



# YSP SCIENTIFIC SOLUTIONS

ONE STOP SOLUTIONS FOR ALL TYPES OF LAB NEEDS

★ ISO 9001:2005



★ GST NO: 33AACFY1791J1ZY

Laboratory Products | Instruments | Furniture | Equipments | Chemical | Glasswares | CRM  
PUF Panels & Doors | Cleanroom Design | PU Flooring | Model Interiorwork | Polycarbonate Shed Work



## PRODUCT CATALOGUE



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## LABORATORY RESEARCH EQUIPMENTS

### AUTOMATIC NITROGEN / PROTEIN ANALYSER

» Determination of Nitrate nitrogen, Total nitrogen Ammonical nitrogen, Devarda, Available nitrogen, in agricultural labs with plants, soils & fertilizers.

#### BLOCK DIGESTION SYSTEM

\* Automatic Kjeldahl Digestion unit with 4 / 6 / 8 / 12 / 20 position



#### CLOSED REFLUX COD DIGESTER

\* Very less qty of samples is permissible as the digestion is carried out with closed cap vials.  
\* Capacity : 25 sample tubes  
\* Digest closed micro reflux COD vial according to ST-COD method



#### NITROGEN DISTILLATION SYSTEM

\* Automatic Kjeldahl Distillation System  
\* Auto Addition of Dilution / NaOH / Boric acid / KmNo4 Based on Chosen Model



#### ACID NEUTRALIZER SCRUBBER

\* 3 Stage Automatic Water Saving Acid Neutralizer Scrubber



#### RECIRCULATED WATER CHILLER

\* Refrigerated water Cooling system



### SOXHLET EXTRACTION SYSTEM / AUTOMATIC FAT ANALYZER

\* Automatic Soxhlet Extraction unit with 2 / 4 / 6 / 8 position

**Application :** Soluble material for selective extraction of solid and semi solid products by solvents with Randall technique in samples like food, feed, egg, meat, meat products, milk, dairy products, confectionary products, polymers, textiles, paper, pulp, aromatic and medicinal plants, flower essence, cereals, pulses, oil seeds, fruits, lipids, starch and other dietary samples.



### CRUDE FIBRE ANALYZER

\* Automatic Crude fibre Analyzer with 2 / 4 / 6 / 8 position

Determination of Crude fibre, NDF, ADF, ADL, Cellulose, Hemicelluloses, Lignin & related parameters in plant materials compound feed, food etc. Fibre Determination in accordance with weende, van Soest and other recognized methods.



### MUFFLE FURNACE

\* Compact in design and space saving  
\* Max Temp. 950°C & Operating Temp. 930°C

Application: Ashing samples, Brazing Creating enamel coatings, Drug inspections, Identifying chemical properties, Materials research Nuclear fuel disposal Pretreatment of medical samples Soldering Water quality analysis



### HOT AIR OVEN

\* Temp Range : Ambient to 250°C  
\* Temp. Accuracy : ± 2 °C  
Sizes: 45 L, 95 L, 125 L, 224 Litres

Application: Sterilise materials such as glassware, chemicals, and sealed containers



### INCUBATOR

\* Temp Range : Ambient to 50°C  
\* Temp. Accuracy : ± 2 °C  
Sizes: 45 L, 95 L, 125 L, 224 Litres

Application: including cell culture, pharmaceutical studies, hematological studies, and biochemical studies



### BOD INCUBATOR

\* Temp Range : 5°C to 60°C  
\* Temp. Accuracy : ± 1 °C  
Size : 112 Litres

Application: Determining levels of organic matter and nitrogen in waste water samples



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## LAMINAR FLOW CABINETS

\* Sizes: 3ft, 4ft, 5ft & 6 ft

\* Filter : HEPA

Applications: life science research, mushroom cultivation, microbiology, IVF, IUI and histopathology / pathology lab, plant tissue and cell culture and pharmaceutical and electronics industry



## BIO SAFETY CABINETS

\* Class II A2, B2 & III

\* Filter : HEPA

Application: Scientific research, teaching, clinical testing, and production in the fields of microbiology, biomedicine, genetic engineering, and biological products.

The biosafety cabinet is the basic safety protection equipment in the first-level protective barrier of laboratory biosafety



## AUTOCLAVE

\* Sizes : 22 L , 40L and 50 Litres

Application: Decontaminate certain biological waste and sterilize media, instruments and lab ware.



## ORBITAL SHAKER

\* Shaking Motion: Orbital

\* Shaking Speed Range

01 - 300 RPM

\* Platform Size & Type

420 X 420mm & Universal



## INCUBATOR SHAKER / REFRIGERATED SHAKER

\* Shaking Speed

Range : 50 - 250 RPM

\* Temp Range :

Ambient to 50°C for Incubator /

5 to 50°C for Refrigerated Shaker

Application: Cell culture, fermentation, hybridization, biochemistry, enzyme, and cell tissue research



## UV - VIS SPECTROPHOTOMETER

\* Single Beam / Double Beam

UV-VIS Spectrophotometer

\* Bandwidth : 2nm



## PRECISION BALANCE

\* Readability :  $\pm 0.1$  /  $\pm 0.01$  /  $\pm 0.001$

/  $\pm 0.0001$  /  $\pm 0.00001$

\* Display : LCD



## DIGITAL ROTATIONAL VISCOMETER

\* Digital Rotational Viscometer is the Perfect instrument that provide Repeatable & Linear Results



## PH METER

\* Large back light LCD Display shows mode indicator, pH Value, temperature

\* 3 point push - button calibration with automatic buffer recognition



## WATER QUALITY MULTIPARAMETER

\* Measure several parameters such as pH, dissolved oxygen, turbidity, salinity, conductivity, and temperature



## TITRATION SYSTEM

Application: Acid base, Non Aqueous, Redox, Argentometric, Precipitation, Complexometric, Enzyme activity, EDTA, Tan / TBN, pH Stat surfactant analysis moisture insolvents & transformer oil.

Models: Automatic Potentiometric Titrator / Karl Fischer Titrator / Coulometer



## MOISTURE ANALYZER

Touchscreen Halogen Moisture Analyzer combines high quality and durable construction in a compact design.

This is a dependable machine which gives accurate results for a wide variety of moisture analysis applications.



## DIGITAL ABBE REFRACTOMETER

\* Measurement of Refractive index nD of transparent or translucent liquid and solid substance

\* Measurement of Brix of sugar solution



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## REFRIGERATED LAB CENTRIFUGE

- \* Detects Rotor Automatically and Sets Maximum RCF on its Own
- \* Refrigeration Temp. up to -10°C
- \* Adjustable Speed Range From 500 to 15000 RPM



## MAGNETIC STIRRERS WITH HEATING

- \* Hot plate with magnetic stirrer is to conduct biological, heredity, medicine and health, environmental protection and biochemistry laboratories and chemical experiments by mixing



## AUTO COLORIMETER ANALYSER

- \* Compact and easy to operate instrument for Photo Colorimeter analysis of any concentration.



## PROBE SONICATOR

- \* Microprocessor controlled and completely programmable Auto-tuning power control convenience for user
- Application: Prepare Tissue, Accelerate Enzymatic Reactions, Disperse Solids Dissolve Powders, Extract DNA / RNA Prepare Emulsions, Accelerate Chemical Reactions, Degassing of Liquids, Dissolve Tablets, Extract Proteins Immiscible Liquids, Stimulate Bacterial Activity, De-agglomerate Powders, Emulsify Cosmetics, Emulsify Liposomes



## PIPETTES

- \* High accuracy, High Performance



## DIGESTION TUBE

- \* 250ml capacity for all brand Nitrogen / Protein Estimation system



## BEAKER

- \* 120ml capacity for all brand Solvent Extraction System



## NITROCELLULOSE THIMBLE

- \* Nitrocellulose Micro Thimble and Macro Thimble



## CRUCIBLE

- \* Crucible for all brand Fibre Extraction system



## GLASSWARE



## LAB PLASTICWARE



## LAB CHEMICALS



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