

PRODUCT CATALOG

APEX LABS

Pharmacy Equipment, Instruments & Consumables

Apex Labs Varanasi

Leading Manufacturer & Supplier of Premium Scientific Laboratory Instruments
Varanasi, Uttar Pradesh, India

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Company Profile & Overview

Apex Labs is an established premier manufacturer, dealer, and trader of high-caliber scientific laboratory equipment, pharmaceutical testing instruments, and laboratory consumables based in Varanasi, Uttar Pradesh. Dedicated to serving the research, educational, and industrial sectors, our comprehensive portfolio aligns seamlessly with statutory institutional standards and rigorous quality workflows.

This catalog compiles our flagship offerings across Pharmacy Equipment, Analytical Glassware, and Precision Engineering Hardware tailored specifically for Colleges of Pharmacy, R&D Labs, and Quality Control departments. Every product is engineered to ensure high precision, long-term durability, and strict compliance with modern analytical protocols.

I. Pharmacy Equipment & Analytical Instruments

High-performance mechanical and analytical hardware designed for processing, pilot-plant simulation, formulations, and advanced pharmacological assessments.

Formulation & Processing Hardware

Product Code	Equipment Name	Technical Specifications & Features
AL-PH-0101	Ampoule Filling & Sealing Device	Motor-driven syringe-type system handling up to 10 ampoules per minute. Features automatic fluid intake/outflow regulation, an integrated LPG fusing burner assembly, and precise foot bellows control.
AL-PH-0102	Ampoule Washing Device	Constructed with high-grade stainless steel pan containing 6 robust jet nozzles. Features a spring-loaded ampoule holding tray and heavy-duty tap connectors.
AL-PH-0103	Ball Mill (Electrically Operated)	Ideal for mixing and powder grinding. Equipped with an operational stainless steel jar (available in 1 kg and 2 kg capacities) and a complete assortment of high-durability steel grinding balls of scaled diameters.
AL-PH-0104	Collapsible Tube Filling Machine	Manual/Semi-automatic bench model designed for precise filling of ointments, creams, and gels into collapsible tubes. Handles adjustable filling stroke capacities.
AL-PH-0105	Collapsible Tube Crimping & Sealing Machine	Hand-lever operated mechanism with uniform pressure jaws to ensure clean, leak-proof crimping and folding structural joints on aluminum or plastic tubes.
AL-PH-0106	Liquid Bottle Filling Machine	Compact design with adjustable volumetric syringe filling, suitable for free-flowing liquids into vials and pharmaceutical glass bottles.
AL-PH-0107	Bottle Washing & Sealing Equipment	Rotary brush arrangement washing setup coupled with an interchangeable hand-operated crown sealing machine for standard pharmaceutical containers.

Tablet & Solid Dosage Testing Equipment

Product Code	Equipment Name	Technical Specifications & Features
AL-PH-0201	Tablet Making Machine	Single punch hand-operated or motorized table-top unit for formulation trials. Adjustable depth of fill and compression force controls to vary tablet thickness and density.

Product Code	Equipment Name	Technical Specifications & Features
AL - PH - 0202	Tablet Coating Pan	Stainless steel pan (12" or 8" diameter) equipped with an independent hot air blower, variable speed motor drive, and adjustable digital temperature controls for regular glazing and film coating.
AL - PH - 0203	Tablet Friability Test Apparatus	Meets standard pharmacopoeial parameters. Features a precision-engineered acrylic drum revolving at a constant speed of 25 RPM with auto-stop timers. Available in single and double drum variants.
AL - PH - 0204	Tablet Hardness Tester	Monsanto and Pfizer type manual testers designed for reliable structural compression resistance checks. Measures breakthrough load force linearly.
AL - PH - 0205	Tablet Counter Device	Perforated manual counting template boards configured for 100, 250, or 500 counts, tailored to specific tablet shapes and diameters.

II. Analytical, Optical & Pharmacological Testing Instruments

Advanced measurement diagnostics and environmental simulation apparatus for pharmacy research and quality verification controls.

Product Code	Equipment Name	Technical Specifications & Features
AL-AN-0301	Abbe's Refractometer	High-precision laboratory instrument for measuring Refractive Index (R.I. range 1.3000 to 1.7000) and Total Soluble Solids / Sugar percentage (0 to 95%). Equipped with water-circulation channels for temperature-stabilized measurements.
AL-AN-0302	Hand & Digital Refractometers	Hand Refractometer (ERMA standard, 0–32% Brix scale tracking) and Premium Portable Digital Refractometers (0–55% auto-temperature compensating system).
AL-AN-0303	Brookfield Type Viscometer	Rotational viscometer configuration engineered for verifying liquid and fluid dynamic viscosity metrics across industrial formulation gradients.
AL-AN-0304	Bulk Density Apparatus	Digital motorized tap density tester. Accommodates two graduated cylinders with accurate tapping mechanisms to estimate packed powder volume indexes.
AL-AN-0305	Leak Test & Clarity Apparatus	Ampoule Leak Test Apparatus designed with robust vacuum chamber configurations alongside specialized illuminated visual background Ampoule Clarity Inspection Stations.
AL-AN-0306	Sterility Test Apparatus	Multiple manifold filtration assembly structure optimized for microbial load tests and microbiological sterility validations across parenterals.
AL-AN-0307	Antibiotic Zone Reader	Manual/Digital optical micrometer setup intended for precise evaluation of zone inhibition diameters inside petri dish assays.
AL-AN-0308	Vertical & Portable Autoclaves	Heavy-gauge configurations. Vertical Double Wall Sterilizers featuring internal 304-grade Stainless Steel layout components, complete with jointless custom molded silicon rubber seal gaskets.
AL-PH-0401	Actophotometer (Activity Cage)	Designed for locomotor evaluation assays. Features a built-in array of 6 infrared photo-beam sensors paired to an automatic 4-digit digital counter tracking matrix.

Product Code	Equipment Name	Technical Specifications & Features
AL - PH - 0402	Analgesiometer & Hot Plate	Radiating heat / Tail-flick test setups along with precision Eddy's Hot Plates for thermal pain tolerance assessments.
AL - PH - 0403	Kymograph & Stethograph	Universal muscle-contraction recording drums paired with respiratory excursion tracking Stethographs and multi-channel Tele-Thermometers.

III. Laboratory Glassware, Specialized Assemblies & Consumables

Premium borosilicate glass hardware and high-grade laboratory consumables essential for routine diagnostic tests, training, and chemical processing.

Specialized Glassware & Preparation Ware

Product Code	Product Item Name	Technical Specifications & Application Data
AL-GL-0501	Anderson Pipette Assembly	Fabricated out of low-expansion, thermal-resistant Borosilicate glass. Engineered specifically for particle size determination and sedimentation sub-analyses.
AL-GL-0502	Arsenic Test Apparatus	Gutzeit type laboratory formulation assembly utilizing premium glass ground joints for limit-testing of heavy metal arsenic contamination.
AL-GL-0503	Histamine Chamber Assembly	Clear borosilicate glass chamber setup configured for aerosol bronchospasm studies in experimental pharmacology.
AL-WD-0504	Aseptic Cabinet	Compact 1.5 ft wooden framework configuration featuring a clear glass protective layout window. Serves as a localized sterile environment block for inoculations.
AL-ML-0505	Suppository Moulds	Precision-machined brass/stainless steel alloy molds engineered with multiple cavities (1 gm, 2 gm capacity blocks) for producing uniform suppository masses.
AL-ML-0506	Lipstick Moulds	Multi-cavity high-finish metal casting molds designed for cosmetic laboratory formulation labs.

Consumables & Operational Components

Product Code	Item Description	Material Grade & Operational Integration
AL-CS-0601	Molded Silicon Rubber Gaskets	Jointless, high-temperature resistant silicone grade seals designed as standard replacement parts for pressure vessels and autoclaves.
AL-CS-0602	Grinding Steel Balls	Heavy-wear carbon/chrome steel alloy balls available in assorted mill diameters to optimize particle reduction rates inside Ball Mill Jars.

Product Code	Item Description	Material Grade & Operational Integration
AL-CS-0603	Aeration Tubes & Vials	Integrated diagnostic laboratory consumables including standard aeration paths, blood collection tubes, and standard glass fluid collection vials.