



Manufacturer and Supplier

Textiles Instruments

Range of Dyes, Chemical, Yarn and Fabric Testing Instruments

Infra Colour Dyeing 12X100cc or 12X250cc with variable speed model with imported inverter.

- Beaker carriage rotating in 360° (25-45RPM) with programmable Direction Reversal.
- Flexible Beaker carriage suitable to adopt beakers of various capacities (75ml. to 1000ml.) in the same carriage.
- Automation with microprocessor controller PC-03 having 99 programme memory.
- Outside/inside chamber, Beaker carriage and beaker stand of SS 304.
- **Beakers - SS 316 material.**
- Auto Cooling.



Rota Dyer

- Micro processor based temp. control.
- 22 RPM.
- Heating Medium - Water (99° C max).
- Available in standard two models: 12X250 ml., 18X250 ml. and custom design also.



Glycerin Bath

- H. T. H.P. Beaker dyeing.
- Micro processor based temp. control and cyclic timer.
- 23 RPM with reverse - forward facility.
- Heating Medium - Glycerin (135°C max).
- Available with 12 beakers of 250ml. with lead and teflon ring & also as per custom design.



Standard Model

Washing Fastness Tester
(Londer-O-Meter)

- Micro processor based temp. control and Timer.
- 40 RPM.
- Heating Medium Water (99° C max).
- Available with 8 beakers of 500ml; and also as per custom design.



Pneumatic Padding Mangle

- Rubber coated roller of Rockwel Hardness @60-65.
- Geared DC motor with electronic drive.
- With Pressure switch and pressure guage.
- Electronic digital counter (optional) to synchronize the test of lab with plant.
- *Horizontal model is also available.*



Color Matching Cabinet

Light Source	No.	Color Temp.
• D - 65	2 Nos.	6500° K
• TL- 84	2 Nos.	4000° K
• T-F-L	2 Nos.	2300-2800° K
• CWF	1 No.	4150° K
• UV	1 No.	-
U-30	1 No.	(Optional)

Also available with Microprocessor control feather touch switch panel and individual life hour meter.



Sublimation Fastness Tester

- Testing the effect of direct heat on dyestuff.
- 130°C to 250°C temperature range.
- 13 heat pads.
- 5 to 60 seconds contact timer.
- Electronic temperature control with accuracy of $\pm 1^\circ\text{C}$.



Leather Colour Matching

- Geared PMDC motor with electronic drive.
- Digital Temperature controller with timer and buzzer.
- Suitable for swatch dyeing.
- Available sizes : (mm)
200ø X 80 W 6nos., 250ø X 90 W 6nos.,
300ø X 90 W 6nos.
Also available as per customer's specifications.



Crock Meter Rubbing Fastness Tester

- Testing the Wet or Dry color fastness of textiles & leather.
- Motor Operated with auto off facility.
- Digital Presetable counter.



Hot Air Oven

- Useful at Medical, Chemical, Textile, Agricultural industries for day to day heating, Drying and sterilizing requirement.
- Range from 50°C to 250°C.
- **Accuracy:**
 - ± 1°C or better (Micro controller model).
 - ± 2°C or better (Thermostat model)
- Three side high grade Nichrome wire heater.
- **Available sizes:**

	H	W	D (cms)
A	30	30	30
B	35	35	35
C	60	45	45
D	90	60	60



Water Bath

- Ambient to 100° C temperature range.
- Temperature accuracy of ± 5°C.
- Thermostatically controlled.
- Digital Controller (Optional).
- Inner-Outer made of SS 304 material.
- Glass-wool insulation.



Vacuum Pump

- Distillation, Dehydration and filtration processes.
- Exhausting electronic tubes. GLS lamps, Mercury vapour lamps and Tubes.
- Vacuum metallurgy. Vacuum sublimation. Vacuum imprignation. Thin film coating.
- Refrigerator and air conditioner servicing.
- Freeze drying of foods.



Lea Strength Tester

- Wall mounting type
- Analogue dial display in pounds & Kg.
- Traverse speed - 300mm/min.

Available in 3 models.

0 to 200 lbs.

0 to 300 lbs.

0 to 500 lbs.



Electronic Tensile Strength Tester

To determine Tensile Strength and elongation of fabric, Rubber, metal strip, Plywood, Wire and Paper.

- Digital display for strength & elongation.
- Adjustable specimen test length.
- Traverse speed - 300mm/min. & 450mm/min. (by changing pulley).

Standard Ranges available:

0 to 100 kgf.

0 to 250 kgf.

0 to 500 kgf.

0 to 1000 kgf.

with 3 sub ranges.



Pilling Tester

With 2 wooden boxes duly lined with rubberised cork sheet. (internal size: 9"x 9" x 9").

With Electronic counter and auto off facility.

Supplied with 8 nos. pilling tubes, pilling jig & specimen marking template.



Abrasion Tester

Martindale Type fabric abrasion tester.

Motor Operated.

With Electronic counter and auto off facility.



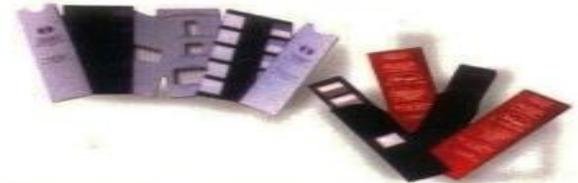
Perspiro Meter

- To determine colour fastness due to water and perspiration of textile.
- Complete stainless steel construction with separate loading weights for the respective standards.



Grey Scale

- For aiding in grading the colour fastness tests, undertaken as per ISO, BS EN, AATCC and IS standard.



GSM Cutter

- Used to determine GSM of fabrics.



GSM Scale

- Meticulous design for durability with pocket weigh scale to measure and calculate GSM accurately.
- Precisely weighing by aerial density measurement principle.



Shrinkage Scale

- Used to measure the dimensional changes in fabrics after laundering, dry cleaning etc.
- Template and shrinkage scale made up of transparent polymer plate to apply standard pressure on test specimen.



Consumables

All type of consumables and spares supplied for the textile laboratory requirements.

- GSM cutting pads, Round cutter blades, Crocking cloth, Multi fiber fabrics, Adjacent fabrics.
- ASTM, AATCC- USA, SDC- UK



Wrap Block

Hand Operated with 1 and 1/2 yard circumference.

Rings bell before completion of 15 yards.



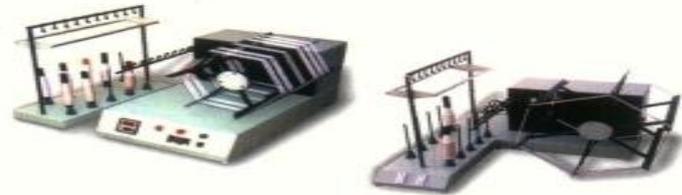
Wrap Reel

With Electronic or Mechanical counter

- Motor Operated.
- Makes 10 leas at a time.
- Auto stop after completion of leas.

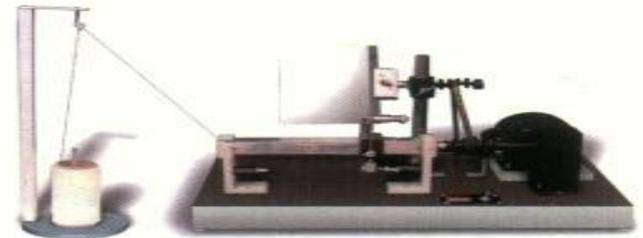
Available in two models :

- British system-Makes leas of 120 yds. and auto stop after 80 revolutions.
- Metric system-Makes leas of 90 mtrs. and auto stop after 80 revolutions.



Yarn Appearance Tester

- Motor Operated.
 - Auto stop with reverse forward facility.
 - Suitable for boards : 10" X 6", 11" X 7" and 12" X 8".
 - Different sizes of rectangular and tapered board. (Optional)
- Also available ASTM standard photographs.



Electronic Twist Tester

- Model A :
 - 0 to 250mm fixed test length.
- Model B :
 - 0 to 500mm adjustable test length.
- Suitable for checking the twist of single and double yarn.
- With digital display.
- Auto off facility.



Tearing Strength Tester

- Used to determine the ballastic tearing strength and work factor of fabrics by Elmendorf method, supplied with calibration weights and augmenting mass to test up to 6400 grams.



Bursting Tester

- Prooven needle and follower method of measurement.
- dual guage system to cover the entire range.



Thickness Guage

- Hand held guage for getting thickness of fabric.



Yarn Tension

- A sensitive hand held meter having analogue guage for direct reading of tension in yarn.



Stiffness Tester

- Versatile stiffness tester which can be used in fabrics at all stages of production.



Crease Recovery

- Accurate determine of recovery properties of fabrics against creasing.
- Specimen loading device and standard weight supplied for hands-on use.



Rota Beaker Dyeing Machine with Dosing System

- Whole Machine constructed out of S.S.304
- Beaker & its lead made out of S.S.316
- Digital Microprocessor based Temperature Controller & Timer.
- Gives buzzer after completion of set time.
- Equipped with 1/8th H.P. Single Phase Geared Motor to give 23 RPM of Rotor.
- 2 Nos. Immersion Heater each of 3 kw.
- 3 Phase, 440 volts A.C.
- Model A- 12 Beakers - each of 250 ml. Capacity.
- Model B- 18 Beakers - each of 250 ml. Capacity.
- Carriage suitable to hold 12X100ml, 6x 500 ml. beakers.



LABORATORY STEAMER WITH SUPER HEATER

- Fixation of dyes of printed fabric high temperature steaming process .
- Laboratory Steamer Facilitate. The Printing Technician To Get Right Result By Minimising Process Cost And Minimising Profitability

- Working Pressure. : 4 kg/cm.
- Cloth Carrying Capacity : 20 cm X 150 cm.
- Inner Diameter Of The Vessel : 38 mm.
- HEIGHT OF THE VESSEL : 535 mm.

TECHNICAL SPECIFICATIONS ARE SUBJECTED TO CHANGE WITHOUT NOTICE.

- Material Of The Construction : SS 304.
- Machine Dimension (LxWxH) : 630 x 600 x 1150 mm.
- Electrical Load : 4.5 KW
(Divided into 2 separate connections of the 3 kw & 1.5 kw).
- Electrical Supply : 440V AC 3 ph 50 Hz.
- STAR FRAME: For aging samples inside the chamber



GSM CUTTER

Without Bled & Rubber Pad.

- Dia -11.28 cms
- Radius - 5.64. cms
- Area of Circle- $\frac{22}{7} \times \text{Radius} \times \text{Radius}$
 $3.14 \times 5.64 \times 5.64$
- 10cms
- GSM: Weigh of sample in grams x 100



MBTL LIGHTFASTNESS TESTER

- MBTL Lamp : Standard mercury based tungsten lamp is fitted to create standard light.
- Watt of MBTL LAMP : 500WT.
- Specimen Holders : 3 nos special rectangular, 3 numbers of sample holders for holding fabric specimens are supplied with the instrument.
- Type holders : 50 pcs C Type holders for yarn.
- Cooling arrangement : Water circulation pump is fitted for controlling the Temperature of the inner chamb. of the specimen holders. Cooling arrangement.
- Power supply : 220 /240 V AC
- Pump : 1/8 hp motor pump is fitted for the circulation of water.
- Motor : ¼ hp motor . 2 RPM is fitted for revolving movement.
- Water tank : 10 ltr capacity of tank for storage the water for circulation purpose.
- Humidity control : Humidity is controlled in side the sample holder for the fabric. Samples only. With the help of water circulation.



Note: We have supplied SOLTESTER SST Xenon Exposure Systems WITH MICROPROCESSOR UNIT To M/s Colortech Services Co.Ltd.

Micro Controller based Tensile Testing Machine.

Suitable for determining tensile strength and elongation of Rubber, Plastic, Cables & Conductors, Leather, Asbestos, Paper, Plywood, Metal and other Materials. Can test materials in conformity with IS or other Standards.

Screw Driven Vertical Tensile Strength Testing Machine having Various Capacities With following scope of supply.

- Type Of Construction : Two columns supported load Frame.
- Force Rating : 20/50/100/250/500/1000 Kgs.
- Cross head Speed Range : Variable 10 speeds of 50 to 500mm/min.Through V Belt Drive.
Or A.C.Variable Speed Drive can also be offered as per requirement.
- Force Measuring Range : Load cell.
- Resolution : 0.05 Kgs. Approx.
- Accuracy : $\pm 0.5\%$ FSD.
- Display : Backlite alphanumeric LCD Digital Display unit.
- Displacement measurement : Digital display in mm.

Accessories. A wide range of accessories can be offered . Appropriate Grips /Fixtures should be orderd with machine depending on materials and test involved . For testing Rubber and PVC order should also be placed for suitable specimen (Dumb-bell) Cutting Dies and Press. Special accessories can also be offered against specific enquiries.

Tensile Testing Machine

- Power Supply : 230V AC + 10%, 50Hz.
- Display : 16x2 Character LCD Display
- Input1 : Loadcell
- Input2 : PNP NO 12v proxy switch
- Output1 : Relay O/P 5A 230V for motor forward rotation
- Output2 : Relay O/P 5A 230V for motor reverse rotation
- Size : 96x192x80 mm



Digital Bursting Strength Tester

Suitable for Fabric/Paper/ Leather & LDPE/HDPE Products.

- Display resolution of 0.01 Kg/cm²
- Pressure Testing Machine capable to test upto 70 Kg / cm².
- Digital Indication for accurate reading.
- Can store last ten Data Reading for customer reference.
- Facility to perform batch testing upto 10 test and record data in memory
- Facility to display Min, Max and Average Pressure with a click of the key.
- The Machine is operated on ¼ H.P. Single Phase Ele. Motor 220 volts A.C.1440 r.p.m.



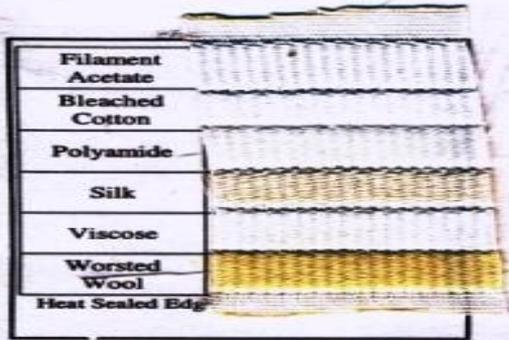
DIGITAL MOISTURE METER.

- Measuring Principle : Electrical conductivity generated by moisture.
- Measuring Sensors. : A large range of electrodes to meet requirement Of various production stages.
- Moisture Indication. : On 3 ½ Digit LCD display.
- Measuring Range. :

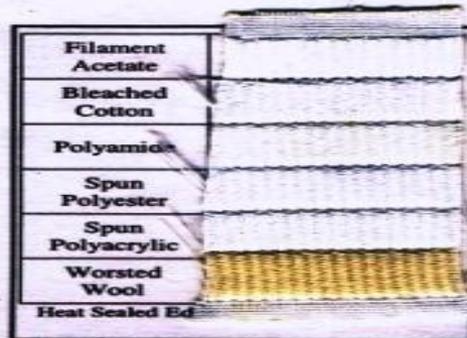
Material	Range-1	Range-2
Cotton.	3.5-13%	12-26%
Viscose	6.5-23%	22-46%
Rayon	5.5-20%	20-40%
Wool.	11.5-27%	27-45%
Jute	7.0-21%	20-60%
Flax,Hemp.	6.0-20%	20-60%
- Source of Power. : 6-V dry cell battery/re-chargeable battery.
- Field Calibration. : Built into the unit for both ranges.
- Approximate Weight : About 2 kg. including sensor and battery box.



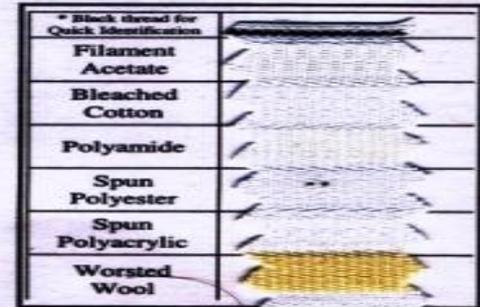
MULTIFIBER FABRICS



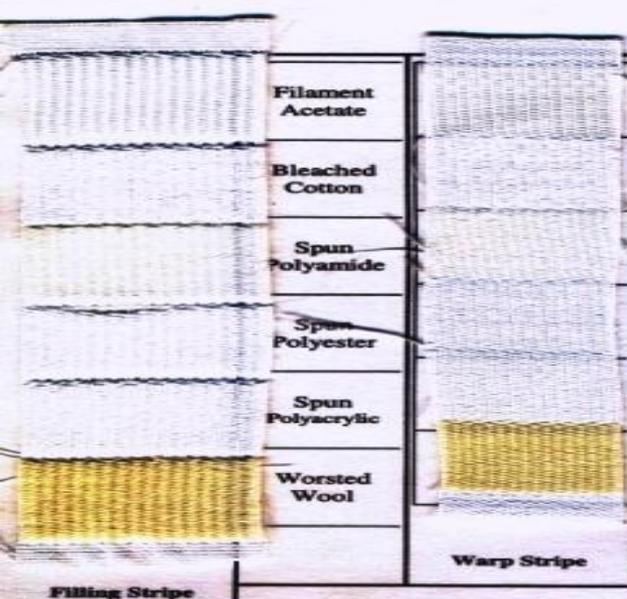
AATCC MFF # 1 (Filling Stripe)
2 Heat Sealed Edges



AATCC MFF # 10 (Filling Stripe)



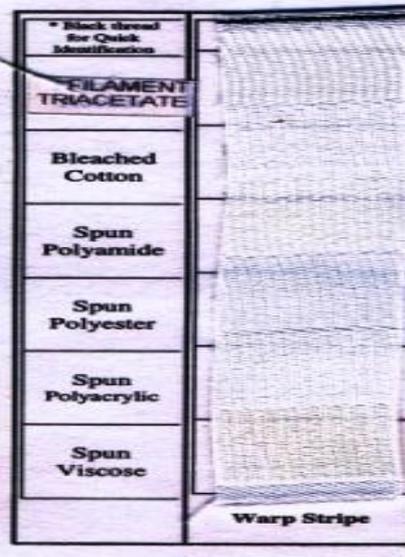
MFF # 10N (Warp Stripe)



MFF #10A

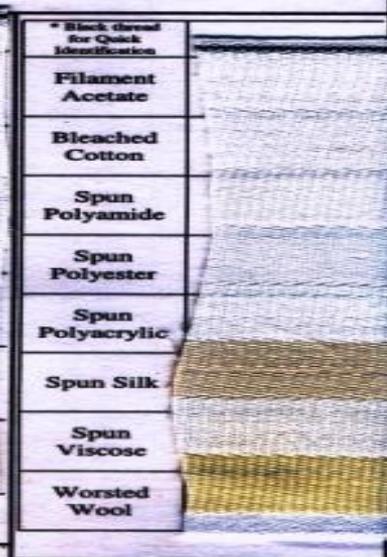
(ISO Reference Multifiber Adjacent Fabrics "DW")
(Tested and approved for ISO, AATCC, M&S)

MFF # 42



MFF # 41

(ISO Multifiber Adjacent "TV")



MFF # 49

(For JC Penny testing)



MFF # 43

* Black thread is solution dyed colorfast.

Quality Assured Consumables



AATCC Grey Scales



SDC Grey Scales



SDC Grey Scales



AATCC Standard Detergent With optical Brightener



AATCC Standard Detergent (WOB)



1.8 mm Tip Marker Pen



3.2 mm Tip Marker Pen



Cutting Pad



Cutting Pad



Blades for GSM Cutter





Multi Fibre AATCC



Multi Fibre SDC



Perspiration Kit



Nickel Detection Kit



Phenolic Yellowing Kit



spectra VIDE Kit



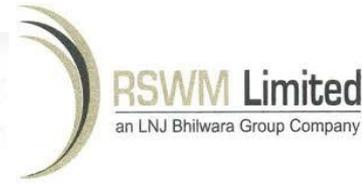
Peroxide Kit



Microscopy Kit



Our clients



South Asia



