RAISE
LAB EQUIPMENT
Committed To Deliver The Best

Introducing Raise Lab Equipment:
Quality Control Instruments for All Laboratories

About Us:

Raise Lab Equipment specializes in providing top-tier quality control instruments for laboratories of all kinds, with a strong focus on the pharmaceutical industry. Our commitment to excellence is reflected in our adherence to Pharmacopeia norms of USP, BP, JP, and IP, as well as GMP standards. As an ISO 9001:2015 certified company, we ensure that every instrument we manufacture meets the highest quality and regulatory standards.

Our Vision and Mission:

At Raise Lab Equipment, our vision is to be the leading provider of innovative and reliable laboratory instruments worldwide. Our mission is to empower laboratories by delivering advanced, customized solutions that enhance quality and efficiency through improved technology and automation.

Tailored Offerings:

We understand that each laboratory has unique needs, so we provide customized solutions tailored to your specific requirements. Our range of instruments is designed to help you improve the quality and efficiency of your operations, ensuring accurate and reliable results every time.

Why Choose Us?

Compliance with Standards: All our instruments are manufactured in compliance with USP, BP, JP, and IP norms and follow GMP standards.

Certified Quality: We are an ISO 9001:2015 accredited company, ensuring top-notch quality in every product.

Customized Solutions: We offer tailored solutions to meet the unique needs of your laboratory.

Innovation and Automation: Our instruments incorporate the latest technology to enhance laboratory efficiency and effectiveness.

Choose Raise Lab Equipment for your laboratory needs and experience the difference that quality, compliance, and customization can make.

CONTENT

Antibiotic Zone Reader mZR

The antibiotic zone reader provides an immediate and accurate method for determining the strength of antibiotic materials by measuring the diameter of an inhibition zone in a Petri-dish.

Antibiotic Zone Reader (Model :mZR) measures the diameter of the inhibition zone from 0.01 mm to 35.00 mm with an accuracy better than 0.05 mm.

Features:

- User Friendly Operational Procedure.
- Economical & Cost Effective.
- Fast, Simple & Easy to Operate.
- Measurement Range 0.01 mm to 35.00 mm.
- 0.01 Resolution.
- Microprocessor based reading of Measurement.
- Easy to Calibrate, Validate by Certified Coins (9 mm,18 mm, 27 mm, 35 mm).
- Direct Measurement reading on LCD Display.
- Magnification of Zone for better Accuracy in Measurement.
- In-Built Thermal Printer is available for taking hard copy of Test Report.
- Rs-232 Port for Connecting with PC or Serial Printer.

Technical Specifications:

- Zone Diameter Range : 0.01 mm to 35.00 mm
- Accuracy : Better than 0.05 mm
- Resolution : 0.01 mm
- Display : LCD Display
- Illumination Lamp : LED (230V AC)
- Power : 230V AC/ 50Hz / 1 Amp (Or) 110V AC / 60Hz / 1Amp (on request)

Manual Hardness Tester RPHT-1P

Tablet hardness testers determine the force needed to break a tablet, ensuring consistent quality and performance by measuring the tablet's resistance.

Our Portable Digital Hardness Tester (Model: RLHT-01P) measures the hardness of tablets size up to 40 mm in diameter.

Features:

- Cost-Effective, Reliable and Portable.
- 4 Digit seven segments LED Display with Portable four keys membrane keypad.
- Very Compact, Simple & Easy to operate with 4 Keys.
- Selectable Unites of measurement: N, Kp (KgF),SC, Lb.
- Stainless Steel (SS304) Body and test platform & Jaws are of SS316.
- Microprocessor based Measurement of Tablet Hardness.
- Statistical Data - Maximum, Minimum and mean.
- Test Report consists of results with statistical data.
- Easy to calibrate with an Optional Calibration Kit Consisting of 5Kg Certified Weight.
- Battery Operated (Using a 9 V Rechargeable Battery) as well as AC Power Adapter.

Technical Specifications:

- Display   : 4 Digit Seven Segment LED for Value
- Hardness Range   : 3 N to 500 N
- Accuracy   : 0.1N
- Resolution   : 0.1N / 0.01 Kp
- Tablet Size   : Up to 40 mm tablet
- Indicators   : Visual Indicator with LED for unit of measurement
- Power   : 9V Rechargeable Battery,
                     5V AC Power Adapter (100-230V AC-50Hz 500 mAmp)

Tablet Hardness Tester HTDS-1P

Tablet hardness testers determine the force needed to break a tablet, ensuring consistent quality and performance by measuring the tablet's resistance.

Our Tablet Hardness Tester (Model: HTDS-1P) measures the hardness of tablets size up to 40 mm in diameter.
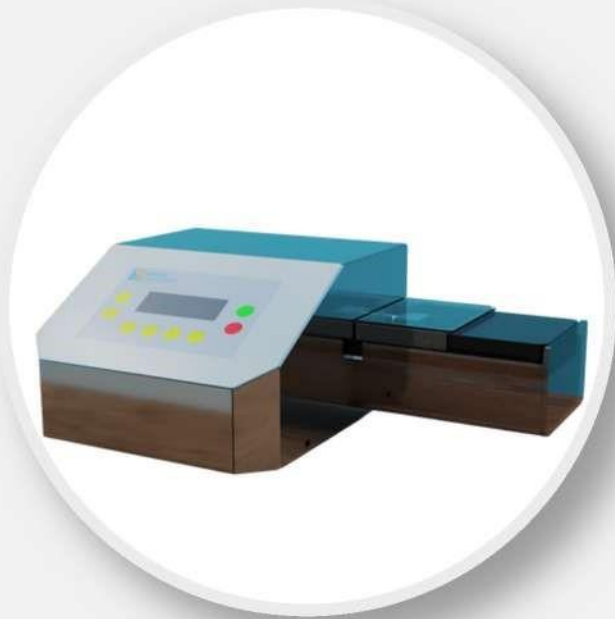
Features:

- Compact Design: Space-saving with an advanced microprocessor design.
- Accurate Hardness measurement: Provide precise measurements of tablet hardness.
- User-Friendly Operation: Menu-driven interface with a PC-compatible keyboard and a 20x4 character LCD Display.
- Units of hardness: Measurement Units include: Newton (N), Kilopond (Kp), Strong cobb (Sc) & User defined (UD).
- Versatile sample accommodation: It allows for testing tablets of any shape, accommodating samples up to 40 mm in diameter (length).
- Recipe Management: Capable of creating, storing, and recalling up to 99 different product recipes.
- Adjustable Sample Size: Settable sample size with the flexibility of up to 100 valid samples per test.
- Calibration and verification: Simple and easy calibration and verification (Validation) using a certified 5 Kg Weight.
- Reporting Capabilities: Various reports can be generated, enhancing data analysis.
- Printer Compatibility: Supports dot matrix – Epson compatible Printer.
- IQ/OQ Documentation: Inclusion of IQ/OQ documentation for quality assurance and regulatory compliance.

Technical Specifications:

- Display   : 20x4 LCD Display
- Operation   : Front Operating Panel & PC Compatible Keyboard
- Parameter : Hardness Measurement range ;3 N to 500 N
- Interfaces   : Parallel Printer interface (Dot Matrix Lx310)
                    PC Interface using Hyper Terminal through RS 232 Port
- Power   : 230C AC/50Hz/3 Amps(Or) 110V AC/60Hz/3 Amps (on request)

Tablet Hardness Tester HTDS-3P

Tablet hardness testers determine the force needed to break a tablet, ensuring consistent quality and performance by measuring the tablet's resistance.

Our Tablet Hardness Tester (Model: HTDS-3P) measures the Thickness, Diameter, and Hardness of tablets size up to 45mm in diameter.

Features:

- Accurately measure the thickness, diameter (Accuracy 0.02 mm), and hardness (Accuracy 10 grams) of tablets.
- Menu-driven interface with a PC-compatible keyboard and a 20x4 character LCD Display.
- Units of Hardness measurement: Newton(N), Kilopond(Kp), Strong cobb(Sc) & User defined.
- Precise positioning of samples accommodates any shape tablet up to 45 mm in diameter (length).
- 100 different product recipes can be created, stored, and recalled.
- Three-Level Password protection as per 21 CFR Part 11 compliance.
- Settable sample size up to 100 valid samples per test.
- Simple and easy calibration verification (Validation) with a certified 10 mm gauge block for distance parameters and a 5 Kg weight for hardness parameters.
- Parallel Printer Port & RS232 Interface for taking hard copies of the test report.
- IQ/OQ Documents.

Technical Specifications:

- Display : 20x4 LCD Display with backlit
- Operation : Front Operating Panel & PC Compatible Keyboard
- Parameter : Thickness: 0.1mm to 20 mm
             Diameter: 0.1 mm to 45 mm
             Hardness: 3 N to 500 N
- Interfaces : PC-Compatible Keyboard & parallel printer (Epson Dot Matrix Lx 310) Interface
- Power : 230C AC/50Hz/3 Amps(Or) 110V AC/60Hz/3 Amps (Optional)

Ampoule Breakpoint Tester RABT-3

The RABT-3 is a state-of-the-art Ampoule Breakpoint Testing Instrument, designed for precise and automated testing of ampoule breaking force. It ensures compliance with EN-ISO 9187-1/2:2010 standards, making it ideal for pharmaceutical quality control. The instrument offers accurate force measurement, user-friendly operation via a 7-inch touchscreen, and secure user access with up to 50 user accounts.

Features:

- 7-Inch Touchscreen Display for intuitive and easy operation.
- Automated Breakpoint Testing with a stepper motor that applies force gradually until the ampoule breaks.
- Multi-User Access supporting up to 50 users with secure login. (Three Level Password Security).
- Real-Time Results with instant breakpoint force display and printout.
- Batch Documentation storing batch numbers, serial numbers, test results, date, and time.
- Comprehensive Calibration using built-in calibration and validation tools for accuracy.
- Safety & Durability with stainless steel housing, protective shield, and illuminated workspace.
- Compatible with Multiple Ampoule Sizes, supporting 1ml, 2 ml, 5ml, 10 ml.

Technical Specifications:

- Display : 7-inch Touchscreen
- Force Range : 5.0 to 300N (optional 500N version available)
- Resolution : 0.1N (300N model)
- Force Settings : Linear speed 10 mm/min
- User Capacity : Up to 50 users with access control
- Data Storage : Stores test results, batch numbers, serial numbers, date, time, and deviations(Stores 1500 Reports)
- Printer Interface : Dot-Matrix or Inbuilt Thermal Printer
- Data Transfer : Using SD Card Reader

Tablet Friability Tester RFT-2P

Tablet friability testing is a crucial parameter in quality control in the pharmaceutical Industry. It involves subjecting tablets to mechanical stress in order to assess their durability and resistance to breakage. This testing ensures that tablets maintain their integrity during handling, packaging and transportation. Furthermore, tablet friability testing is required by Pharmacopeia standards such as British Pharmacopoeia (BP), United States Pharmacopeia (USP) and Indian Pharmacopoeia (IP).

Features:

- Supports dual friability drums or abrasion Drums.
- Ergonomically designed splash-proof panel.
- 20x4 Character LCD Display.
- Real Time Display.
- Adjustable RPM for better analysis.
- Live monitoring of RPM on screen.
- Modern Design for 2 tests in a single drive.
- Auto-dispensing of the sample after completion of the test.
- Transparent acrylic drums for better visibility.
- 10-degree tilt for testing larger tablets.
- IQ/OQ Documentation.

Technical Specifications:

- Display   : 20x4 LCD Display
- Operation Panel : 7 Key keyboard
- RPM Range   : 25-75
- RPM Accuracy   : 1%
- Timer Mode   : 1 Min to 99 Hrs:59 min:59 sec
- Count Mode   : 9999
- Power   : 230C AC-50 Hz 6.0 Amps (Optional)

Tablet Disintegration Tester DT-4DD

The DT-4DD is a cutting-edge instrument designed for pharmaceutical quality control and research. It accurately evaluates tablet disintegration time, meeting IP, USP, BP, and Ph. Eur. Standards. With dual batch testing, user-friendly controls, and flexible programming, it ensures efficiency and precision. Its stainless steel housing ensures GMP compliance and seamless integration into lab settings. The DT-4DD offers reliability, accuracy, and compliance for comprehensive tablet formulation assessment.

Features:

- Dual Drive with 2 test baskets.
- Compliance with USP, EP, and other pharmacopoeia.
- Compact design with splash-proof keypad.
- 20x4 LCD screen with backlight.
- Quick release basket and auto-parking.
- Online validation of strokes per minute.
- Safety features, bath illumination.
- External probe for temperature validation.
- Printer port, RS 232 interface for reports.
- Password protection for Real-Time Clock.
- IQ/OQ documents.

Technical Specifications:

Temperature	:	Ambient to 50°C, ±0.3°C accuracy.
Timer Range	:	00:00:01 to 99:59:59.
Stroke/Min	:	30 strokes/min, 55mm stroke height.
Water Bath	:	Approx. 7 litres.
Power	:	230V AC ~ 50 Hz 2A (110V AC ~ 60 Hz 2A on request).

Tablet Disintegration Tester DT-2D

Dual Drive with 2 test baskets. Compliance with USP, EP, and other pharmacopoeia. Compact design with splash-proof keypad. 20x4 LCD screen with backlight. Quick release basket and auto-parking. Online validation of strokes per minute. Safety features, bath illumination. External probe for temperature validation. Printer port, RS 232 interface for reports. Password protection for Real-Time Clock. IQ/OQ documents.

Features:

- Allows simultaneous testing with two baskets.
- User-Friendly Operation: Compact design with a splash-proof membrane keypad.
- Baskets automatically park at the top position after test completion.
- Bath Illumination: Improved visibility within the water bath.
- Circulation Pump: Ensures better temperature control within the bath.
- Comprehensive protocol for validation processes. Included for beaker temperature validation.
- Parallel printer port and RS 232 interface for generating hard copy test reports.
- Secured real-time clock with password protection.
- IQ/OQ Documents: Provided for installation and operational qualification.
- Interface for connecting a keyboard for product information input. Easy calibration features.

Technical Specifications:

Temperature	:	Ambient to 50°C, ±0.3°C accuracy.
Timer Range	:	00:00:01 to 99:59:59.
Stroke/Min	:	30 strokes/min, 55mm stroke height.
Water Bath	:	Approx. 7 litres.
Power	:	230V AC ~ 50 Hz 2A (110V AC ~ 60 Hz 2A on request).

Automatic Tablet Disintegration Tester ADT-1D

The Automatic Tablet Disintegration Tester is designed for precise and reliable disintegration testing, compliant with USP chapters <701> and <2040>, as well as Ph.Eur. <2.9.1>. It features advanced bathless heating technology, ensuring accurate temperature control, and is fully compliant with 21 CFR Part 11. The system automates the monitoring and recording of disintegration details and includes an auto parking facility for enhanced operational convenience.

Features:

- Compliance: Meets USP, EP, and various pharmacopoeia standards.
- Auto Disintegration Recording: Automates data recording.
- 7-Inch Touch Screen: Intuitive display interface.
- Quick Release Basket & Auto-Parking: Simplified operation.
- Online Stroke Validation: Ensures accuracy of strokes per minute.
- Safety Features: Includes bath illumination.
- External Temperature Probe: For temperature validation.
- Ports: In-built thermal printer port, RS 232 interface.
- Real-Time Clock: Password protection for enhanced security.
- User Levels: Accommodates 150 users with CFR21 Part 11 compliance, biometric and alphanumeric password protection.

Technical Specifications:

- Temperature Range: Ambient to 50°C, ±0.3°C accuracy.
- Timer Range: 00:00:01 to 99:59:59.
- Stroke Rate: 30 strokes/min, 55mm stroke height.
- Power Requirement: 230V AC ~ 50 Hz, 6 AMPS.
- Storage Capacity: Over 1500 reports and audit trails in an uneditable format.
- Heating System: Fast heating with auto test start after reaching the required temperature.
- Safety: Inbuilt thermal cutoff.

Leak Test Apparatus RLT-2B

The Package Integrity Tester from Raise Lab Equipment offers a precise, economical solution for ensuring the integrity of packaging, including blister packs, bottles, and pouches. Designed to meet the stringent requirements of the pharmaceutical, chemical, and food industries, this fully calibrated system is essential for quality assurance in detecting leaks, thus safeguarding product safety and reliability.

Features:

- 7" Touchscreen Display for easy and intuitive operation.
- Microcontroller-based vacuum sensor for accurate vacuum control (up to 650 mmHg).
- Programmable test duration (up to 99 hrs 99 min 59 sec).
- Automatic vacuum release at the end of the test.
- Oil-free vacuum pump – maintenance-free operation.
- Built-in thermal printer (Model PNP-64) for immediate result printouts.
- cGMP-compliant construction using SS-304 stainless steel.
- 300 mm polycarbonate desiccator – suitable for various packaging types.
- USP and international standards compliant.
- Storage for 50 product profiles & 50 test methods.
- Three-level password protection supports up to 150 users.
- Biometric & alphanumeric login options.
- Stores over 10,000 reports, views the last 1,500 on screen, older ones can be exported.
- 21 CFR Part 11 compliant audit trail – secure and traceable data.

Technical Specifications:

- Display: 7-inch touchscreen for simplified operation.
- Vacuum Range: Adjustable between 10 mmHg to 650 mmHg.
- Test Timer: Settable up to 99 minutes and 99 seconds.
- Desiccator: Includes a 300mm polycarbonate vacuum desiccator.
- Printer: Integrated thermal printer for report generation.
- Power Supply: Operates on 230V / 50 Hz.

Leak Test Apparatus RLT-2

Our Package integrity tester (Leak Test Apparatus) is the result of our commitment to give an economical, fully calibrated solution in quality assurance for leak test of packs, namely blister packs/bottles/pouches, etc. The Leak Test Apparatus is used to check the leakages in the pharmaceutical, chemical & food industry.

Features:

- Simple and easy to operate.
- User-friendly menu for easy operational procedure.
- 7-inch touch screen display for better visibility.
- An embedded system is designed with a microcontroller-based high-precision vacuum sensor.
- Programmable Vacuum up to 600 mmHg.
- Programmable Test Duration (Time to hold the set vacuum) up to 99 min: 59 sec.
- Automatic control of vacuum level by oil-free vacuum pump.
- Built-in Thermal Printer to take instant test reports.
- Simply validate with a certified digital vacuum gauge.
- Complies with cGMP (MOC-Stainless steel-304).
- Polycarbonate vacuum desiccators of 300 mm diameter and 200 mm (Optional).
- 40 products can be pre-programmed and stored.
- 1500 reports can be stored, and 16 reports can be directly viewed on the machine.
- Three-level password security with 50 users' accommodation.
- Login security with an alphanumeric password.
- Compliance with USP an international package specification.

Technical Specifications:

- Display   : 7 Inches Smart Display
- Method of operation : Soft touch display with easy touch operation
- Vacuum Level   : Settable from 30mmHg to 600 mmHg
- Settable Test Time   : (Vacuum holding Time) Up to 99min:59 sec
- Vacuum Desiccators   : 300 mm polycarbonate
- Printer   : In-Built Thermal Printer (or) LX310 Dot matrix printer facility
- Power   : 230V/50 Hz

Tablet Dissolution Tester RLTDT-08LM

The RLTDT-08LM Dissolution System (8 Station) is a precision-engineered, user-friendly instrumentdesigned to perform accurate and efficient dissolution testing in accordance with pharmaceutical standards. This advanced system complies with USP, BP, IP, and EP specifications and is ideal for use in quality control and research laboratories.

Features:
- User-friendly interface with lightweight stirrer and easy handling.
- Complies with all current USP/IP/EP/BP standards.
- Supports 8 vessels with 12 programmable sampling steps.
- Auto sampling and UV integration (optional).
- Compatible with online/offline sampling systems.
- Easy-to-use validation and calibration modes.
- Optional connectivity with UV-Vis spectrophotometer for automated dissolution analysis.
- Motorized lifting mechanism for sampling manifold.
- Bath illumination for improved tablet visibility.
- Staggered start for time-shifted testing.
- Multi-program functionality for varied testing profiles.
- Three-level password protection.
- Comes with IQ/OQ documentation.

Technical Specifications:
- Control Panel: Membrane keypad, 40 characters, 4-line backlit LCD display
- Speed Range: 20 to 250 RPM ($\pm$1%)
- Drive Motor: Maintenance-free stepper motor
- Temperature Control: Microprocessor-controlled circulator for precise water bath temperature
- Test Types Supported:
- USP Type 1 – Basket
- USP Type 2 – Paddle
- Small volume / sinker method (optional)
- No. of Vessels: 8
- Power Supply: 230V AC ~ 50Hz, 8 Amp

Tablet Dissolution Tester RLTDT-08SA

The RLTDT-08SA Dissolution Tester is a high-performance instrument designed for pharmaceutical testing, supporting a variety of USP test methods, and equipped with advanced features like a touch-screen interface, semi-automatic sampling, and tablet dispensing. The system offers precise temperature control, easy switching between test methods, and comprehensive protocol management, making it ideal for modern laboratories. The tester is fully compliant with regulatory standards, ensuring reliability and efficiency in dissolution testing.

Features:

- Test Methods Supported: USP 1, USP 2, USP 5, USP 6, and Intrinsic Test Methods.
- Touch Screen Display: 7" touch screen with a smooth DC drive mechanism and vibration-free telescopic lifting column.
- Tablet Dispenser: Inbuilt dispenser for simultaneous sample dropping into test vessels.
- Semi-Automatic Sampling: Built-in system with two sample collecting cartridges for efficient sample collection.
- User Management: Supports up to 150 users with password protection and biometric login for secure access.
- Protocol Management: Supports up to 150 programmable protocols; users can create, view, edit, and disable protocols.
- Switchable Test Methods: Quick and easy switchover between USP test methods 1, 2, 5, 6, and Intrinsic Dissolution using accessories.
- Paddle Lock System: Snap-in fit paddle lock system for quick setup.
- Bath Illumination: LED lamp for easy visual observation of the test process.
- Compliance: Meets USP/EP/IP and CFR 21 Part 11 standards without external software.
- Data Storage: Capable of storing up to 1500 test reports and 1500 audit trails.

Technical Specifications:

- RPM Range: Adjustable from 20 to 300 ±1 RPM.
- Vessel Compatibility: Suitable for one-litre glass vessels or Marlon vessels.
- Temperature Control: Bath temperature adjustable from ambient to 50°C ±0.3°C.
- Medium Volume Selection: Selectable medium volume from 250ml, 500ml, 700ml, 800ml, to 900ml.
- Sample Volume: Settable from 2ml to 25ml.
- Protocol Steps: Up to 18 steps can be selected in each protocol.
- Print Interval: Settable print interval between 5 to 99 minutes for validation report printing.
- Water Bath Design: Moulded water bath with minimal water usage, SS geyser, and magnetic circulation pump.
- Validation: Validates sample volume, replenishment medium volume, bath temperature, and RPM.
- Power Supply: Operates on 220V power with 10A supply.

Tapped Density Apparatus TD-2

Tapped Density Apparatus measures the tapped density of materials, which is the density of a powder or granular substance after it has been subjected to a specific number of taps or vibrations under standardized conditions. This measurement provides insights into the packing characteristics of the material, including its compaction behavior and the amount of settling that can occur during handling or transportation.

Features:

- Compliance with USP, EP, ASTM and other pharmacopoeia.
- Easy to operate.
- 20x4 LCD Display with soft touch membrane keypad.
- Cylinders holders having easy mechanism to insert and take out the measuring cylinder.
- Simultaneous tapping and rotating assures an evenly packed surface.
- Supports 100 ml & 250 ml graduation cylinder for USP 1, USP 2 Method and USP 3 Method (Optional).
- Calculate un-tapped density & tapped density in grams per/ml, Hauser ratio and the compressibility index.
- Single Station can perform all three types of tests (USP-1,2,3).
- IQ/OQ Documents.

Technical Specifications:

- Display   : 20x4 LCD
- Method of operation : 7 key panel
- Printer   : LX310 Dot Matrix Printer through the parallel port
- Fuse Rating   : 3.0 Amp
- Power   : 230V/50Hz,110V/50Hz

Standards	Drops/Min	Drop height
USP 1	300 ± 15 DPM	14 mm ± 2mm
USP 2	250 ± 15 DPM	3 mm ±0 .2mm
USP 3	55 ± 5 DPM	3 mm ±0 .2mm

Electromagnetic Sieve Shaker RSS-1

Electromagnetic sieve shakers use electromagnetic forces to generate vibrations, facilitating particle size analysis by separating materials based on size as they move through a stack of sieves with varying mesh sizes.

Features:

- Supports 16 No's of 100x25 mm, 8 No's of 200x50 mm test Sieves.
- Unique design with a heavy base platform for vibration sustainability.
- RSS-1. It's Tri-Dimensional motion, Programmable shake time.
- Adjustable Vibration Levels: Amplitude ranges from 0.5 mm-3.0 mm.
- Settable test time and interval.
- Low noise level; easy and quick locking knobs for sieve fixation.
- Easy to clean.
- cGMP (SS-316) Material of construction.
- Maintenance-free equipment and User friendly Operation; Operates on 230V,50 Hz power source.
- Optional Supply of ASTM and BSS Standards sieves as per user requirement.
- Recipe Storage (Up to 50) Facility is incorporated.
- Can store up to 1500+ Reports which can be exported.
- Intermittent and continuous testing modes.
- Accommodates more than 50 users with three levels (Admin, Supervisor, and User).

Technical Specifications:

- Display   : 7 inches touch screen display
- Method of operation : Soft Touch Operation
- Printer   : In-Built Thermal Printer,RS232 port for external printer or PC
- Main Fuse   : 8 Amp
- Power   : 230V/50 Hz

Scott Type Volumeter RSV-1

Scott Type Voltmeter is a standard bulk density tester that is extensively used in powder testing applications. The apparatus is used for determining the bulk density of free-flowing powders such as pharma, chemical powders, and compounds according to different international standards.

Features:

- Compiles with USP & ASTM Standards.
- Toughened surface treated glass baffles.
- Unique design with vibration-free base platform.
- Level adjustment with an inbuilt spirit level.
- Interchangeable sieve mesh as per requirement.
- Standard 10 no sieve will come along with the equipment.
- The custom sieves will be as optional spares.
- Sample contact parts are of stainless steel grade-316 & toughened glass.
- The receiver cup is made of Stainless Steel grade-316 as per USP & ASTM.
- Standard dimension i.e 25±0.05 ml in round shape.
- Square-Shaped cup receivers will be supplied as optional spares.
- Easy to clean.
- Maintenance-free equipment.

Powder Flow Tester RPF-1

The Powder flow tester (CGMP) delivers quick and easy analysis of powder flow behaviour in industrial processing equipment. It is ideal for manufactures who process powders daily and want to minimize or eliminate downtime and expense that can occur when happens discharge erratically or fail to discharge altogether.

Features:

- Compiles with USP & ASTM Standards.
- Easy to calculation angle of repose with digital height guage.
- Quickly and easily develop product SOP Outflow openings-10 mm, 15 mm & 25 mm as per Ph.Eur.
- Optional outflow openings-5 mm are also available.
- Cylinder with the interchangeable discs with holes of various diameters.
- Provide simple, repeatable index of flow ability of powder samples.
- The Powder flow tester allows for flow ability testing before set-up of tableting or capsule filling equipment and establishment of a reliable flow ability index for purchasing and quality assurance, thus avoiding high coefficient of variation in product uniformity.
- Material of construction (MOC) Stainless Steel-304 & Stainless Steel-316.
- Digital Height Gauge is an optional accessory.

Lacquer Porosity Tester RLT-10BE

A Quality control application tool widely used to test the porosity of a Wax-coated metallic vessel in the labs. The container can be an aluminium tube, can or a bottle cap. To measure porosity of a tube means to conclude whether the wax coating has holes or spaces in it that possibly trap air or allow liquid through it.
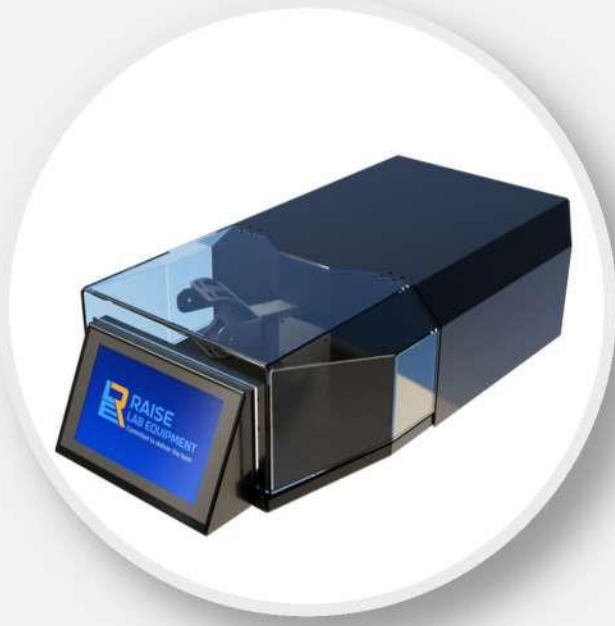
Features:

- Simple and easy to operate.
- User friendly menu for easy operational procedure.
- 20x4 LCD Display for better visibility.
- Designed Microcontroller based measurement of current.
- In-Built Thermal Printer to take instant test reports.
- An ideal Testing Equipment for lacquer porosity testing in aluminium tubes, cans, bottle caps & foils.
- 10 samples required for performing the test.
- This equipment can be validated using a certified external ammeter.
- Complies with ISI Standard and EU Standard specifications & methods.
- Password protection for real time clock.
- cGMP Model with SS304 Body.

Technical Specifications:

- Display : 20x4 LCD Display
- Method of operation : 8 Key soft touch membrane key panel
- Current Flow : Adjustable 1 Amp (Settable permissible limit to declare pass or fail of sample)
- Main Fuse : 3.0Amp
- Power : 230V/50 Hz

Granule Friability Tester RGF-1

The Granule Friability Tester is a sophisticated and reliable instrument designed for measuring the friability of granules in various production environments. This state-of-the-art device ensures accurate and repeatable testing to determine the resistance of granules to breakage or wear. Ideal for pharmaceutical, chemical, and material science applications, the Granule Friability Tester is engineered to meet the highest industry standards.

Features:

- Shaking Rate: Programmable, 0-400 oscillations per minute
- Test Time: Programmable, 99 Minutes: 59 seconds
- Construction: Stainless steel case(SS304)
- Sample Containers: Interchangeable glass, 105±10 mL
- Shaking Action: Bi-directional horizontal, 370±20 oscillations per minute
- Safety Features: Clear acrylic lid with snap-fit interlock
- Testing Capability: Granules with bulk density ≥ 2.7 g/cc, Mohs hardness ≥ 5
- Included Sieve: 1 Test Sieve(2.36mm to 25 Micron) 200mm Dia sieve

Technical Specifications:

- Display   : 7 inches Touch Screen
- Method of Operation : Soft Touch Screen
- Power   : 230V AC ~ 50 Hz
- Test Time   : 99 Minutes: 59 seconds

Suppository Disintegration Tester RSDT 3B

Raise Lab Equipment, the RSDT-3B is a user-friendly and compact Suppository Disintegration Tester, designed to comply with USP, BP, EP, and IP standards. Engineered with an advanced microprocessor-based design, this model ensures precise and reliable disintegration testing of pessaries and suppositories.

Features:

- Complies with USP, BP, EP, and IP standards.
- Advanced microprocessor control for precise operation.
- Three-station disintegration testing for suppositories and pessaries.
- Programmable timer with an audible alarm.
- Splash-proof control panel for durability.
- Online calibration of temperature for accuracy.
- Internal circulation pump to maintain uniform temperature.
- Water bath illumination for enhanced tablet visibility.
- IQ/OQ documents available.

Technical Specifications:

- Suppository Basket : 3 Nos. with holder
- Water Bath : 6mm thick transparent acrylic water bath
- Water Bath Capacity : Maximum 12 liters
- Temperature Range : Ambient to 50.0°C
- Temperature Accuracy : Better than ±0.3°C
- Temperature Resolution : 0.1°C
- Timer Range : 00:00:01 (hrs:min:sec) to 99:59:59 (hrs:min:sec)
- Power Supply : 230V AC ~ 50 Hz 2A, 110V AC~60 Hz 2A (on request)
- USP Compliance : Automatic 180° rotation of suppository basket every 10 minutes with an audible alarm

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