr/hr	7 Kw	120 ltr/hr
5 ltr/hr	8 Kw	150 ltr/hr

SSS-866 WATER STILL WITH METAL HEATER (Horizontal Type)

It comprises of Horizontal Borosilicate Glass Boiler fitted with a 3 KW chromium plated immersion heater with cut-off, highly efficient coil condenser ensures a reliable output of single stage distillate. It is designed for easy usage, safe to operate.

Features:

1. Abundant Output: The still provides 4 ltr/hr of distillate water which is ideal for general laboratory use and is capable for producing pyrogen free.
2. Distillate temperature is around 25-40°C which is ensured by highly efficient condenser.



SSS-867 WATER DISTILLATION, QUARTZ (Horizontal Model)

Features:

- Replaceable Silica Heater: The Horizontal Quartz Jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning when scaling is formed.
- Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operation and lustrous appearance.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.
- Boiler is provided with Teflon Screw Cork for easy draining and cleaning of boiling chamber.

Technical Specifications:

Borosilicate Condenser / All Quartz

Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (Approx.)
2 ltr/hr	1.7 Kw	35 ltr/hr
5 ltr/hr	3.4 Kw	70 ltr/hr





HEATING & COOLING EQUIPMENT



SSS-868 ROTARY VACUUM EVAPORATOR (Buchi Apparatus)

Specifications:

- DC Geared Motor Assembly
- Condenser Double Coil with S-35 Ball Joint
- Receiving Flask 1 Ltr. with S-35 Cup Joint
- Boiling Flask 800 ML. with 24/29 Socket
- Feeding tube for condenser Vapor path tube
- Digitally Temperature controlled stainless steel water bath (1st in Segment)
- Jack arrangement for positioning glass assembly
- RPM: Analog
- Temperature: Ambient to 180°C (+/- 2°C)
- DISPLAY: 7 Segment FND (Cat No. 2198)
- Bath Capacity: 4 Ltr



SSS-869 SIEVE SHAKER (Gyratory Type)

Driven by a 0.25 H.P. Motor, volt A.C. Through a reduction gear and is suitable to carry up to 7 sieves of 6" or 8" dia. When clamped the sieve table does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyratory motion of the shaker there is upward and downward movement at a frequency of 270 r.p.m.



SSS-870 MELTING POINT APPARATUS

Suitable to determine melting point upto 350°C Mounting block is illuminated from below temperature is regulated. The lamp provided uniform shadowless regulator fitted to the unit. Supplied with out capillary tubes and thermometer.



SSS-871 HIGH PRECISION WATER BATH

- Double walled inner made of S.S
- Exterior of M.S. Sheet duly finished in Epoxy powder coated shade.
- Highly insulated between two walls.
- Glass windows for easy inside view.
- Stirring arrangement to ensure good Temp. Uniformity.
- Temp. is controlled by Digital Temp. Indicator Cum Controller.

Size : 425x250x225, 450x375x375, 600x450x450



SSS-872 COD DIGESTION UNIT

Technical Data:

Capacity	: 15 SAMPLES
Sample Capacity	: 20 ml.
Reaction Vessel Dia.	: 38 mm.
Temperature Range	: Ambient to 350°
Time Range	: 99 hours, Auto shut off and buzzer
Display	: LED timer and temperature or LCD timer and temperature.
Dimension mm.	: 410 x 290 x 255
Heater Load	: 1 kw
Block	: polished
Aluminum	
Outer Body	: MS duly coated
Top Cover	: SS 316
Power	: 230 V, Single
Phase AC, 50 Hz	
Glass Tube Size	: 5 Glass Tubes of 38 x 200 mm each
Glass Air Condenser Size	: 15 no. Of condenser of 600 mm each (Without glass parts)





HEATING & COOLING EQUIPMENT

SSS-873 LAMINAR AIR FLOW CABINET HORIZONTAL

Laminar flow principle involves double filtration of air through pre-filters (upto 5 microns) and hepa filters (down to 0.3 microns) for filtration of biological and particulate contaminants unidirectional air flow is drawn from atmosphere and passed through pre and hepa filtered on to the work surface. Table top covered with laminated sheet or SS sheet (optional) side panels are fixed and are made out of transparent acrylic sheet. Front door is also made of acrylic sheet. Superior motor is used for blower. Unit is supplied with manometer, UV tube, fluorescent lighting tubes.



Internal Work Zone Dimension (LxDxH) Feet

2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
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SSS-874 LAMINAR AIR FLOW VERTICAL

Laminar flow principle involves double filtration of air through pre-filters (upto 5 microns) and hepa filters (down to 0.3 microns) for filtration of biological and particulate contaminants unidirectional air flow is drawn from atmosphere and passed through pre and hepa filtered on to the work surface. Table top covered with laminated sheet or SS sheet (optional) side panels are fixed and are made out of transparent acrylic sheet. Front door is also made of acrylic sheet. Superior motor is used for blower. Unit is supplied with manometer, UV tube, fluorescent lighting tubes.



SSS-875 FUME HOOD

Fume exhaust hoods are designed to contain and throw out toxic, obnoxious pungent smelling gases to protect personal and equipment in the laboratories. A motor driven blower creates negative pressure and sucks contaminated air from work areas and throws it in high up atmosphere through ducting. Fabricated out of thick ply board clad from outside with laminated sheet and inside finished in non-corrosive epoxy paint. An up-down sliding sash with glass sheet is provided. Flurescent lighting is also provided. A gas tap, water tap and wash basin is also provided.

Internal Work Zone Dimension (LxDxH) Feet

2' x 2' x 2'	4' x 2' x 2'	5 x 2.5' x 2.5'
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HEATING & COOLING EQUIPMENT



SSS-876 BIOSAFETY CABINET Class-II

Structure made of thick ply- board Mild Steel. Work bench of performed stainless steel. Properly balanced blowers fitted on ¼ H.P. electric motor provided on the top portion to supply sufficient air to HEPA filter.

One HEPA filter provided on top of work bench horizontally to supply clean air to the work bench vertically. Another HEPA Filter provided on side for exhaust system. Efficiency of HEPA filters 99.97%, particle retention >0.3 micron. One pre- filter provided on the top to supply pre filtered air to the blowers . One fluorescent tube and one U.V germicidal tube provided over work bench. Static pressure manometer fitted. Cock for Gas air & vacuum line. Cabinet fitted with exhaust and virus burnt system.

Working Chamber Size	No. of HEPA Filter
2' x 2' x 2'	1
3' x 2' x 2'	1
4' x 2' x 2'	1
6' x 2' x 2'	2



SSS-877 TISSUE CULTURE RACK

We are of the leading provides of Tissue Culture Racks. Racks are knows for increasing the incubator capacity of the products. Furthermore, the uniquely designed range prevents the flipping over of flasks above one another. Easy handing is ensured by strong grips on both sided of the rack, which also in safely transferring the flasks to the incubator.

Specifications of Features :

1. Made out of thick square MS pipe frame with glass shelves.
5. Four 40-watt fluorescent light (With Electronic Ballast).
6. Minimum heading effect/heat dissipation.

Size : Unit of 4 Racks, Unit of 5 Racks, Unit of 6 Racks

SSS-878 INDUSTRIAL AIR CURTAIN

Offered by us are superior qualities industrial air curtains are used to create a curtain of air between air-conditioned and clean room to adjoining room. Widely used in various industries like, hospitals, hotels, and showrooms etc, these quality-tested Air Curtains are offered in varied specifications and that too at very affordable prices. This high end machinery ably creates an invisible barrier of high velocity air which provides complete protection against insects, dust, dirt and fumes.

Door Width

900mm, 1200mm, 1500mm





HEATING & COOLING EQUIPMENT

SSS-879 EGG. INCUBATOR

Double wall standard fabrication exterior wall made out of thick steel duly finished in powder coated paint. Inner chamber made out of highly polished thick aluminum. Temperature range ambient to 70oC controlled by imported thermostat with accuracy +0.5oC unit provided with manual tilting device for egg trays. To work on 220 VAC supply.



Capacity

50 eggs.	200 eggs.
100 eggs.	250 eggs.

SSS-880 WALK-IN-INCUBATOR

Designed for vast number of incubation applications. Can be installed even in hallway room or wherever convenient. Design feature includes enameled mild steel sheet exterior, aluminum /stainless steel, interior ventilators, internal lighting, exhaust fan etc. Suitable insulated 300 mm sq. Inspection window at the door permits inside view with -out opening the door. Complete with panel. Pre fabricated at factory assembled at site. Complete with cord and plug to work on 220 V single phase 50 Hz power supply. Temperature range from 5° C above ambient to 60° C ± 1° C. Controlled by digital indicator cum controller. Available sizes W x H x D a) 1.2x2.3x1.2 meter b) 2.3x2.3x2.3 meter Walk-In- Incubator -AEI-W2 Same as AEI-11W but with controlled humidity up to 95% ± 5% Available sizes W x H x D a) 1.2x2.3x1.2 meter b) 2.3x2.3x2.3 meter Walk-In- Incubator -AEI-W3 Same as AEI-11W but temperature range 10° C to 60° C. Available sizes W x H x D a) 1.2x2.3x1.2 meter B) 2.3x2.3x2.3 meter Optional : Digital temp. indicator-cum-controller with computer data logger.





ANALYTICAL EQUIPMENT



SSS-881 DIGITAL DRY BATH INCUBATOR

TECHNICAL SPECIFICATIONS

- PRODUCT: Dry Bath Incubator
- TEMPERATURE RANGE : Ambient + 5 to 70°C
- TEMPERATURE ACCURACY : ± 1°C
- TIMER RANGE : 1 to 99 minutes
- TEMP. CONTROLLER : PID
- POWER SUPPLY : 230 Volt + 10% AC



SSS-882 PORTABLE HAEMOGLOBIN METER

TECHNICAL SPECIFICATIONS

- 10 Testing Strips
- Measuring Range : 5-25 gm/dl
- Memory : 1000 test results
- Auto Calibration



SSS-883 DIGITAL D.O METER

TECHNICAL SPECIFICATIONS

- RANGE : 0 to 20.0 ppm
- RESOLUTION : 0.1 ppm
- ACCURACY : 0.1 ppm ± count
- TEMP. COMPENSATION : 0°C to 50°C Manual
- COMPENSATION : ± 3%



SSS-884 DIGITAL CONDUCTIVITY METER

TECHNICAL SPECIFICATIONS

- DISPLAY : 3 1/2 Digit LED
- MEASUREMENT : Conductivity
- COND. RANGES : Five Ranges
- RANGE SELECTION : Automatic in 5 Ranges
- TEMP. RANGE : -5 to 110°C
- ACCURACY COND. : ±0.5% FS ± 1Digit
- TEMP. : ±0.1°C ± 1Digit



SSS-885 DIGITAL TDS METER

TECHNICAL SPECIFICATIONS

- DISPLAY : 3 1/2 Digit LED
- MEASUREMENT : Conductivity
- TEMP. RANGE : -5 to 110°C
- ACCURACY COND. : ±0.5% FS ± 1Digit
- TEMP. : ±0.1°C ± 1Digit
- TEMPERATURE : Manual: 0 to COMPENSATION 50°C
- CELL CONSTANT : Adjustable on Digital Display



SSS-886 DIGITAL pH METERS

TECHNICAL SPECIFICATIONS

PARAMETER	pH
• RANGE	: 0 to 14.00 pH
• RESOLUTION	: 0.01 pH
• ACCURACY	: ± 0.01 pH
• DISPLAY	: 3 1/2 Digit LED
• TEMP. COMPENSATION	: Manual : 0 to 100°C
• INPUT IMPEDANCE	: > 10 ¹² ohms
• POWER	: 230V ± 10% AC, 50Hz
• DIMENSIONS	: 275 x 175 x 76 mm (L x B x H)
• SENSOR	: Combined pH Electrode





ANALYTICAL EQUIPMENT

SSS-887 MICROPROCESSOR pH METER

TECHNICAL SPECIFICATIONS

pH

- RANGE : -2.000 to 20.000 pH
- RESOLUTION : Selectable 0.1, 0.01, 0.001 pH
- ACCURACY : ± 0.002 pH ± 1 digit
- READ OUT : 128 x 64 dots Graphical LCD Display
- CALIBRATION : Auto & Manual with 5-Point Calibration
- AUTO BUFFER RECOGNITION : 1.680, 4.000, 7.000, 9.200 & 12.450 pH or User Defined
- RELATIVE STABILITY : ± 0.002 pH/Hour
- TEMP. COMPENSATION : -5 to 110°C Auto/Manual



SSS-888 MICROPROCESSOR FLAME PHOTOMETERS

TECHNICAL SPECIFICATIONS

- SENSITIVITY : General Mode : Na: 0.5 ppm, K:0.5 ppm, Li:0.5 ppm, Ca:15ppm Ba:30ppm Na & K Supplied (Ca, Li & Ba are optional at extra cost) {Ba can be factory fitted only}
- RESOLUTION : 0.1 ppm / 0.1 meq.
- REPRODUCIBILITY : <1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as Maximum Standard up to 3% CV for 20 consecutive samples of Concentrations between 50 to 199 ppm for Barium.
- LINEARITY : <2% error when 3 ppm Na/K and 5 ppm Li are set as Maximum Std.
- CURVE FIT ACCURACY $\pm 2\%$ of FS
- DISPLAY : 128 x 64 Graphical LCD
- AVERAGE TIME : In-built in Software
- FLAME SYSTEM : LPG & Dry Oil Free Air
- DETECTOR : Photodiode
- GAS CONTROL : Adjustable with knob
- FLAME FAILURE : Auto Detection
- GAS CUTOFF : Automatic
- IGNITION SYSTEM : Auto Ignition
- AUTOMISER : Axial Flow Type
- PRINTER : Provision for attachment of Dot-Matrix Printer with Centronics parallel interface



SSS-889 AUTO KARL FISCHER TITRIMETER

TECHNICAL SPECIFICATIONS

- DISPLAY : Array of 10 LEDs
- SAMPLE SIZE : 1-50mg of H₂O
- INDICATION : RUN, ADD, END LED's
- KF FLOW : Auto Control Valve
- BURETTE : Auto Zero 10ml Burette
- TIMER : Adjustable Timer
- DISPENSING RESOLUTION : 0.05ml
- MEASURING ELECTRODE : Dual Platinum KF Electrode
- POWER : 230V $\pm 10\%$, 50Hz AC





ANALYTICAL EQUIPMENT



SSS-890 DIFFERENTIAL BLOOD CELL COUNTER

TECHNICAL SPECIFICATIONS

- CELL COUNTING KEY : 8 Keys
- TOTAL KEYS : 11 Keys (8 Cell keys and 3 Function keys)



SSS-891 BLOOD ROLLER MIXER

TECHNICAL SPECIFICATIONS

- ROLLER SIZE : 230mm
- CONTROLS : Analog



SSS-892 MICROPROCESSOR BASED PHOTO COLORIMETER

TECHNICAL SPECIFICATIONS

pH MEASUREMENTS

- DISPLAY : 3 Digit Red LED Display
- DISPLAY MODES : % T, O.D. AND 3 CONCENTRATION MODES C1, C2, C3
- ZERO ADJUSTMENT : Automatic (Without Knob Rotation)
- ACCURACY : ± 0.02 O.D.
- STABILITY : ± 0.02 O.D. Per Hour
- LIGHT SOURCE : 6.8 Volt, 0.3 Amp. Tungsten Lamp/LED
- AMPLIFIER : Micro Controller Based
- MEMORY : In Built Memory to retain Last "K" Factor for Concentration even after power loss
- SAMPLE VOLUME : 1 ML. MINIMUM.
- POWER SUPPLY : 230V ± 10% 50Hz



SSS-893 MICROPROCESSOR COLONY COUNTERS

TECHNICAL SPECIFICATIONS

- DISPLAY : 3 Digit Seven Segment LED
- MAX COUNT : 999
- KEYBOARD : 6 Soft touch membrane keys
- CORRECTION : Count correction facility available to cancel the unwanted counts
- STORAGE : 125 Result-count storage retained even if the system is switched off

SSS-894 DIGITAL PHOTO FLUOROMETER

TECHNICAL SPECIFICATIONS

- Display : 3 Digit Bright Red Seven Segment Led Display
- Excitation Source : 12v, 50w Tungsten Halogen Lamp
- Sensitivity Ranges : Adjustable In 4 Ranges
- Primary Filters : Corning 5840 And Corning 5113 Mounted On Holders
- Secondary Filters : Corning 4308, Corning 3486, Corning 3385 Mounted
- Detector : Highly Sensitive Wide Range Photodiode/Dell
- Samples Test Tube : 15mm (D) X 80 Mm (H)
- Minimum Sample : 4ml
- Power : 230v + 10%, 50 Hz. Ac





ANALYTICAL EQUIPMENT

SSS-895 DOUBLE BEAM UV-VIS SPECTROPHOTOMETER (With Variable Bandwidth)

TECHNICAL SPECIFICATIONS

- FUNCTION : Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein
- WAVELENGTH RANGE : 190 - 1100 nm
- SPECTRAL BANDWIDTH : 1 nm
- OPTICAL SYSTEM : Double Beam, Grating 1200 lines/mm
- WAVELENGTH ACCURACY : ± 0.3 nm
- WAVELENGTH REPEATABILITY : ± 0.2 nm
- SCANNING SPEED : HI, MED & LOW, MAX. 3600 nm/min
- PHOTOMETRIC RANGE : %T : 0 - 200%
Abs : -0.3 to 3A
Conc. : 0 - 9999 C
- DISPLAY : 5 Inches 320 x 240 Dots Graphical LCD
- BASELINE FLATNESS : ± 0.001A/h (200 - 1000 nm)
- SAMPLE COMPARTMENT : 2 cell holder 10 mm path-length. (50mm & 100 mm path-length optional at extra cost)
- LIGHT SOURCE : Halogen & Deuterium Lamps (Pre-Aligned)
- PRINTER INTERFACE : Parallel port for Dot Matrix
- PC CONNECTIVITY : USB Port for PC Connectivity
- POWER : 230V ± 10% AC, 50Hz



SSS-896 SINGLE BEAM UV-VIS SPECTROPHOTOMETER

TECHNICAL SPECIFICATIONS

- WAVELENGTH RANGE : 195 - 1020 nm
- SPECTRAL BANDWIDTH : 2 nm
- OPTICAL SYSTEM : Single Beam
- WAVELENGTH ACCURACY : ± 2 nm
- WAVELENGTH REPEATABILITY : 0.2% T
- PHOTOMETRIC ACCURACY : ± 0.5 % T
- STRAY LIGHT : < 0.3% T
- STABILITY : ± 0.004 A/h @ 500 nm
- DISPLAY : LCD
- KEYBOARD : Soft Touch Membrane Keys
- LIGHT SOURCE : Tungsten & Deuterium Lamps
- POWER : 230V ± 10% AC, 50Hz
- ACCESSORIES : Main Set, RS-232 Cable, 4 Glass Cell (1cm)
2 Quartz Cell (1cm), Operational Manual
Software CD





ANALYTICAL EQUIPMENT



SSS-897 DIGITAL MELTING POINT APPARATUS

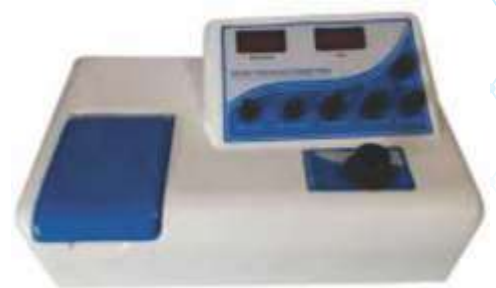
TECHNICAL SPECIFICATIONS

- Temperature °C: 0-300 OC on a 4 digit LED display
- Resolution : 0.1 OC
- Capillary Glass Tube : 12mm long, 0.8 to 1.1mm internal diameter
- Amount Of Sample : Fine powder properly dried at a temperature considerably below its melting point, 4 to 6 mm high
- Oil-Bath : Silicon oil bath beaker - 200 ml capacity with Teflon cover fitted with oil immersion heater. It is having three holes for holding the capillaries, one for boiling point tube and one for thermometer
- Stirrer Speed : Controllable with front knob
- Power : 230V ±10% AC, 50 Hz



SSS-898 DIGITAL SPECTROPHOTOMETER

Digital Spectrophotometer are the most economical, reliable, rugged and accurate instrument for spectrophotometric analysis of any concentration. Digital Spectrophotometer operates at a wavelength range of 340 nm to 960 nm. The output is available on a 3 ½ digit red seven segment LED display in terms of %Transmission (%T), Absorbance (Abs.), and Concentration (Conc.). This is useful instrument for Chemistry Labs, Pharmaceutical Industries, Colleges and University Labs etc.



SSS-899 HPLC SYSTEM

SPECIFICATIONS (PUMP)

- FLOW RANGE : 0.001 - 9.99 ml/min
- DELIVERY METHOD : Double piston (Main & Auxiliary)
- PUMP HEAD : 10m1 SST/Peak analytical
- ACCURACY : ± 1% or ± 2µL/min, whichever is greater ± 1% or ± 1µL/min whichever is greater (Micro)
- FLOW RATE SETTINGS : 0 -0.10 mL/min. 0.001 inc.
0.10 -0.90 mL/min. 0.010 inc.
- PRECISION : 0.25% from 0.1 mL/min. to 10 mL/min. at 20 deg. C
0.25% from 0.05 mL/min. to 4 mL/min. at 20 deg. C (Micro)
- PMAX : 6000psi
- SYSTEM CONNECTION : 1/16" Capillaries
- DIMENSIONS : 410mm x 180mm x 270mm
- WEIGHT : 7.3kgs
- POWER INPUT : 85 to 264 VAC, 47 to 63 Hz, 60 Watts
- DISPLAY : 320mm
- CONTROL : Stand alone mode using front panel

SPECIFICATIONS (UV DETECTOR)

- WAVELENGTH : 190-700 nm
- SPECTRAL BANDWIDTH : 6 nm
- WAVELENGTH : = ± 1 nm
- Wavelength Reproducibility: = ± 0.5 nm
- FLOW POOL VOLUME : 10 µ L
- OPTICAL PATH : 10 mm
- DYNAMIC NOISE : = 2.5X10⁻⁵ AU (Methanol, 1ml/min, 254nm)
- STATIC NOISE : = ± 1 <10⁻⁵ AU (Empty pool Response time 1 s)
- DYNAMIC DRIFTING : = ± 2.5X10⁻⁴ AU (Methanol, 1ml/min, 254nm)
- STATIC DRIFTING: = ± 1 X10⁻⁴ AU (Empty pool Response time 1 s)
- QUALITATIVE REPEATABILITY : RSD =0.1%
- QUALITATIVE REPEATABILITY : RSD =0.5%



ANALYTICAL EQUIPMENT

SSS-900 FT-IR SPECTROMETER

TECHNICAL SPECIFICATIONS

- SPECTRAL RANGE : 7800 to 350 cm-1
- RESOLUTION : Better than 0.85 cm-1
- WAVELENGTH PRECISIONS : +0.01 cm-1
- SCANNING SPEED : 5-step adjustable for different applications.
- SIGNAL TO NOISE RATIO : Better than 15,000:1 (RMS Value, at 2100 cm-1, resolution : 4 cm-1, detector DTGS. 1 minute data collection)
- BEAM SPLITTER : Ge COATED Kbr
- INFRARED SOURCE : Air Cooled, high efficiency, Reflex sphere module
- DETECTOR : DTGS
- DATA SYSTEM : Compatible Computer
- SOFTWARE : FT-IR software contains all routines need for basic spectrophotometer operations, including library search, quantitation and spectrum export.
- IR LIBRARY : 11R Libraries included
- DIMENSIONS : 54 x 52 x 26 cm
- WEIGHT : 28 Kgs.

SSS-901 ATOMIC ABSORPTION SPECTROPHOTOMETER

TECHNICAL SPECIFICATIONS

- PARAMETER : Computer controlled, high performance, optically double beam Atomic absorption Spectrometer having following specifications.
- OPTICS : Real time Double beam with Deuterium background
- MONOCHROMATOR : Cz design with 330mm focal length, 1800 line/mm grating and 185-930nm wavelength range. Automatic emission wavelength selection and packing. Continuously variable slits with 0.2 to 2 nm spectral bandwidth. Automatic wavelength scanning. Selected wide range.
- DETECTOR : High performance multi-alkali Phot multiplier tube R928
- MOTORIZED LAMP TURRET : Eight lamp motorized turret with automatic lamp selection and individual lamp peaking automatically warmed up. Compatible with standard & coded hollow cathode lamps
- BACKGROUND CORRECTION : Deuterium arc Radiation ULTRA FAST-PULSE 1024 Hz background corrector wave length correction range 185-425 nm. Corrects to 2.5 total absorbance
- AUTOMATIC FLAME : Programmable gas controller with digital display of flow, Full safety interlock including built in pressure regulator on bot lines, power failure protection, auto shut down of flame, burner drain, door interlock and electronic flame igniter & real time status sensing, fitted bung and pressure relief bung
- NEBULIZER : Fully inert nebulizer
- SPRAY CHAMBER : PTFE spray chamber and adjustable impact bead aerosol.
- BURNER : Titanium burners for C2 H2 - N2O & C2H2 - AIR
- SENSITIVITY : Greater than 0.7 abs for 5 mg/L copper solution with and RSD of less than 0.5% Characteristics concentration of copper 0.030 ug/ml
- OUTPUT PORT : USB, Wi-Fi, BLUETOOTH CONNECTIVITI FOR PC/INTERNET
- SOFTWARE : Windows 10 based user friendly software
- DIMENSION : 100 X 55 X 58 cm (L x H x W) cm
- WEIGHT : 65 kg. Unpacked
- ELECTRICAL REQUIREMENTS : 220/240V AC, 50/60 Hz, 800VA
- HOLLOW CATHODE LAMPS : 67 Element high intensity Single Element available



ANALYTICAL EQUIPMENT



SSS-902 DIGITAL VISCOMETER

TECHNICAL SPECIFICATIONS

- DISPLAY : LCD
- Maximum Viscosity Range : 20,00,000 mPa.s
- Viscosity Rpm : 0.3,0.6,1.5,3,6,12,30,60
- Application : Industrial Use, Laboratory Use
- Accuracy : +1.0 To -1.0 Of Range
- RPM : 0.3, Also Available In 0.6,1.5,3,6,12,30 And 60 RPM
- Repetability : + 0.5 To - 0.5 %
- Viscosity Range : 1 To 2000k Mpa

SSS-903 PCR THERMAL CYCLER

TECHNICAL SPECIFICATIONS

- BLOCK CAPACITY : 64 X 0.2ml
- TEMP. RANGE : 4°C - 99°C
- MAX HEATING RATE : <2.5°C/s
- MAX COOLING RATE : <2.5°C/s
- TEMP. DISPLAY ACCURACY : 0.1°C
- ACCURACY : < ± 2.5°C/s
- TEMP. FLUCTUATION : < ± 0.1°C/s
- UNIFORMITY : 95°C h < ± 0.5°C (20 seconds later)
20°C - 72°C h < ± 0.3°C (20 seconds later)
- MAX PROGRAM UNIT : 9
- MAX CYCLE STEPS : 9
- MAX CYCLE NO : 99
- MAX CONSTANT TEMP. : 59m59s
- STORED PROGRAM NO : 99h59m
- STORED PROGRAM NO : 100
- DIMENSION : 370mm (L) x 249mm (W) x 180mm (H)
- WEIGHT : 5 kg



SSS-904 BIO-NANO SPECTROPHOTOMETER

TECHNICAL SPECIFICATIONS

- MINIMUM SAMPLE SIZE : 0.5ul-2ul (2ul advised)
- PATH LENGTH : 0.2mm or 1mm
- LIGHT SOURCE / LIFE : Xenon flash lamp / > 109 flashes
- Detector Type : 3864 element linear silicon CCD array
- WAVELENGTH RANGE : 200 800nm
- WAVELENGTH ACCURACY : ±1nm (TWHM at Hg 253.7nm)
- SPECTRAL RESOLUTION : =3nm (FWHM @ Hg 253.7nm)
- ABSORBANCE PRECISION : 0.003Abs (1mm path length)
- ABSORBANCE ACCURACY : ±1% (7.332Abs, at 260nm wavelength)
- ABSORBANCE RANGE : 0.04 - 90 (at 260 wavelength, 10mm equivalent)
- DETECTION : 2ng/ul dsDNA ~ 4,500ng/ul dsDNA
- CONCENTRATION RANGE
- DETECTION TIME: <10s
- INPUT VOLTAGE : DC24V 2A
- POWER : 20W
- DIMENSION (W x D x H) : 200 x 250 x 166mm



CENTRIFUGE



SSS-905 MINI CENTRIFUGE DIGITAL (10000 RPM)

- Micro processor controlled, Micro-Centrifuge machine (Mini Centrifuge)
- Speed range from 1000 to 10000 r.p.m. in step of 1000.

Technical Specifications

- Fitted with maintenance free motor (Brushless without carbon)
- Complete body made of ABS plastic injection moulded.
- Fitted with 0-15 minute digital timer.
- Supply completed with 2 standard rotors as under :
 - (i) Angle Rotor 6 micro centrifuge of 1.5ml capacity
 - (ii) Angle rotor 12 micro centrifuge tubes of 0.5ml capacity



SSS-906 SERUM CENTRIFUGE (CLINICAL DOCTOR) 3000 R.P.M. (BRUSHLESS)

Technical Specifications

- Bench Top Clinical Centrifuge Machine.
- The body is made of CRC sheet, finished in powder coating.
- See thru acrylic lid.
- Fitted with mechanical Timer 0-99 minutes and a manual blind speed Controller.
- Maximum speed 3000 r.p.m. (without load) and 2850 rpm on load.
- Equipped with maintenance free brushless (without carbon) motor.
- Supply is completed with 8x15ml Angle head, instruction manual,
- Spare fuses, cord & plug to work on 220volts 50Hz A. C.



SSS-907 CENTRIFUGE MICROPROCESSOR DIGITAL 5200 R.P.M.

Technical Parameter

- Max. Speed 5200 r.p.m.
- Max. RCF 'g' 3600
- Max. capacity 400 ml.
- Motor Universal Motor (1/8 H.P.) (fitted with carbon brushes)
- Power AC 220V 50 Hz \pm 10%



SSS-908 MICRO CENTRIFUGE 16000 R.P.M. (MICROPROCESSOR BASED)

Specifications

- High speed Micro Centrifuge Max. R.P.M. 16000 and r.c.f 16600
- Digital timer which can be set from 0-99 minutes in interval of 1 minute.
- Programmable Speed Regulator from 2000 to 16000 in variation of 100 rpm
- Rotor Head to accommodate 12 eppendorf/ Micro Centrifuge Tubes with cover of 1.5ml /2ml (12 x 1.5/2ml)
- Reduction adapters for 0.2/0.5ml eppendorf (Micro Centrifuge Tubes).
- Head Puller, Spanner, Inst. Manual, Cord & plug to work on 220 volts 50Hz A.C.



CENTRIFUGE



SSS-909 LABORATORY CENTRIFUGE MACHINE DIGITAL 10000 R.P.M.

Specifications

- Bench Top High Speed Centrifuge Machine
- Microprocessor based with digital timer 0 -59 minutes.
- Heavy duty C.R.C. construction finished with powder coating
- Metallic centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor (with carbons)
- 2 lines of 16 character LCD display of r.p.m., Set time and run time
- Programmable Speed controller from 2000 to 10000 in variation of 100 rpm
- Last test parameter recall and displays automatically on LCD
- Lid lock for safe drive
- Rotors made of Aluminium Alloy to withstand high speed of 10000 rpm



SSS-910 HAEMATOCRIT CENTRIFUGE 13000 R.P.M. (MICROPROCESSOR BASED)

Specifications

- Haematocrit Centrifuge Machine, Max. speed 13000 r.p.m.
- Microprocessor based Digital timer of range 0-99 min.
- Preset speed controls thru microprocessor from 2000 to 13000 r.p.m. in interval of 100 rpm
- Micro Hematocrit rotor to accommodate 24 capillaries of
- 75mm x 1mm or 12 capillaries.
- Heparinised capillary tubes 75mm long x 1mm bore (Pack of 100 Nos.)
- Non-Heparinised capillary tubes 75mm long x 1mm bore (Pack of 100 Nos.)
- Sealing wax- 1 tray



SSS-911 MICRO CENTRIFUGE 20000 R.P.M. (BRUSHLESS MOTORS) (MICROPROCESSOR)

Specifications

- High speed, bench top, Micro Centrifuge Machine, Microprocessor based
- Heavy duty C.R.C. construction finished with powder coating
- Identification. Timer 0-59 minutes.
- 50 programmes can be stored in memory and automatic rotor identification on display.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Fast spin option and work on 220 volts 50Hz A.C.



SSS-912 HANDI CENTRIFUGE

CAPACITY

- 4x 15 ml. tubes
- 6x 15 ml. tubes
- 8x 15 ml. tubes



SSS-913 DOCTOR MODEL CENTRIFUGE

Doctor Model (8 tubes) copper winding, Perfectly design for mixing the samples in laboratory at high speed this machine having 3500-4000 rotation per minute.





CENTRIFUGE



SSS-914 REFRIGERATED UNIVERSAL CENTRIFUGE MACHINE 16000 R.P.M (MICROPROCESSOR BASED DIGITAL)

Specifications

- Bench Top Refrigerated Centrifuge Machine, all purpose.
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters. LCD Display for set time, run time, set and run rpm, rcf
- Digital Timer 0-99 minutes, lid lock and fast spin option and rotor Identification.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Microprocessor based. Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp.
from room temp. upto -20°C.
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.



SSS-915 REFRIGERATED MICRO CENTRIFUGE, DIGITAL-16000 R.P.M. (MICROPROCESSOR BASED)

Specifications

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- 2 lines, 20 characters. LCD Display for set time, run time set and run rpm, rcf.
- Digital Timer 0-59 minutes
- Programmable Speed Regulator from 2000 to 16000 rpm in variation of 100 rpm.
- Safety lid lock.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temperature of centrifuge bowl from room temp. upto -20°C and shuts off the cooling compressor within accuracy of + 1°C in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is + 2°C





AUTOCLAVES



SSS-916 PORTABLE AUTOCLAVE

- All body made of Stainless Steel or Aluminum.
- Fitted with pressure gauge.
- The unit has spring loaded safety valve of pressure adjustment and a dead weight safety valve.
- It is hydraulically tested up to 30 PSI & is supplied with Electric fitting.
- To work on 220/330Volt AC Supply

	Capacity
300 x 300	20 Litres
300 x 450	30 Litres
300 x 500	40 Litres



SSS-917 COOKER TYPE AUTOCLAVE

Portable Autoclave is mainly used as general laboratory equipment where samples in small batches are required to be sterilized.

This autoclave is considered suitable for sterilizing liquid cultures using dry heat, boiling water, free flowing steam, pressurized steam and other gas & filtration methods.



SSS-918 TABLE TOP DENTAL AUTOCLAVE

- All body made of stainless steel.
- The inner/outer chamber & boiler are made of heavy gauge S S with leak proof argon ARC welding.
- The space between the outer chamber is filled with wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device.
- This afford complete safety to the working personnel against explosive opening.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from very high grade material provides fast formation of pressure in the system & are protected through a electric low water cut off device.
- The chamber is fitted with spring loaded safety valve & a dead weight release valve.
- Sterilization temperature : 120°C, 135°C.
- Suitable to work on 230 volts, single phase and 50Hz AC supply.

	Capacity	Inner Dimension	Heater Load
10 x 18	22 Litres	250 x 450	3 KW
12 x 15	25 Litres	300 x 375	3 KW
12 x 18	30 Litres	300 x 450	3 KW





AUTOCLAVES



SSS-919 DOUBLE/TRIPLE WALLED RADIAL LOCKING AUTOCLAVE



- Inner chamber, outer chamber & support ring are fully made of stainless steel.
- Heaters cover stand & carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Radial locking lid ensures user safety & safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, breaker as a safety device & water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground & polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.

	Capacity	Inner Dimension	Heater Load
10 x 18	22 Litres	250 x 450	1.5 KW
12 x 20	40 Litres	300 x 500	2 KW
14 x 22	50 Litres	350 x 550	3 KW
16 X 24	78 Litres	400 x 600	4 KW
18 X 24	98 Litres	450 x 600	4KW
22 X 30	152 Litres	550 x 750	5 KW

SSS-920 DOUBLE/TRIPLE WALLED HIGH PRESSURE WING NUT AUTOCLAVE

- Inner chamber, outer chamber and support ring are fully made of stainless steel.
- Heaters cover stand and carrier/bucket are made of stainless steel.
- Lid made of thick machined stainless steel plate.
- Brass knobs ensures user safety and safe locking.
- Lid is fitted with pressure gauge, spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device and water level indicator.
- Drain valve facilitates easy cleaning of the chamber.
- Moulded joint less silicon rubber gasket.
- All internal joints are argon arc welded, ground and polished to give crevice free internals.
- Miniature circuit breaker for mains on/off plus safety of control panel.
- Industrial grade energy efficient heaters reduce power bill drastically.



	Capacity	Inner Dimension	Heater Load
10 x 18	22 Litres	250 x 450	1.5 KW
12 x 20	40 Litres	300 x 500	2 KW
14 x 22	50 Litres	350 x 550	3 KW
16 X 24	78 Litres	400 x 600	4 KW
18 X 24	98 Litres	450 x 600	4KW
22 X 30	152 Litres	550 x 750	5 KW



AUTOCLAVES



SSS-921 HORIZONTAL CYLINDRICAL TRIPLE WALLED HIGH PRESSURE AUTOCLAVE

- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

	Capacity	Inner Dimension	Heater Load
16 x 24	78 Litres	400 x 600	6 KW
16 x 36	115 Litres	400 x 900	6 KW
16 x 48	162 Litres	400 x 1200	9 KW
20 X 36	165 Litres	500 x 900	9 KW
20 X 48	121 Litres	500 x 1200	9 KW





AUTOCLAVES



SSS-922 HORIZONTAL RECTANGULAR HIGH PRESSURE AUTOCLAVE

- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

	Capacity	Inner Dimension	Heater Load
18x18x36	180 Litres	450 x 450 x 900	12 KW
18x24x36	240 Litres	450 x 600 x 900	12 KW
24x24x30	320 Litres	600 x 600 x 900	18 KW
24x24x48	430 Litres	600 x 600 x 1200	18 KW





INCINERATOR



SSS-923 BIOMEDICAL HOSPITAL INCINERATOR

Specification:

- Combustion efficiency 99%.
- Combustion Chamber : Dual Chamber
- Temperature of primary chamber is up to 1000°C and the secondary chamber is up to 1450°C.
- The secondary chamber gas residence time at is two seconds.
- Power Requirement: Diesel, Electrical



SSS-924 ELECTRONIC WASTE INCINERATOR

Specification:

- Combustion efficiency 99%.
- Combustion Chamber : Dual Chamber
- Temperature of primary chamber is up to 1000°C and the secondary chamber is up to 1450°C.
- The secondary chamber gas residence time at is two seconds.
- Power Requirement: Diesel, Electrical

SSS-925 FACE MASK DISPOSAL INCINERATOR

Technical Specification:

- Type : Mask Incinerator
- Equipment Material : Mild Steel Powder coated
- Inner Construction : Mild steel / stainless steel
- Burn Capacity : 2000-10000 Masks per day
- Power : 220-240V / 7.5A, 50HZ
- Combustion Chamber: Primary Chamber
- Burning Chamber : Refectory lined
- Burning Quantity : Single Igniter
- Fuel : Electricity
- Operating/working Temperature : 600°C
- Water tank : 40 liter
- Feed Mode : Manual
- Panel: All controllers and indicators on separate panel
- Temperature monitoring : Digital controlled and indicator

- Thermostatic device : Yes
- Emergency stop : Yes
- Movable : Yes
- Auto Stop : Yes
- Automatic Process Control : Yes
- Ash Removal Provision: Yes (Manually)
- Odourless
- Smoke Treated
- Water Treated
- PH Value
- Comply with Pollution
- AVAILABLE LOADING CAPACITY:
500, 1000, 1500, 2000, 5000, 10000 Masks/day



SSS-926 PORTABLE / MOBILE INCINERATOR

Specification:

- Heaters : Diesel operated automatic burners.
- Insulation : Multi layer insulation is done with combination of insulating bricks & silicon fiber insulating blanket to avoid any heat loss.
- Front Loading Type: It is portable/moveable in nature, which can easily place in a small space in a corner of building.
- Consisting of Dual Chamber: Works on thermal destruction using controlled combustion chamber combustion is controlled and provides enough heat to destroy the waste into disposable state.
- Door : Fitted with hinges & handle for proper sealing to avoid heat loss.
- Temperature : Temperature of Primary/Burning chamber upto 1050°C and for secondary chamber up to 1450°C.
- Portable : Whole unit is mounted on sturdy wheels.
- Temperature: Temperature of Primary/Burning chamber up to 850°C and for secondary chamber 1000°C.
- Capacity: 25, 50, 100, 150 Kg/Hr.



INCINERATOR

SSS-927 MANUAL MICROTOME

FEATURES:

- Section Thickness Display
- Section Thickness Adjustment Knob
- Coarse Feed Handwheel
- Adjustable Knife Angle
- Spacious Section Waste Tray
- Standard Specimen Clamp and Universal Cassette Clamp
- Cross Roller Guideways
- Integrated Finger-guard



SSS-928 FULLY AUTOMATIC MICROTOME

FEATURES:

- Motorised Feed & Sectioning
- Motorised Sectioning at three different speeds
- Section & Trimming Thickness Display
- Section Counter
- Automatic/Manual Control
- Continuous Section/Single Section Control
- Fast Forward/Backward Function
- Section/Trimming Change Over
- Removable Section Waste Tray for easy cleaning
- Emergency Stop



SSS-929 ROTARY MICROTOME ERMA

Rotary Microtome is a highly versatile sectioning device suitable for Medical Institutions, Research & Pathological Laboratories. This microtome has special application for cutting thin sections of histopathological specimens and also caters to the demands of industries such as Plastic, Leather, Textiles, Rubber & Fertilizer.



SSS-930 SEMI AUTOMATIC MICROTOME

FEATURES:

- LCD Display with feather touch keypad
- Cutting/Trimming Mode
- Fast Forward /Backward Function
- Increase/Decrease Section Thickness
- Adjustable Retraction
- Motorised Feed Drive
- Finger Protection Guard
- Standard/Universal Cassette Clamp



INCINERATOR



SSS-931 ROCKING MICROTOME

It is designed for sectioning comparatively soft, wax-embedded tissues with a thickness range of 2 μm to 24 μm , in steps of 2 μm . Calibrated in 2 micron divisions, the section cutting thickness can be set easily and quickly by a single control. It is recommended for elementary biology & pathology students.



SSS-932 MANUAL CRYOSTAT MICROTOME

FEATURES:

- Manual specimen advance and sectioning
- Retraction mechanism ensures the safety of the specimen
- Intuitive control panel makes it easy to operate
- Spacious Stainless Steel Cryochamber which is easy to clean and disinfect
- Hermetically sealed and Thermostatically Controlled refrigeration system
- Lockable Handwheel
- Heated Window that prevents frost formation
- Chamber Illumination for clear visibility
- Built-in drainage system
- Easy mobility with heavy-duty castors
- Electronic Temperature Control
- Safety Alarm



SSS-933 SEMI AUTOMATIC CRYOSTAT MICROTOME

FEATURES:

- Motorised Feed Drive
- User friendly control panel with LCD display and keypad
- Dual compressor for rapid freezing. One compressor for cooling of chamber and freeze shelf and the other for freeze shelf
- Arbitrary switching between trimming and sectioning
- Adjustable cutting angle
- Movable
- In-built UV Sterilization
- Automatic and Manual Defrosting
- New blade holder for finger safety
- Enclosed drainage system
- Anti-roll device
- Section Counter
- Frost Free encapsulated microtome assembly
- Visible operating parameters at all times
- User-Friendly Control Panel
- Optional Motorised Sectioning
- Electrically heated window to prevent frost formation





MICROTOMES



SSS-934 SPENCER MICROTOME

Senior precision Rotary Microtome is manually operated microtome, used to produce thin sections of specimens of different hardness in both routine and research applications in Laboratory, Pathology and Histopathology, biology, medicine and institutes. The Rotary Microtome are designed to section soft materials embedded in paraffin as well as harder specimen, provided those specimen are still suitable for manual sectioning. The instrument ensures life-long smooth operation. Individual components are fabricated and assembled from selected material using latest technology.



SSS-935 FREEZING MICROTOME

Freezing Microtome is designed to the full purpose of accurate and quick diagnosis in surgery and also for the inspection of quality of rubbes and others. It has a table clamping device. The specimen rises accurately and automatically by a handle. The CO2 freezing attachment is provided with a hard rubber non-conducting plate between the corrugated surface to which the object is frozen and the rest of the apparatus, which prevents the conduction of heat from the other parts of the apparatus to the specimen; thus saving time and Co2.

In operating this freezing attachment the valve at the bottom should first be closed and valve at the cylinder slightly opened to admit the gas into the tube.



SSS-936 SLIDING MICROTOME

Sliding Microtome is a standard sectioning instrument especially designed for Research Laboratories for cutting sections of paraffin as well as celloiden embedded specimens. Sliding Microtome is having the advantage of vertical object feed by Micrometer Screw and Cylinder so rigidly held that perfect immobility under the knife is ensured, even when cutting relatively large, hard and in homogeneous specimens.



SSS-937 AUTOMATIC KNIFE SHARPENER MICROTOME

Automatic Knife Sharpener provides a precise, efficient and safe method for honing Microtome Knives upto 140mm in length, equipped with automatic timer 0-60 min. to adjust sharpening time. It ensure a knife edge so perfect that no subsequent strooping is necessary.



SSS-938 HAND & TABLE MICROTOME

Hand Microtome is used to cut thin sections of Microscopic materials, such as specimen parts of plants and animals.

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HISTOPATHOLOGY



SSS-939 AUTOMATIC TISSUE PROCESSOR

FEATURES:

- Programmable 12 stage timing sequence
- Silent & smooth motor and gear operation
- Stainless Steel tissue baskets and cassettes
- Standard over temperature cut off safety feature
- Two thermostatically controlled wax baths from 10 to 80 deg C
- With or without safety device
- Delay action of up to 24 hours



SSS-940 MICROPROCESSOR TISSUE PROCESSOR

FEATURES:

- Feather touch keypad
- Digital panel for adjusting time sequence
- Battery backup to retain data
- 12 stage timing sequence can be programmed with each step of 1 minute to 16 hours 39 minutes (999 mins)
- Delay action of 1 to 99 hours
- Two electronically controlled wax baths 10-80 deg C
- 1-2 stainless steel baskets
- 24 tissue containers (cassettes)
- 1 or 2 Stainless Steel Basket Rotors
- 10 without lip glass beakers

SSS-941 AUTOMATIC SLIDE STAINING MACHINE

FEATURES:

- Perfect H & E Stainer for routine applications
- Best used for Hematology and also for staining of Blood Films and Bone Marrow Spreads

ATTRIBUTE	VALUE
Operation	Automatic
Staining Troughs	12
Trough Capacity	16 slides
Trough Volume	450 ml
Inlet Outlet Trough	1
Slide Carriers	1
One hour calibrated timing discs	6
Half hour calibrated timing discs	NA
Notch Cutting Plier	Yes
Dust Cover	Yes



SSS-942 MICROPROCESSOR SLIDE STAINING MACHINE

FEATURES:

- Feather touch keypad
- Digital display for adjusting the timing sequence
- Battery backup to retain data
- Twelve stage timing sequence can be programmed with each step of 1 minute to 16 hours 39 minutes (999 minutes)
- Twelve staining troughs
- Compact benchtop model
- Complete H & E Stainer for routine operations
- High Specimen Throughput
- Minimum Reagent Exposure





HISTOPATHOLOGY



SSS-943 LINEAR SLIDE STAINER SMALL CAPACITY

FEATURES:

- Touch Screen LCD with user friendly software
- Smooth and noiseless lowering and lifting of slide carrier
- Battery backup to retain data
- Chamber Illumination
- Incorporated Exhaust Fan to collect and dispose of fumes



SSS-944 DIGITAL KNIFE SHARPENER

FEATURES:

- Program Control, easy operation
- Multipurpose Knife Holder
- Automatic Disc Levelling
- Buffer Adjusting Mechanism for turning knife
- Convenient loading and unloading for knife
- Low noise operation

ATTRIBUTE

VALUE

Knife Length	110-250mm
Thickness	Less than 13 mm
Grinding Angle	22-45 deg (half angle 11-22.5 deg)
Timing Range	1-60 mins
Knife Interval	5, 10, 25s and unilateral
Noise	60dB
Dimensions	586 x 555 x 426 mm

SSS-945 GROSSING WORKSTATION SINGLE USER

FEATURES:

- Integrated illumination with UV germicidal light
- Self-supporting undercarriage with adjustable legs
- Removable organiser bins
- Safety Splash Shield
- An adjustable set of stools with rest to reduce back strain

SOFTWARE FEATURES

- HD Camera with LED Illumination
- Touch Screen Monitor for easy operations
- Unlimited Data Record of Patients<
- Zoom-in / Zoom-out Image Process
- Units: mm/inch
- Easy to use<
- Video Recording
- Report Printing
- Identification mark on Tissue Measuring



SSS-946 LCD TISSUE EMBEDDING STATION

FEATURES:

- Five independent heating zones for better performance
- Automatic system start & stop (7 day memory)
- Electrically heated forceps holder on both sides
- Set temperature memorization
- Panel temperature display for all heated/cooled areas
- Paraffin control flow via keypad and footpedal

ATTRIBUTE

VALUE

Setting Temperature Range	ambient to 99 deg C
Paraffin Container Capacity	3 L to 5L
No. of Mold Warmer	1
No. Cassette Bath	1
Volume of preservation box	228x148x50mm
Size of embedding table	170x90mm
Size of Cooling Platform	320 x 300mm

- Bright illumination of the work area
- Two tissue preservation boxes



GEL DOCUMENTATION



SSS-947 GAS CHROMATOGRAPH SYSTEM

INNOVATIVE & ADVANCED FEATURES

- Micro Controller / Micro convector based system with auto diagnosis.
- 4 Line x 20 character backlit display.
- Auto diagnostics and self check on power on.
- Choice of FID, Dual FID, TCD & Micro TCD.
- Auto cooling with forced air convection through the Micro controller with user definable set point.
- Large soft touch membrane keyboard (32 key) with audible keep for positive contact.
- Individual alarm set points for all zones with user settable alarm limits.
- Electronic safety cut off with alarm (audio – visual) for all heated zones are also user settable.
- Isothermal as well as programmable Mode with 99 steps and 100 method files storage.
- Choice of Inlet systems – Packed, Capillary, Methanizer, PTV, GSV etc.
- EPC/AFC/DFC available optionally with 3 stage Flow control.
- Ambient to 450°C (Optional 500°C & Optional Cryo facility) with $\pm 0.1^\circ\text{C}$ control accuracy.
- RS 232 C link up to optionally available.
- Modular and compact design.



SSS-948 GAS CHROMATOGRAPH

INNOVATIVE & ADVANCED FEATURES

- 1/4" VGA Touch screen for complete system control & monitoring of the system parameters.
- Auto tuning PID temperature control for up to 8 channels with up to 2 programmable zones.
- EPC (Pressure or/and Flow) for up to 8 channel with up to 2 programmable zones.
- Up to 12 auxiliary device control with 4 step programming for control of external devices.
- Programmable FID with time based sensitivity / Gain settings.
- HS TCD with superb current stability & repeatability.
- Choices of detectors – FPD, PDHID / PDECD. Other detectors may be provided on request.
- Extensive Auto diagnostics & user friendly system control.



SSS-949 LAB VERSION ON-LINE GAS CHROMATOGRAPH

- Can be built using main frame or as an open ended system.
- Can be configured for single stream or multi stream operation with Heart Cut, Column Switching, Back Flushing, Fore Flushing etc., operations, i.e. basically a multi dimensional analytical setup.
- Can be configured with TCD, FID, PDHID, Micro TCD, NDIR, TLD etc.
- Remote indication of results on Process indicators up to 900 meters away using 4-20 mA.

Applications:

- Industrial Applications like Biogas, Greenhouse gases, Gas Mixing systems.
- DON / HON analyser.
- Inert Gas Analyser / Hydrocarbon Analyser.
- Hydrogen Isotope Analyser.
- Reaction Studies linked to TPD / TPR studies.
- Research Applications linked to Photochemical Studies, Catalysis studies, Chemical Reactions etc.
- Applications in the Atomic Energy & Defense Industries / Research.





GEL DOCUMENTATION



SSS-950 GEL DOCUMENTATION SYSTEMS 12 Mega Pixel

Simple to use, 12 megapixel digital camera based gel documentation systems. With removable hood and ultraviolet transilluminator, so that the transilluminator can be used separately to view gels.

Excellent optics coupled to a high quality camera, the Gel Documentation System, is a high performance and reliable fluorescent and colorimetric bio-imaging system. Featuring a 12 megapixel digital camera, the camera connects to a PC through a USB and can be controlled from the PC. The light-tight cabinet has a UV safety switch and a roll-out transilluminator. A choice of illumination options with UV trans/epi lighting, wavelength-specific LEDs and more, adds to the versatility of the system.

Features:

- 12 megapixels
- 8 bit grayscale
- 24 bit RGB
- Excellent image quality
- 3x manual optical zoom
- EtBr 590 filter
- 312 nm / 254nm / 365nm UV
- Operate camera via PC
- Timer on transilluminator, for auto-off of UV



SSS-95I GEL DOCUMENTATION SYSTEMS

Easy to use, low-cost, high quality mini-darkroom digital gel documentation systems. With a safe mini-darkroom with a roll-out transilluminator and 18 megapixel camera, 8-bit JPEG and 14-bit tif images with epi-white light. Gel camera is controllable from PC.

One of the easiest to use systems for gel documentation and electrophoretic imaging applications, the stands alone to provide the lowest cost yet high quality scientific gel visualization and analysis digital system for classrooms and labs.

The gel doc system offers reproducible, high-resolution digital images for gel documentation and imaging. Gel Documentation System is ideal if you have a limited budget because we have a lot of options for you. Purchase the basic system with the camera, transilluminator, darkroom hood and later add a printer or gel analysis software as the need arises.





GEL DOCUMENTATION



SSS-952 GEL DOCUMENTATION SYSTEMS

Super-sensitive yet affordable CCD camera based gel documentation systems. Darkroom with transilluminator and other lighting options. Manual and motorized lenses and filter holders. 1.4, 5.6 and 9 megapixel CCD cameras, with 12-bit and 16-bit pixel depth TIFF mages. Fast and accurate documentation and analysis of fluorescent and colorimetric gels. Sharp zoom lens coupled to a sensitive 16-bit CCD camera, the Gel Documentation System-CCD (Sensitive), is a professional gel and bio-imaging system. From colorimetric, to fluorescent imaging, and upgradeable to chemiluminescence; this gel system has all the options. Featuring a high resolution, sensitive scientific grade CCD camera and a motorized/manual zoom lens, the camera connects to a PC and can be controlled from the PC. The light-tight cabinet has a UV safety switch and a roll-out transilluminator. A choice of illumination options with UV trans/epi lighting, wavelength-specific LEDs and more, adds to the versatility of the system.

Features:

- 16-bit highly sensitive camera
- CCD imaging sensor
- Choice of 1.4 - 8 megapixel cameras
- Anti-reflective, microlens sensor
- Zoom lens, manual or motorized
- Cooled & ambient temperature
- Exposure Control from 0.01s to 100S
- 16-bit grayscale
- Superior signal-to-noise ratio, 68 dB
- Excellent dynamic range, 3.5 orders of magnitude
- EtBr 590 filter
- 312 nm/254 nm/365 nm UV
- Operate camera via PC



SSS-953 TRANSILLUMINATOR - ULTRA VIOLET AND WHITE LIGHT

Special glass filters that block all visible light and only pass ultraviolet rays of the designated wavelength. This ensures clear and distinct observation of gels placed on the transilluminator, with nearly no visible light.

The top of the transilluminator is made from brushed stainless steel, that's easy to clean and rust-proof.

Features:

- Long life UV quartz filter
- Special polymer filter mounted on hinges to block UV rays from harming the observer
- Transilluminator window sizes: 10 x 10 cm, 20 x 20 cm, 21 x 26 cm
- Electronic ballast ensures no humming and low heating of transilluminator
- Intensity control provided: 70% and 100%
- Transilluminator models also available without filter for low cost, student work





DIGITAL FIBER ESTIMATION KJELDAHL
& DEGESTION APPARATUS



SSS-954 DIGESTION APPARATUS

Our Digestion Apparatus have micro Model AEI12R.

Application: for digestion of plant samples , microprocessor based temperature controller (ambient to 4500C), digital display of temperature and time, casted aluminium alloy heaters for uniform heating and even digestion, auto fix exhaust manifold system for absolute fume trapping, KEL FLOW suction assembly for pollution free analysis , feather touch membrane keys with builtin safety features

B. AEI PLUS Automatic Micro Twelve Sample Autosequencing PC Compatible System (100 ml capacity) Model AEI12 VA DLS (Value Added Data logger version)

- 6 Sample
- 12 Sample
- 20 Sample
- 24 Sample



SSS-955 FULLY AUTOMATIC DIGESTION SYSTEM WITH AUTOLIFT FACILITY

- The auto lift enables automatic loading of sample tubes before digestion
- It also enables automatic lifting of hot digestion tubes along with the rack after completion of digestion
- The instrument senses the digestion completion cycle and automatically gives trigger signal to eject the digestion tubes with rack from the block.
- The main digestion unit mother board controls the auto lift mechanism & the operation of scrubber.



SSS-956 KJELDAHL AUTOMATIC PC COMPATIBLE DISTILLATION SYSTEM

Autosequencing Programmable Microprocessor based Distillation with inbuilt software, Colour Touch Screen high resolution TFT LCD Display,

- Auto Intelligent run of programmable steps, Addition of Boric Acid, Dilution, KMNO4 Addition for Available Nitrogen, Alkali Addition, Steam Processing, Residue Removal, Process over indication with inbuilt delay time features, Auto Titration Connectivity feature for future upgradation, Aspiration of Receiver Residue with inbuilt mini printer for instantaneous results on input of titre value with inbuilt formula for Nitrogen, Available Nitrogen, Ammonical Nitrogen etc. without connecting to pc.

Complete Automatic safety features.

- Facility to program and control distillate volume for determination of available nitrogen
- Auto sensing of "NO WATER" condition in condenser & steam generator with alarm & signal to alert user.
- Auto deactivation of operation after warning in case of user non availability
- Enables Automatic monitoring and measuring of high temperature in distillate with sensor for auto warning signal and safety alarm to alert user to control distillate temperature. Temperature displayed digitally.
- Auto reagent Level Sensor with Alarm for Reagents, Stainless steel non corrosive steam Generator



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DIGITAL FIBER ESTIMATION KJELDAHL & DEGESTION APPARATUS



SSS-957 AUTO NITROGEN ANALYSER

Application: For digestion of plants, soils, water, food & feed, Fertilizers & pesticides, cereals, pulses, heavy metals, general NPK digestion, etc.) Microprocessor based temperature controller (Ambient to 4500C), Digital display of temperature and time, Casted Aluminium Alloy Heaters for uniform heating and even digestion, Auto fix exhaust manifold system for absolute fume trapping, FLOW suction assembly for pollution free analysis , Feather touch membrane keys with built in safety features.



SSS-958 KJELDAHL APPARATUS

A. **AEI PLUS** Macro Twelve Sample System (250 ml capacity)

Application: for digestion of plants, soils, water, food & feed, fertilizers & pesticides, cereals, pulses, heavy metals, general NPK digestion, etc.) microprocessor based temperature controller (ambient to 450°C), digital display of temperature and time, casted aluminum alloy heaters for uniform heating and even digestion, auto fix exhaust manifold system for absolute fume trapping, kel flow suction assembly for pollution free analysis, feather touch membrane keys with built in safety features

B. **AEI PLUS** Automatic Macro Twelve Sample Auto Sequencing PC Compatible System (250 ML capacity) model KES 12L VA DLS (value added data logger version)

SSS-959 MACRO RAPID INFRARED DIGESTION SYSTEM (12/6 Samples)

AEI PLUS Microprocessor based eight place macro rapid infrared digestion system (250 ML capacity)

Application: For digestion of plants, soils, water, food & feed, fertilizers & pesticides, cereals, pulses, heavy metals, general npk digestion, etc. Micro brilliant microprocessor based temperature controller (ambient to 7500C) connected to heater source with auto calibration and auto tuning facility, infra red radiation energy generator ir lamps, auto fix exhaust manifold system for absolute fume trapping, kel flow suction assembly for pollution free analysis , feather touch membrane keys with built in safety features



SSS-960 SOLVENT EXTRACTION SYSTEM

Capacity : 2 place

Application : Automated solvent extraction for rapid, economic and safe estimation of soluble material in samples like food, feed, soil, polymers, textiles, paper, pulp, aromatic and medicinal plants, flower essence, etc

SSS-961 REGULAR SERIES FIBRE ESTIMATION SYSTEM

Application: For determination of crude fibre, NDF, ADF, ADL, Cellulose, Hemicelluloses, Lignin & related parameters in plant materials, compound feed, food etc. (In accordance with weende, van soest and other recognized methods)





MERCURY ANALYSER & UV EXPLORE

SSS-964 MERCURY ANALYSER

Features:

- Lower detection : 2 nanogram absolute
- Higher working linear range : 200 nanogram absolute
- Higher detection > 500 nanogram absolute
- Reads upto 3.0 ABS (linear range upto 0.4 ABS)
- Real-time peak detection and display on powerful analysis application
- Auto filter selection for Zeroing and Reading
- Pre-aligned optics allow easy lamp change operation
- Modular design to accommodate larger cells
- Fully automatic reading schedules with various configurable time period
- Automatic Dark current correction
- Proprietary Glassware holder to save space. Can be mounted on the analyzer or nearby
- Automatic reading schedule performs the following tasks autonomously
 - Auto Zero/Auto Hundred
 - Self Zero Check
 - Start Reading
 - Hold Maxima
 - Start Pump to initiate Mercury Flow into the chamber
 - Read complete snapshot
 - Stop Pump
 - Automatic record maxima reading for further analysis
- Autonomous application means all sample/standard reading follow exactly same period and process; thus eliminating error due to other factors



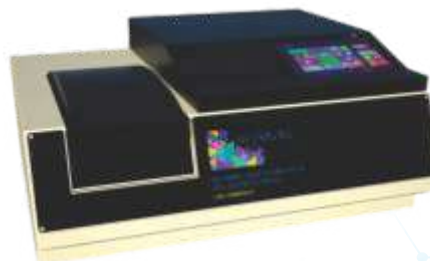
Specification:

Detection Limit	Lower detection : 2 nanogram absolute Higher detection > 500 nanogram absolute
Sample cell length	180mm
Photometric system	Single beam optics
Photometric range	Absorbance: 0.0 to 3.0 Abs
Light source	Plug-in pre-aligned Mercury lamp.
Detector	Single silicon photodiode sourced from Hamamatsu Photonics
Output device	USB through PC
Software	Mercury Analyzer (Microsoft Windows 7 and above)

SSS-965 UV EXPLORE

Features:

- Inbuilt Windows 10 based PC with high resolution multi-point capacitive screen
- Inbuilt Wi-Fi support. Run analysis from Laptop, Tablet without connecting any wire!
- Variable spectral bandwidth from 0.1 nm upto 4.0nm
- Free CFR21 part 11 analysis software with server-client architecture
- Sign PDF results digitally directing within application using DST key
- Auto wavelength selection and correction based on D2 peaks
- Individual control over D2 and Visible lamps to extend lifetime
- Pre-aligned optics allow easy lamp change operation
- High performance optical parts like mirrors, beam splitters, lenses
- Large sample compartment to accommodate various path length cuvettes
- Configurable scan wavelength from 0.1nm to 5nm for accurate/faster analysis
- Analysis applications supports the following modes:
 - Photometric
 - Quantization
 - Multi-wavelength
 - Scan Spectrum
 - Time scan Kinetics
 - DNA/Protein analysis
 - CloudAnalyst based downloadable test like
 - Floride
 - Nitrate
 - Boron
 - Iron
- Perform analysis on your Android based mobile/tablet using Bluetooth*



Specification:

Parameter	Details
Wavelength range	180 to 1,100 nm
Lamp interchange wavelength	Automatic changeover of wavelength with configurable wavelength.
Photometric system	Double beam optics
Resolution	0.1nm upto 4.0nm
Photometric range	Absorbance: -4.0 to 4.0 Abs
Light source lamp.	Plug-in pre-aligned Halogen lamp and Deuterium lamp.
Monochromator mounting	Blazed holographic grating in Czerny-Turner
Detector	Matched Pair - Dual Silicon photodiode sourced from Hamamatsu Photonics
Output device	Ethernet, Wi-Fi, Bluetooth, USB Mass Storage, Email, USB through PC
Optional -	Bluetooth wireless Printer
Optional Accessories	Microcell, Long path 20, 40, 50, 100 mm cell Circular Test Tube holder Peltier based constant temperature attachment controlled via software Automatic Multi-cell changer Software Scanalyse (Microsoft Windows 7 and above)



IMPORTED ITEM



SSS-966 ALUMINA CRUCIBLE 1750°C

General Specifications:

1. Alumina has a wide application due to its versatility and low material cost.
2. Temp. 1750°C.
3. Alumina crucible are available in many sizes and shapes.



SSS-967 DENSITY KIT FOR WEIGHING BALANCE

Density Kit

For solid density determination.
Suitable for MAB, HPB & PGM Series.
Can use for other weighing balance also.



Standard Accessories

Beaker Base, Beaker, PAN Stand, Pans
Suspension, Thermometer

SSS-968 LIQUID NITROGEN CONTAINERS

These small capacity containers are designed for transferring biological samples stored via manual work. They are light, portable and economical, with lower static evaporation loss.

Main Features:

- High-strength aluminum alloy structure, light empty weight.
- Multi-layer thermal isolation design.
- Hinged handle, portable.
- Optional locking cover to protect stored biological samples.



SSS-969 COATING THICKNESS GAUGE

- Measurement Range: 0~1300um
- Resolution: 0.1um / 0.01mil
- Accuracy: $\pm(2.5\%+1\text{um})$
- Resolution: 0.1um
- Power Supply: 4 x AAA (not included)
- Calibration Point: 0/50/100/250/500/1000um
- Operating Temperature: 0-40°C
- Operating Humidity: 20%~90%RH



SSS-970 DIGITAL 4 IN 1 SOIL PH MOISTURE METER

- Measuring Range 3.5 ~ 9.0 pH / -9 ~ 50
- Moisture DRY+, DRY, NOR, WET, WET+
- Sunlight LOW-, LOW, LOW+, NOR-, NOR, NOR+, HGH-, HGH, HGH+
- Resolution 0.1 pH / 1
- Accuracy $\pm 0.2\text{pH}$, $\pm 2^\circ\text{C}$
- Functions Light Intensity test
- Moisture Level test
- $^\circ\text{C}/^\circ\text{F}$ unit selectable
- Power Source 1 x 9v (9F22)
- Probe Length 200 mm



SSS-971 DIGITAL REFRACTOMETER 0-85% BRIX

- Measuring Range 0 ~ 85% Brix
- 0 ~ 80°C / 32 ~ 175
- Resolution 0.1% Brix
- 0.1°C / 0.1°F
- Accuracy $\pm 0.2\%$ Brix
- $\pm 0.3^\circ\text{C}$ / $\pm 0.5^\circ\text{F}$
- Light Source Yellow LED
- Measurement Time 1.5 sec
- ATC 10 ~ 40°C / 50 ~ 104°F
- Sample Volume 100 μL
- Power Source 1 x 9v (9F22)



SSS-972 ERMA HAND REFRACTOMETER

Particulars

Range 0-32% 0.2% minimum scale
For mid-range including fruit juices, canned goods with sugar content 28-62%
For high range sugar content as honey range 58-92%



SSS-973 FRUIT PENETROMETER HARDNESS TESTER

used to measure the hardness of apples, pears, watermelons, bananas and other fruits, to determine the maturity of fruits, to cultivate good varieties, picking time, processing time, harvest storage, export transportation and other reasonable control of time.





IMPORTED ITEM



SSS-974 HALOGEN MOISTURE BALANCE ANALYZER

Features:

- 100g Capacity
- 1 mg (0.001g) Resolution
- 0.01% Moisture Readability
- 90mm Platform
- TFT Touchscreen Display
- Halogen Heating Element
- Data store & bar code numbering
- One touch printing facility (optional printer separate)



SSS-976 PAPER MOISTURE METER

- Display: Large LCD display
- Range: 0-40%
- Resolution: 1%
- Operation temperature: 0°C~50°C 20~90%RH
- Battery consumption: approx.7.5mA
- Power: 9V battery



SSS-978 METAL HARDNESS TESTER

- Measuring range: (170-960)HLD, (17-68.5)HRC, (19-651)HB, (80-976)HV, (30-100)HS, (59-85)HRA, (13-100)HRB
- Measuring direction :360° (?????)
- Hardness Scale : HL?HB?HRB?HRC?HRA?HV?HS
- Display :Backlight LCD
- Data memory: max. 100 groups (relative to impact times 32~1)
- Working voltage: 3V (2 x AA battery)
- Continuous working period: about 100 hours (With the backlight off)
- Communication interface: RS232



SSS-981 LIGHT MAGNIFIER

- Lens Size 75 mm
- Magnification 3x
- No. of LEDs 5-white



SSS-975 INFRARED THERMOMETER 550°C

- Measuring Range: -50 to 550°C
- Resolution: 0.1°C/0.1°F
- Accuracy: 1.5°C/1.5%
- Distance Spot Ratio: 12:1
- Emmissivity: 0.95 (fixed)
- Units: °C/°F



SSS-977 PROFESSIONAL GAS TESTING METERS

- Gas Testing Meters
- Nitrogen Gas Detector
- Measuring Range: 0-100% VOL
- Resolution: 0.1%
- Accuracy: +/-3% F.S
- Repeatability: 3%
- Working RH: 10-95%RH
- 2500 mAh built-in rechargeable battery
- Warm Up time: 60 seconds
- Working Pressure: 86kPa~106kPa
- Proofing Class: IP



SSS-979 PARAFILM 4" & 2"

Parafilm is flexible and self-sealing material that clings around irregular shapes & surfaces. Parafilm is an all-purpose laboratory film that covers and shields your products from moisture while allowing gas permeability.



SSS-980 BASIC MAGNIFIER

LENS SIZE	MAGNIFICATION
50 mm/ 2?	2.25x
60 mm/ 2.5?	2.25x
75 mm/ 3?	2.25x
100 mm/ 4?	2.25x



SSS-982 STAGE MICROMETER



SSS-983 THREAD COUNTER WITH LIGHT



✉ saraswatiscientificsurgicals@gmail.com



IMPORTED ITEM



SSS-984 6 IN 1 MUTI PARAMETER TESTER

- LARGE LCD DISPLAY: pH, Conductivity, TDS, Salinity and Temperature simultaneously. Displays Maximum/Minimum value and data hold.
- Automatic Temperature Compensation (ATC) and degree $^{\circ}C/^{\circ}F$ switchable.
- Waterproof IP-57 standard and rugged design for field use conveniently. It can float on water.
- Low battery and consumption indicator. Auto shut off after 10 minutes of non use.



SSS-985 ABBE REFRACTOMETER

The Abbe Refractometer is a high quality abbe refractometer with digital temperature measurement. Crafted in Taiwan & gives accurate reading.

- Measuring Range: nD: 1.3000 ~ 1.7000, Brix: 0~95%
- Temp. Resolution: 0.1 $^{\circ}C$
- Accuracy: nD: ± 0.0002 , Brix: $\pm 0.1\%$
- Dimensions: 270 x 180 x 370 mm
- Weight: 3 kg

SSS-986 ANEMOMETER WITH PROBE

- Measuring Items: Air Velocity & Air Temperature
- $^{\circ}C/^{\circ}F$ Selection
- Backlight display
- Max/Min reading (Air velocity)
- Average/Current reading (Air velocity)
- Data hold



SSS-987 DIGITAL ABBE REFRACTOMETER

- Measuring Range: 1.3000-1.7000 nD
- 0~95% Brix
- Accuracy: nD: ± 0.0002
- Brix: $\pm 0.1\%$
- Temp. Resolution: 0.1 $^{\circ}C$
- Correction Range Brix v/s Temp. : 15~45 $^{\circ}C$
- Usage Temperature Range : 35 $^{\circ}C$ (room temperature)
- Interface : Rs232
- Lamp : 6.5v, 0.3A
- Power Source : AC 220V / 50Hz



SSS-988 CARBON MONOXIDE METER

- Detection of gas: air, carbon monoxide
- Measuring range: 0 ~ 1000ppm
- Resolution: 1 ppm
- Minimum reading: 1 ppm
- The basic error: $\pm 5\%$ (F.S), ± 10 ppm
- Response time: 60 seconds
- Sensor Type: Electro-chemical CO sensor
- Auto power off function: Yes
- LCD back-light display: Yes
- Working environment: 0 ~ 50 $^{\circ}C$, 32 ~ 122 $^{\circ}F$, 10 ~ 90% RH
- Preservation of the environment: -10 ~ 80 $^{\circ}C$, -14 ~ 176 $^{\circ}F$, 10 ~ 75% RH



SSS-989 DIGITAL THERMOMETER PEN TYPE

- Measuring Range -50~70 C/-58~158
- RH: 10~99%
- Resolution 0.1 $^{\circ}C$ / 1%RH
- Accuracy $\pm 1^{\circ}C$ / 5%RH
- Functions $^{\circ}C$ & $^{\circ}F$ unit selectable
- Max/Min Reading
- 12/24HR Clock
- Reset Memory
- Outdoor Temp. Probe
- Simultaneous IN/OUT
- Temp. display
- Power Source 1 x 1.5v (AAA)



SSS-990 OCULAR MICROMETER



SSS-991 PTFE MAGNETIC STIR BAR (OVAL)



SSS-992 PTFE MAGNETIC STIR BARS (SEMI-OCTAGONAL)





IMPORTED ITEM



SSS-993 GRAIN MOISTURE METER

Measuring Range Moisture: 5~30%
 T: -50~60°C / -58~140°F
 Resolution 0.5% / Temp.: 0.1°C / °F
 Accuracy Moisture: ±(1%RH+0.5)
 Temp. ±2.5°C (±5°F)
 Grain Selection Paddy, Wheat, Barley,
 Forage, Corn, Rapeseed, Soyabean, Rice
 Functions °C & °F unit selectable



SSS-994 HUMIDITY & TEMPERATURE METER (Fridge)

Measuring Range -10~50 C
 -30~1000°C (K type)
 -5~98% RH
 Resolution 0.1°C/0.1%RH
 Accuracy ±1.0°C
 ±3% (30-95%)
 ±5% (10-30%)
 Functions °C & °F unit selectable
 Data Hold
 Power Source
 Max/Min Reading
 Power Source 1 x 9V (9F22)



SSS-995 MULTI STEM THERMOMETER

- Measuring Range -50~300 C / -58~572
- Resolution 0.1°C
- Accuracy ±1.



SSS-996 ULTRASONIC THICKNESS GAUGE

- Measuring Range 1.2~220mm (Steel)
- Resolution 0.1 mm
- Accuracy ±(1%±0.1)mm)
- PMLL* Φ20*3mm (Steel)
- Sound Velocity 1000~9999m/s
- Working Frequency 5MHz
- Functions Auto. zero adjustment
- Date store function
- PMLL*=Pipe measuring lower limit



SSS-997 DIGITAL THERMO HYGROMETER WITH SENSOR



SSS-998 TALLY COUNTER



SSS-999 DIGITAL THICKNESS GAUGE



SSS-1000 DIGITAL ALTIMETER BAROMETER



SSS-1001 DIGITAL LUX METER



SSS-1002 DIGITAL ANEMOMETER ECONOMY



SSS-1003 DIGITAL MICROMETER 25MM



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IMPORTED ITEM



SSS-1004 pH METER PEN TYPE

- Measuring Range: 0.0~14.0 pH
- Resolution: 0.1 pH
- Accuracy: ± 0.2 pH, ± 0.1 pH(at 20°C)
- Calibration: 1 point (screw type)
- Operating Temperature: 0~50°C



SSS-1005 DIGITAL SALINITY METER

- Range: 0.0-100ppt
- Resolution: 0.1ppt
- Accuracy: 2% F.S
- Power: 4 x 1.5V (included)
- Calibration: 1 point
- Dimension: 172x26x26mm
- ATC: 0-60°



SSS-1006 PH ORP TEMP. METER

- Color : Black
 Material : ABS
 Calibration at pH : 6.86 or 7.00, 4.01 or 10.00
 Range : pH: 0.00 ~ 14.00pH
 Temperature : 0° ~ 100°
 ORP : 0 ~ ± 1999 mV (ORP electrode needs to be purchased separately.)
 Resolution : pH: 0.01pH
 Temperature : 0.1°
 ORP : 1mV
 Accuracy : pH: ± 0.01 pH
 Temperature : ± 0.5 °
 ORP : ± 5 mV
 Temperature Compensation : 0° ~ 60°
 Working Temperature : 0° ~ 60°
 Power Supply : 1 * 9V Battery (Not Included)



SSS-1007 PH PAPER ROLL WITH DISPENSER

- Measuring Range 1~14
- Roll Length 5 meter
- Strip Width 8 mm
- DISPENSER Round



SSS-1008 PORTABLE ORP METER

- Measuring range: -1999~1999mV
- Accuracy: ± 5 mV
- Resolution: 1mV
- Operating Temperature: 0°C~50°C
- Automatic Temperature Compensation: 0°C~50°C



SSS-1009 SOIL PH MOISTURE METER

- Measuring Range PH: 3 ~ 8 pH
- Moisture: 1 ~ 8
- Resolution 0.2 pH
- Accuracy ± 0.2 pH
- Testing Time 3 minutes
- Power Source No batteries required
- Caution Not for saline or alkaline
- Soil with 7+ pH



SSS-1010 SOUND LEVEL METER

- Measuring Range 30 ~ 130dB A
- Resolution 0.1dB
- Accuracy ± 1.5 dB
- Frequency Response 31.5Hz ~ 8KHz



SSS-1011 TDS METER PEN BASIC MODEL

- Measuring Range 0 ~ 9990 ppm (mg/L)
- Resolution 1 ppm (upto 999ppm)
- 10 ppm (1000~9990ppm)
- Accuracy $\pm 2\%$ F.S (at 20°C)



SSS-1012 TDS PH TEMP. COMBO METER

- Measuring Range 0.00 ~ 14.00 pH
- 0 ~ 19990 ppm
- -50°C ~ 70°C
- Resolution 0.01pH/10ppm/0.1°C
- Accuracy ± 0.1 pH/ $\pm 2\%$ F.S/ ± 10 °C
- ATC 0°C ~ 50°C





IMPORTED ITEM



SSS-1013 RHEOMETER

Features:

- New user interface enhanced controls
- Displayed with test data
- Built-in RTD temperature probe
- Real-time graphing supports multiple languages
- Speed/Spindle step program status
- Math model calculations
- Built-in math models for data analysis in stand-alone mode.

Specification:

- Accuracy: $\pm 1.0\%$ of range
- Repeatability: $\pm 0.2\%$
- 7-inch full-color touch screen display



SSS-1014 TEXTURE ANALYZER

- Accuracy $\pm 0.1\%$ of set speed
- Application Industrial Use, Laboratory Use
- Resolution 01 mm
- Load ranges Up to 50 kg

An extensive history and customer input have contributed to the development of the most powerful, low cost, stand-alone Texture Analyzer ever produced. With six test modes (plus calibration check) and a wide choice of accessories, no other texture analyzer has ever done so much without a computer and software.

7 measurement ranges up to 50kg For A Wide Range Of Tests While many accessories have multiple applications, some are particularly useful for specific industries.

SSS-1015 DIGITAL VISCOMETER 8 SPEED

- Measuring Range 20 ~ 2,000,000 (mPa.s)
- No. of Speeds 0.3, 0.6, 1.5, 3, 6, 12, 30, 60 RPM (8 speeds)
- Spindles #1, #2, #3, #4 is standard configuration
- Accuracy $\pm 1.0\%$ Full Scale
- Repeatability $\pm 0.5\%$ Full Scale
- Display LCD
- Temp. Reading Option (separate probe TM-220 optional)
- Functions With auto range function
- Liner Calibration
- Sound Alarm at under 20% Torque
- Time Function
- High quality Stepping Motor
- Power Source 100V-240V
- Carton: 52x 24x 44 cm – 9 kgs





IMPORTED ITEM



SSS-1016 TINTOMETER

A visual colorimeter designed to optimise the use of tintometer glass filters in order to express colour in terms of tintometer Red, Yellow, Blue and Neutral.

It is arranged with two adjacent fields of view, seen through the viewing tube, so that the product in the sample field and a white reflective surface in the comparison field are observed side by side, suitably illuminated.

The tintometer glasses are introduced into the comparison field by a simple system of sliding racks, allowing the user to compare the colour of light which is either transmitted through, or reflected from, the sample.

A series of neutral glasses in racks is also supplied; these can be introduced into the sample field to 'dull' the colour of products which are too bright to obtain a good colour match using tintometer Red, Yellow or Blue glasses. The racks allow a visual colour match to be found from the light from the sample and its colour can then be expressed in tintometer units.

Specifications:

- Weight: 3 kg
- Measurement Range: 0-500 Hazen
- Dimension: 415x375x200 mm



SSS-1017 COLOR COMPARATOR

An extremely robust and versatile modular system for testing water. It is easy to use in any environment and uses a prism enabling colour matching in the same field of view. Longer path length cells can be used for lower concentration analysis and a diffuser plate allows the measurement of turbid water samples.

SSS-1018 ULTRASONIC CLEANER

DIGITAL ULTRASONIC CLEANER WITH LID TIMER & HEATER

2 litres to 25 litres

The Ultrasonic energy is produced by converting electrical energy in to Mechanical Vibrations by using generator and piezo Electric Transducers. Due to Mechanical Vibrations in cleaning liquid this Phenomenon is called cavitation. In a very short time it removes all dirt & foreign bodies from components which are immersed in the cleaning liquid

SALIENT FEATURES

- Continuous Self Tuning Circuitry For Any change In Workload, Liquid Level And Bath Temp
- Uniform Cavitations Through Out The Tank
- Separate Oscillator Eliminates Damage To Generator In Case of Failure Of Transducers
- Using 40 Khz Frequency For Effective Cleaning With Low Noise
- Designed For Complete Cleaning Of Small and Large Components Without Dismantling
- Inner tank and Outer body made of Stainless Steel





IMPORTED ITEM



SSS-1019 DIGITAL WEIGHING BALANCE 10KG/0.1GM



SSS-1020 DIGITAL WEIGHING BALANCE 5KG/0.1GM



SSS-1021 BASIC WEIGHING SCALE

Measuring Capacity 10 Kgs
Resolution 1 gram
Power Source 2x 1.5v (AAA)



SSS-1022 WEIGHING SCALE WITH WINDSHIELD

- Measuring Capacity 500 / 600 grams
- Resolution 0.01 gram
- Power Source 2x 1.5v (AAA) or DC 6V



SSS-1023 WEIGHING SCALE 0.001gm -500gm

SSS-1024 WEIGHING SCALE 0.0001gm



SSS-1025 WEIGHING SCALE 100KG



SSS-1026 DIGITAL BALANCE 10KG



SSS-1027 WEIGHING SCALE 2 KG

- Measuring Capacity 2 Kgs
- Resolution 0.1 gram
- Power Source 2x 1.5v (AAA) or DC 6V



SSS-1028 DIGITAL PORTABLE WEIGHING SCALE UPTO 40kg



SSS-1029 POCKET SCALE



SSS-1030 CRANE SCALE



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FOOD & BAKERY LAB



SSS-1031 4 BURNER GAS



SSS-1032 ELECTRIC BAKING OVEN



SSS-1033 CHICKEN GAS ROTISSERIES



SSS-1034 CHIPS CUTTER



SSS-1035 CONE BAKER



SSS-1036 2 JAR COLD DISPENSER



SSS-1037 DISPLAY WARMER WITH HOT-DOG BROILER



SSS-1038 QUEUE MANAGER 6FT



SSS-1039 AUTO ELECTRIC SALAMANDER



SSS-1040 BONE SHAW



SSS-1041 BLENDER



SSS-1042 BREAD SLICER



SSS-1043 RICE STEAMER



SSS-1044 ROTARY TOASTER



SSS-1045 SALAMANDER TOASTER





FOOD & BAKERY LAB



**SSS-1046
ELECTRIC OVEN**



**SSS-1047
ELECTRIC PIZZA OVEN**



**SSS-1048
ELECTRIC SHORMA**



**SSS-1049 ELECTRIC
BAIN MARIE**



**SSS-1050
HOT DOG BROILER**



**SSS-1051
ICE CRUSHER**



**SSS-1052
ICE CUBE MACHINE**



**SSS-1053
PATATO PEELER**



**SSS-1054
PLANTARY MIXTURE**



**SSS-1055
CITRUS JUICER MACHINE**



**SSS-1056
MEAT MINCER**



**AEI-PW-357
PLATE WARMER**



**SSS-1058
PIZZA CONVEYOR OVEN**



**SSS-1059
SANDWITCH GRILLER**



**SSS-1060
ELECTRIC DEEP FRYER**



**SSS-1061
GRIDDLE PLATE**



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ENTOMOLOGICAL LAB



SSS-1062 CABINET FOR GLASS SPECIMEN TUBE BOX

Cabinet Frame of Thick Ply-board Finished With Laminated Sheet for Storage of Boxes. Hinged Door Is Provided With Lock and Handle and Is Lined With Velvet.



SSS-1063 BREEDING NEST FOR CHRYSOPA

Teakwood Frame With Silk Screen Net on Sides and Collapsible Cover on Side & It Can Be Fixed in Position With the Help of Leavers. Top Sliding Plank of Mdf Covered With Black Cloth From Inside.



SSS-1064 BREEDING NEST FOR FILES

- Teakwood Frame Finished in Spirit Polish. 4mm Thick Glass on
- Top and Fine Wire Mesh on Three Sides. Front With 13 Cm
- Rounded Opening in the Center With Black Cloth Sleeve. On Right Side a Plumbic Pipe Fitted for Collection of Files
- Size -45cmsx45cmsx45cms (18"X18"X18")



SSS-1065 CARCYRA REARING SYSTEM

Fabricated of Iron Angle Frame. For Keeping Crushed Jowar, 13 Nos. Of Mild Steel Trays of Size 45x45x5cm Are Provided. Funnel Shaped Tray at the Bottom for Taking Insects to the Container. Beautifully Painted. Transparent Polythene Sheet and Black Colour Rexian Cloth for Covering the Structure.



SSS-1066 INSECT SETTING SHOWCASE

Frame Work Fabricated of Seasoned Wood. Joints Are Tongs and Grooves Type. Glass Frame Lid and Plywood Bottom With Tongs & Grooves Type Joints.



SSS-1067 INSECT SPREADING BOARD

Made of wood which is covered with non scaring, washable synthetic 8 mm EVA sheet suitable for repeated pinning. Grooves smoothly adjustable in which for various sizes of abdomen of various insect upto 12 mm.



SSS-1068 PLANKTON COLLECTION NET

Collection bag made of bolting netting cloth suspended by muslin reinforcement & mounted on a strong wire.



SSS-1070 PHEROMONE TRAP

Plastic Funnel with shade and polythene tube for collection of specimens.



SSS-1072 INSECT BREEDING NET CAGE

Useful for Breeding of Insects in Natural Environments Made With Strong Wire 5" Dia 8" Long Mounted With Synthetic Netting.



SSS-1069 BROWN PLANT HOPPER INSECT REARING CAGE

Framework of Seasoned Teakwood. Front Door and Top Provided With Non Rattling Glass and Back and Two Sides With Nylon Wire Screen Supported by Fine Wire Mesh. Wooden Base Covered With Sun Mica From Inside. Size 40cms X 40 Cms X 45cms



SSS-1071 INSECT COLLECTION NET

Strong Wire Ring 12 duly Painted. Anodized Aluminium Fitted With Hand Grip.





ENTOMOLOGICAL LAB



SSS-1073 INSECT SHOWCASE CABINET (LARGE)

- Capacity 12 showcases
- Capacity 24 showcases
- Capacity 30 showcases



SSS-1075 INSECT KILLING JAR

Glass with bakelite screwing cap and absorbent plaster in base, without chemical.



SSS-1077 INSECT GROWTH CHAMBER

Insect Chambers provided the ideal environment to stimulate a variety of entomological studies in medium and high volumes. With its wide temperature range of 5°C to 70°C and humidity range from 20% to 98% RH the Insect growth Chambers offer reliable results for insect rearing experts in numerous fields and disciplines. Insect Growth chambers come standard with phenolic coated coils, protecting interior components and contributing to a long operating life because most insect growth studies, such as the rearing of the fruit fly, create acidic secretions.



SSS-1081 YELLOW STICKY PAN

- Color Yellow
- Material Plastic



SSS-1082 YELLOW STICKY TRAP

Color Yellow
Size (cm) Multi



SSS-1084 SPECIMEN TUBE (GLASS)

Made of Borosilicate Glass Screw Cap. Size 75x25mm.



SSS-1074 INSECT STORAGE BOX

Frame work fabricated out of seasoned wood with tongs & grooves type joint.



SSS-1076 INSECT SPECIMEN TUBE CABINET

Capacity 500 specimen tube of 75mm x 25mm size. Cabinet frame of plyboard with melamine lamination. Hinged door is provided with lock and handle and is lined with velvet. Provided with 5 drawers each for 100 specimen tubes.



SSS-1078 CURATOR BLOCK

Hardwood block with provision for keeping insect pins, labels, points and other small tools. Bottom section having holes for pins and block section has holes for forceps, scissors etc.



SSS-1079 STEP TYPE INSECT PINNING BLOCK

Made of hardwood with holes 25mm, 12mm & 7.5cm.



SSS-1080 ENTOMOLOGICAL PINS (IMPORTED)

Pack of 100 Pins Approx.



SSS-1083 INSECT LIGHT TRAP FOLDING (PLASTIC) WITH MERCURY BULB

- Asecure method to protect crops from insect pests without using chemical pesticides.
- Traps adult insects of both sex thus eliminating chance of their breeding.
- Completely safe No. Pollution, no harmful effects.
- Option to use multiple type of lights, e.g. Bulb CFL, Mercury Bulb etc. Depending upon specific crop pests.
- Economical, only one unit sufficient for 1-2 acre crop area. Consume very less electricity.
- Almost zero maintenance.





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