Tensile Strength Tester
Box Compression Tester
Bursting Strength Tester
Specific Gravity Balance
Din Abrasion Tester
Toxicity Tester
Flexometer
Melt Flow Index Apparatus
Din Abrasion Tester

Laboratory Solution by
Asian Test Equipment
**Martindale Abrasion Cum Pilling Tester**

Used for abrasion resistance of fabric or similar material. Abrasion cum pilling tester model also available.

**Snaps, Button Push Pull Tester**

Snap push pull tester used for measurement of pull out force of button (or similar material) from the garment. Analogue & Digital models are available.

**Elmendorf Tearing Tester**

Used for the tearing strength of fabric & similar material. Range available: 200gm, 400gm, 800gm, 1600gm, 3200gm, 6400gm, 12800gm, 25600gm.

**Laundermeter**

The Launder-meter is used for determining colour fastness of fabric & yarn against washing. Different models are available.

**Wrap Reel**

The Wrap Reel used for making lea of yarn, which is used for count measurement or lea strength. Model available handy model & motorized model.

**Endurance Tester for Synthetic Hook/Loop (Velveco) Tape**

The shear strength of all types of synthetic hook and loop tapes shall not decrease by more than 10 percent of their original value, after being subjected to 5000 cycles of closing and opening operation, the test is carried out by the endurance tester for synthetic Hook/Loop (for velcro) type.

**Bundesmann Water Repellency Tester**

The Bundesmann Apparatus used for water absorption & water penetration of fabric.

**Zip Endurance Tester**

This instrument is used for the reciprocating test of the Zip.

**Fabric Equipments List**

- Abrasion Tester
- Air Permeability Tester
- Atmospheric Pressure Beaker Dyeing Machine
- Beasley Balance
- Bundesmann Water Repellency Tester
- Bursting Strength Tester
- Button Snap Push Pull Tester
- Color Matching Cabinet
- Conditioning Chamber
- Crease Recovery Tester
- Crimp Tester
- Crock Meter
- Drape Meter
- Elmendorf Tearing Strength Tester
- Flammability Tester
- GSM Balance
- High Pressure Air Porosity Tester
- Hot Air Oven
- Hot pressing Tester for Button
- Lab Distillation Unit
- Laundrometer
- Light Fastness Tester
- Load Tester for Button
- Martindale Abrasion Cum Pilling Tester
- Muffle Furnace
- Oxygen Index Apparatus
- PH. Meter
- Pilling Tester
- Pressure Head Tester
- Pull out Tester for Zip
- Round Cutter
- Single Fiber Strength Tester
- Smoke Visibility Tester
- Soiling Tester
- Spray Tester
- Spread of Flame Tester
- Stiffness Tester
- Sublimation Tester
- Swatch Cutter
- Tensile Strength Tester
- Thickness Gauge
- Toxicity Tester
- Travers Thread Counter
- Water proofness Tester
- Weighing Scales for GSM
- Zip Abrasion Tester
- Zip Endurance Tester
- Zip Resistance to Heat Under Load Tester
- Zip Tensile With Various Type of attachments

**Yarn Equipments List**

- Beaker Dying Machine
- Crimp Rigidity Tester
- Direct Yarn Count Balance
- Lea Strength Tester
- Shade card Winding Machine
- Single yam Strength Tester
- Wrap Reel
- Yarn Evenness Tester
SPECIFIC GRAVITY BALANCE
DIGITAL MODEL

Used For The Specific Gravity Of Rubber, Plastic Or Similar Material. Digital And Analogue Models Are Available

HARDNESS TESTER

The Hardness Is Obtained By Penetration Depth Of A Indenter Of Specified Dimension: Models Available IRHD type Shore A/D (analogue & Digital model)

COMPRESSION SET APPARATUS

The Used For The Compression Strength Of The Rubber. Model Available Compression Tester Under Constant Deflection (plate Type, Quick Clamping Type) Compression Tester Under Constant Force (160 Kg And 800 Kg Capacity)

DE-MATTIA FLEX TESTER

This Instrument Is Used For The Flexing Test Of The Rubber, Coated Fabric Etc. Different Models Are Available

CO-EFFICIENT OF FRICTION TESTER
FOR PLASTIC FILM
DIGITAL

The Cof Tester Horizontal Plane Is Used For The Determination Of The Coefficient Of Friction Test Of The Plastic Film Or Similar Material. Inclined Plane Type Model Is Also Available

APPARATUS FOR TEMPERATURE OF DEFLECTION UNDER LOAD (HDT TESTER)

The Apparatus For Temperature Of Deflection Under Load/vicat Softening Point Apparatus Is Used For The Deflection Test Of Plastic Material Under Load And Temperature.

THICKNESS GAUGE

Different type of Thickness Testers Available Bench/Portable type Analogue/Digital, Coating/UV Thickness etc.
**BURSTING STRENGTH TESTER**


**BURSTING STRENGTH TESTER**

The Bursting Strength Tester Used for resistance to water penetration is determined by the quantity of water absorbed by a paper or a board when one of its faces is placed in contact with this liquid, under the conditions.

**COBB TESTER**

The Cobb Tester Used for resistance to water absorption by a paper or a board when one of its faces is placed in contact with this liquid, under the conditions.

**GSM BALANCE**

The Quadrant Scale For GSM Is A Simple And Quick Device Which Directly Indicates The Weight Per Unit Area In Grams Per Square Meter (GSM) On A Sector Scale When A Sample Of Selected Size Is Suspended From A Clamp Fixed To The Pointer Arm. Digital Models Are Also Available. Supplied with 2 Templets.

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**COATING THICKNESS GAUGE**

Used to check non ferrous coating as galvanizing, chrome, paint, electroplating on ferrous work pieces. Other models are also available.

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**CROCKMETER**

(For Coated Fabrics)

The Crockmeter Used for determination of colour fastness Textile/Leather of vinyl coated fabrics. This tester is used for the determination of colour fastness against rubbing, either under dry or under wet condition. Handy and motor operated models are available.

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**PRESSURE HEAD TESTER**

The Pressure Head Tester For Coated Fabrics And Treated Fabrics Is Used To Measure The Pressure Head Require To Penetrate The Water From The Sample. Different Models Are Available.

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**ROUND CUTTER (GSM CUTTER)**

Gram per square meter of the fabrics/Paper is an important measurement of the fabrics. For accurate measurement the size (i.e. area) of the test specimen should be accurate. The accurate area cut by round cutter.

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**VIBRATION TESTER**

Different type of vibration tables are available according to platform size & frequency.
**Water Resistance Tester**

For Upper Leather (Penetrometer)

The instrument used for determining the degree of waterproofness of boot or shoes upper leather under dynamic conditions simulating the conditions of wear.

**Bennewart Flex Tester**

Bennewart flex testing is intended to determine the resistance of a sole material to cut growth during repeated flexing. It can also be used to assess the effect of surface patterns on crack initiation and growth.

**Water Vapour Permeability Tester**

The Water Vapour Permeability Tester is used for the measurement of water vapour permeability of all type of leather.

**Sole Adhesion Tester**

The Sole Adhesion Tester Used strength of adhesion of sole of a shoe to its upper is determined by measuring the force needed to pull off the sole from the upper. Analogue and digital models are available.

**Shoe Flex Tester**

The shoe flex tester is used for determination of the ability of the full shoe to withstand the effect of flexing stresses produced on the different parts of the shoe.

**Rub Proofness Tester**

This Instrument is used for the Determination of color fastness to Rubbing (wet and dry) of Light Leather

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**Leather Equipments List**

Abrasion Tester for Sole Leather
Bending Resistance Tester
Crackness Tester
Crock Meter for Leather
Finish Film Adhesion Tester
Flexometer
Grain Strength Tester
Heat Resistance Tester
Kubelka Apparatus
LastoMeter
Rub Proofness Tester
Shrinkage Tester
Spray Tester
Tensile Testing Machine
Thickness Gauge
Two Dimension Extension Tester
Vamp Flex Tester
Water Resistance Tester
Water Vapor Permeability Tester

**Footwear Equipments List**

Abrasion Tester (Motorized)
Belt Flex Tester
Bennewart Flex Tester
Cold Insulation Tester
Electrical Resistance Tester
Gravity Balance
Heat Insulation Tester
Leak proof Tester
Shoe Flex Tester
Sole Adhesion Tester
Split Tear Tester
Toe Cap Impact Tester

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Out soles of footwear or other flexing components may suffer cracking in use due to flexing. Cracks usually develop at points of high surface strain resulting from the design of the sole pattern, without there being any cuts to initiate them.
Asian Conduit/Electrical/Foam Testing Equipment

**Impact Tester for Conduit Pipe**

The Impact Test Apparatus for conduit material is used for the measurement of the impact strength of conduits pipe.

**Compression Tester for Conduits**

The Compression Test Apparatus for conduit material is used for the measurement of the compression strength of conduits pipe.

**Indentation Hardness Tester for Foam**

The Indentation Hardness Tester used for the feel of softness of any flexible foam is quantitatively defined. Indentation tester available for PU foam, rubberised coir, and Latex foam.

**Shear Fatigue Tester**

The ability of polyurethane foam slabs to withstand the effect of repeated compressions is determined with the help of a shear fatigue test.

**Spring Testing Machine**

We manufacture the spring test equipments which can be used for the load deflection test of compression. Tension spring. Models are available are digital model and computerised model.

**Conduit/Electrical Appliance Testing List**

- Ball Pressure Tester
- Bending Tester
- Collapse Tester
- Compression Tester for Conduit
- Endurance Tester for Switches
- Impact Tester
- Resistance to Burning Tester
- Resistance to Heat Tester

**Foam Testing Equipments List**

- Ball Resistance Tester
- Compression Tester
- Flammability Chamber
- Flex Tester
- Humidity Chamber
- Indentation Hardness Tester
- Pounding Tester
- Shear Fatigue Tester
- Tensile Testing Machine
- Thickness Gauge
- Thickness of Whole Sample Tester
- Weighting Scale

**Soft Material Thickness Gauge for Foam**

The Soft material Thickness gauge used for the thickness of Foam material. Due to very soft material the pressure required for thickness measurement is very small. Analogue and digital models are available.

**Ball Resilience Tester**

Resilience of polyurethane foam is determined by dropping a metallic sphere on a slab of foam kept on a horizontal surface from a height of 500 mm and finding the height to which it rebounds after striking the surface of foam.

**Sample Cutting Die**

We manufacture the different type of sample cutting die. Which can be used in rubber, leather, plastic, Foam, Cable etc.
UNIVERSAL TESTING MACHINE (COMPUTERIZED MODEL)

Tensile, compression, shear strength and elongation are the prime characteristics of most of the raw materials, whether they are metals: or non-metals: such as rubber, textiles, plastic, paper: or finished products such as rods, wires, ropes, yarns, belts etcetera. These properties very often play the major role in determining the suitability of any raw material for any specific application. It is therefore, of utmost importance to determine these characteristics accurately, conveniently, and quickly.

TABER ABRASION TESTER

There is various methods for the determination of the abrasion resistance of any material one of the methods is by resistance to wear by abrasive wheels. The progressive loss of material from the operating surface of a plastic material resulting from the cutting or scratching action of the abrasive wheel.

ROCKWELL HARDNESS TESTER-DIGITAL

The Rockwell Hardness Tester is of cast-iron body. The enclosed design protects the internal operating parts from detrimental dust and extraneous elements. The main screw is also protected by a rubber bellow. The basic system is one of weights and levers. The weights under hydraulic dash-pot time control are applied on free end of lever, which transmits the pressure on plunger and there by on the work-piece for determination of hardness value. A clamping device enables the tight clamping of work-piece during the test which at times can not be checked under normal conditions. This machine conforms to relative IS, BS and ASTM Standards.

IZOD IMPAACT TESTER

The Impact Testing Machine are designed for conducting Charpy & IZOD tests for variety of materials mainly plastic and electric insulating materials. The test method strictly conforms to Indian and British standards namely IS: 867-1963 and BS: 2782 Part- III- 1965.

MUFFLE FURNACE

We have temperature range 900 °C, 1200 °C & 1400 °C of Different sizes.

UNIVERSAL TESTING MACHINE (Digital Model)

Asian UTM are based on microprocessor digital technology. These testing equipment that we have are used for varied applications like bending, compression, tensile testing and peeling. Manufactured by experienced engineers and UTM experts, these universal testing machines with digital microprocessor based technology assure longer and maintenance free service life.

Plywood & Laminates Equipments List

Abrasion Tester
Conditioning Chamber
Glass Meter
Hot Air Oven
Impact Testing Machine
Muffle Furnace
PH. Meter
Timber Moisture Meter
Universal Testing Machine

General Lab Testing Equipments List

Coating Thickness Gauge
Conditioning Chamber
Cooling Chamber
Conductivity Meter
DB. Meter
Dhona Balance
Desicator
Distillation Unit
Fume Hood
Hot Air Oven
IZod Impact Tester
Lux Meter
Melting Point Apparatus
Moisture Meter
Muffle Furnace
PH. Meter
Portable Hardness Tester
Rockwell Hardness Tester
Spring Testing Machine
Swatch Cutter
Soxlet Apparatus
Shakers
Torsion Testing Machine
Tachometer
Ultra sonic Thickness Gauge
Water Bath
Weighting Scale

PH METER

Digital pH Meter is ideal instrument for determination of pH Value of any solution. The results are displayed on a digit display. These are unique instruments that combine convenience with accuracy and precision in analysis. The temperature compensation facility, both automatic and manual is available.

CONDITIONING CHAMBER

Any product and material show different properties at different environment. So for checking the properties of any material and product a Standard Temperature & Humidity required for that particular product.

Asian Plywood/ Laminates/ General Lab Testing Equipment
AN ISO 9001 : 2008 CERTIFIED COMPANY

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