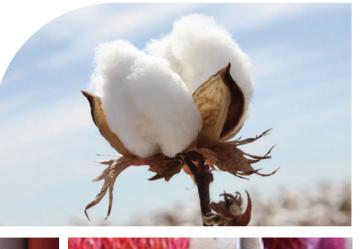
#### Our valued customer across the world





The Complete TEXtile LABoratory Solutions

Range of Cotton, Yarn, Fabric, Dyes & Chemical, Processing and Testing Instruments









#### **Texlab Industries**

Manufacturers of Textile Laboratory Testing Instruments

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### Range of Yarn, Fabric, Dyes and Chemical **Testing Instruments**



#### Infra Colour Dyeing

Infra Red Color Sample Dyeing Machine 12 x 250 ML

PC-03 Micro porcessor based Controller Material of construction S. S. Body 304

Extra Beakers: Carriage suitable to hold 12 x 100 ML 12 x 250 ML, 06 x 500 ML, 4 x 1000 ML

Through Infra Red Radiation. Heating.

**Heating Power** 4.5 kW.

Fixed. 20 RPM / 40 RPM Optional Variable Speed available Rotation

Max.Temperature

Up to 5° C / Minute Max.Rate of Heating

Materials of Beakers S.S.316

Electric Supply Drive 3 Phase + Neutral .440V AC.

> Equipped with 1/4 H.P Three Phase Geared Motor to give Fixed. 20 RPM/40 RPM of Rotor through Invertor.

Auto Cooling



#### Rota Dyer Machine with **Easy Locking System**

- Material of construction 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 1/8<sup>th</sup> H.P Single Phase Geared Motor to give 23 RPM of Rotor
- 2 Nos. Immersion Heater each of 3 kW
- Max.Temperature 95°C
- 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, 6x500 ml. beakers
- [A] Rota Beaker Dyeing Machine. with Easy Locking System (Old Model )
- [B] Rota Beaker Dyeing Machine with Easy Lock System.(New Model)
- [C] Rota Beaker Dyeing Machine with Easy Lock System.( With Multi Purpose) In Single Rotar You can Use the Beaker of 100ML, 150 ML, 250ML & 500ML Cap.
- [D) Rota Dyer Machine with Easy Lock System (With Washing Fastness facility) With Multi Purpose variable speed Upto 40 RPM For Dyeing speed of 23 RPM, For Washing speed of 40 RPM





#### Glycerin Bath HTHP Glycerin Bath Beaker Dyeing Machine. Platform Model.

Material of Construction : Machine Structure & Panel S.S 304

While Beaker & its cover made of S.S.316 & its threaded lead made out of Gun Metal

No. of Beakers : 12 x 250 ML Cap. Model A

18 x 250 ML Cap. Model B

Motor Equipped with ½ H.P Three Phase Geared Motor to give 23 RPM

Equipped with 6 kW immersion Heater 2 x 3 kW Heater

Room Temp. up to 135° to 140° C Temperature

Cooling System (Copper Coil): Manual & Auto

Electric. Supply 3 Phase, 440 volts. A.C : 1 No. Hook type Spanner for Lifting Beakers Accessories

1 No. Stand for Beaker Mounting

1 No. Normal Screw Driver for opening Easy Lock system





Rota Dyer



#### **Air Permeability Tester**

Air permeability is the property of a fabric to allow passage of air through it under the effect of a difference in pressure across its two faces. It is defined as the volume of air passing through a defined area under a specified pressure difference over a known period of time. It is a very important property for fabrics which are used under conditions where it is necessary to know precisely the amount of air passing through it.

Test area

Rotameters 9 to 90; 65 to 650; 360 to 3,600; and 1,940 to 19,400 lph at NTP (accuracy ± 3% of FSR in each

range) range is optional

Pressure indicator Electronic type with a pressure transducer and digital display to measure and indicate pressure upto

10 inch mm water column (least count 0.1)

IS 11056 - 1984 Method for Determination of Air Permeability of Fabrics

**DIN 53887** Testing of Textiles - Determination of the Air Permeability of Fabrics

#### **Digital Bursting Strength Tester**

Standards ASTM 3786 ISO 2758/3303/3689 BS 1337/3424 IS 1966 DIN 55861

#### Suitable for Fabric / Paper / Leather & LDPE / HDPE Pro

- Equipped with Microprocessor Based LCD Display Controller
- Suitable to test sample up to 60kg / cm<sup>2</sup>
- Displays Resolution of 0.1 or 0.01 kg / cm<sup>2</sup>
- Digital Indication for accurate reading Controller having Facility to Adjust Unit Selection viz

#### Kg/Sq.cm, Bar, PSI, Kpa & MPa

- Stores data up to last Ten readings & gives Average Value, Max. Value & Min. Value of the Tests
- Facility to perform batch testing up to 10 test and record data in memory
- Quick, Easy, Accurate & User Friendly Operation- As M/c, Stops automatically on completion of the test and also having Auto Reverse facility
- The machine is equipped with 1/4th H.P Geared Ele. Motor
- Also Equipped with Variable Speed Drive to control flow of Hydraulic Fluid

#### **Paper Tube Crushing** Tester

#### Specifications:

Machine suitable up to Maximum 100 mm Dia. X 300 mm length Sample.

- Digital CS tester suitable for Paper core crushing application.
- Maximum working capacity up to 10 Kgf.
- Load indication digital. ( Unit gms )
- Pressure is developed with help of pneumatic systems.
- Digital Load indicator with least count of 1 gms.
- Last result (Max. Load) will be display on indicator.



#### **Compressability Tester** for Corrugated Box

Specifications:

No of test possible

Compression test for corrugated box

Speed range

Load cell range

Safety

Speed is selectable direct from the computer. Speed range is 50 -200mm / min. Not need to change speed at the time of testing. Speed direct select from the profile. Speed is selectable with help of variable

AC drive

Maximum machine capacity 1000kgf. Machine structure capacity Machine capacity

suitable up to 1200kgf

1000kgf with accuracy of 0.01kg for COMPRESSION Load cell mounting

Compressive load cell mounted on to the top adjustable plate

Additional safety on over load and over extension. Mechanical safety

with help of limit switches

Customized PLC based electronics panel, compact panel design to Electronic panel

avoid electrical and electronics problems. Atmel make microprocessor Individual PCB for load and extension to get better accuracy. PCB is

Load cell safety, negative load sensing facility to protect the load cell.

free from environmental effects

Calibration User can cross check calibration at any time. User friendly very easy

calibration facility also provided to calibrate the machine at customer end also. NABL calibration certificates are providing with the instrument.

with help of Machine user can check compressive strength of Type of test

corrugated box maximum size up to 1250 x1250mm

Power Single Phase up to 15Amps – 1 point





#### **Electronic Tensile Strength Tester**

Standards ISO, ASTM. BS, IS. IWSTM

- Digital LCD Based & Computerised
- Suitable for Fabric/Lea & Single Yarn Rubber, Metal, Strip, Plywood, Wire, Paper & Cable
- Suitable Grips shall be supplied depending on Applications
- (A) For Lea. & Fabric Cap: 100/500kg. LCD & Computerised
- (B) For Lea/Fabric& Single Yarn Cap:10 /50kg.to 500kg. Computerised in Single Machine
- (C) For Fabric, Rubber, Metalstrip, Wire, Plywood, Paper etc. Cap:250kg /10T LCD & Computerised

#### **Single Yarn Strength Tester**

To check the strength and elongation Properties of a Single Yarn. Standards ASTM D2256,BS1932

#### Pneumatic Cap.10kgf.

Pre Install Requirement: 15A socket, individual grounding for instruments, sprit level flat surface, 50 bar air compressor for air input.

#### Motorised Cap.10/50kgf.

Pre Install Requirement: 15A socket, individual grounding for instruments, sprit level flat surface. · Can calculate Tenacity

- Time to Break
- Breaking Force, Elongation of specimen
- Can input number of test, specimen Length
- Test Speed can be adjustable
- Pneumatic based mechanism which is powered by Mircro Controller.

Mechanical Yarn Gripping

Power Supply. Single Phase 230V A/C. 50 Hz.



#### **Tearing Strength Tester**

**Standards ISO 9290 / 13937 ASTM D1424, BS4253 / 4468** IS 6489 / DIN 53862

- Elmendorf type tearing strength tester to check the ballistic Tearing strength of 1600, 3200, 6400 and 12500 grams.
- · Supplied with augmenting weights and set of Brass Calibration weights complete.
- Machine confirms to IS-6489-1979, ASTM D-689-1979



#### Abrasion Tester Standards ISI2673-1989, IS-2634-1987, IS-3919-1987, IS-635801971 and ASTM-4966.

Martindale Type-This precision built multi-purpose machine Rubs the material in Multi-direction for measuring resistance to surface. The path 1laces by Multi-motion is known as Lissaious Figure, changes from a circle ID gradually diminishing ellipses until it becomes a straight line. The multi direction motion can easily be converted into a uni-direction motion. The instrument is equipped with solid stat electronic digital pr&-settable counter of 5 digit. The Standard weight of each specimen holder is 400 9ms.



#### **Pilling Tester**

For Determination of resistance to Pilling and change of Standards BS 5811, IWSTM 152 Appearance of Fabric for Both Woven & Knitted Material. NEXT 19, M&S P18, P18A, P18B

- P21A BS EN 12945-1 With 2 Wooden boxes.
- Internal size 9"x9"x9"
- Best Quality rubberized Cork Sheet of 3 mm thickness
- Fixed speed of rotation of boxes is 60 RPM.
- Size of Test specimen is 32mm IDX 150mm long Size of Pilling Tubes: 32mm dia x 26mm x 150mm long having Shore Hardness of 65 degree.
- Equipped with % H.P Single Phase Geared Motor Pre-sellable Counter having 5 digits(99999) sensed by best quality Proximity Switch.
- Supplied with Specimen mounting Jig. Specimen Cutting.
- Template & 8 Nos. Pilling Tubes.
- Other Model With Iwo Compertment in one side Model is also available.



#### Random Tumble Pilling Tester Standards ASTM D3512 / D3512M

Random Tumble Pilling Tester is completely made of mild steel which is duly powder coated. Four Pilling drums are made of aluminum which is lined with imported cork lining. Specially designed blades are incorporated for proper movement of samples. Option for lights and air flow in the chamber is also incorporated. Acrylic door for viewing the samples during testing.

Power Supply: 220V. AC. 50Hz. Single Phase Motor 1/2 HP

Station: 4 RPM: 1200

145mm Drum Dia: Drum Length: 150 mm Cork Lining: 146 x 452 x 1.5 mm





- PC-07 Controller having gradient & temperature with service free controller.
- Machine tank of SS 304 & Beakers of SS 316 Electro Polish,
- Rocker Arm facility having up & down movement and also rotational movement.
- Temperature which can go up to 99 degree centigrade.



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#### **Pneumatic Padding** Mangle

#### Pneumatic Padding Mangle Machine. (S.S.304)

- Consist of Two Bowl having dia. of 120mm & 300mm length / 120mm & 450mm lengt
- Two Bowl duly synthetic rubber molded with hardness @ 70 to 75
- Machine equipped with ½ H.P D.C Motor with electronic D.C Drive
- Also consist of Regulator, Pressure Gauge and Switch for
- Up-Down motion of Bowl with Air Compressor
- Electrical supply: 15 Amps, Single Phase 230V A.C



### **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
- Cloth Carrying Capacity: 20 Cm X 150 Cm
- Inner Diameter Of The Vessel: 38 mm Height Of The Vessel: 535 mm
- Material Of The Construction: S.S 304
- Electrical Load: 3 kW
- Electrical Supply: 220v
- Star Frame: For Aging Samples Inside The Chamber



#### **High temperature** steamer

High temperature Steamer is a versatile machine useful for applications like saturated steaming, high temperature steaming, flash aging and thermo soling at atmospheric pressure.

- Maximum sample size 45cm x 30 cm.
- Automatic pin frame transfer with pre selectable dwell time.
- Electrical heating for steam generation provided.
- Steam super heating up to 250oC possible.
- For uniform distribution of steam or dry heat in the machine, blower is provided.
- Nozzle provided for external steam supply.

Technical Specifications.

Working Pressure. Atmospheric. SS 304 Material of construction Maximum sample size 45 cm x 30cm 250oC possible Steam super heating up to Min. 30 sec, Max. 30 Min Dwell time Heating load Steam Generation 6 KW

Steam Super Heating

4 KW Through PLC BASED CONTROLLER. Automation

415V, Three", 50Hz, 15A Electrical Supply





#### **Laboratory Winch Table Top Model: 9 Liter/19liter**

In Laboratory winch the dyeing is carried out in relaxed condition with Minimum tension on fabric. There is no distortion to fabric structure. Detachable winch which will help to easy loading of hanks. The temperature, Time and the drive is controlled though micro processor.

#### **Technical Specifications:**

- Material of construction: S.S.316.
- Maximum liquor capacity: 9 Liter.
- · Heating: Indirect electric heating.
- Winch Speed: A.C. Motor of speed 17 rpm.
- Electrical supply:230V A.C. Single Phase, 15 amps.
- Power Requirement: 2 KW.
- Dyeing temperature: up to 95°C.



### Laboratory Jigger Machine

Laboratory jigger is suitable for dyeing cotton.linen, rayon, blended fabrics with dyestuff such as direct, acid, basic, reactive dyes.Fully automatic with temperature and direction reversal.

- Ideal for applications like scouring, bleaching and dyeing of woven fabric samples
- Working width: 450 mm
- Suitable upto temperature of 95°C
- Temperature control through micro controller
- Even fabric tension
- Results can be reproduced and transferred on production machines.
- Dye liquor trough with 2 compartments for comparative results available as an option
- Fabric speed up to 6 meter/minute
- Length of fabric: up to 20mm thickness of fabric when wounded on one of the roll



# Laboratory Fabric Rope Dyeing Machine

In Laboratory fabric rope dyeing machine, dyeing is carried out in relaxed condition with minimum tension on fabric. There is no distortion to fabric structure. A small pump is provided to circulate the dye liquor and it will inject the liquor on the

#### **Technical Specifications:**

- Material of construction: S.S 316
- Maximum liquor capacity: 19 liter
- · Heating: indirect electric heating
- Winch speed: A.C Motor of speed 17 rpm
- Electrical supply: 230vac, single phase, 15amps
- Power requirement: 4.5 kW
- Dyeing temperature: up 95°C



# 300mm working width CDR Continuous Dyeing

- Vertical Padder
- IR Pre-Dryer
- Chemical PadderSteam Chamber
- 5 Nos. Washing Tanks
- 5 Nos. washing ranks
- Fabric Batching Device.



#### Trash Analyser

- This unit consists of fully closed box type Table Top unit.
- Having a Feed roller to feed the Raw Cotton (well Opened) and works like a Carding machine to separate the Trash.
- Micro dust 1 & 2, Lint (Cotton) individually and will reach its chambers as provided in the Machine.
- After the final process one can easily measure the weight of the material to find the results.
- · Capacity: Feeding Quantity -Up to 100 Grams of Raw Cotton.
- Power Consumption: 1250 Watts -Three phase -440 V @ Hz
- Weight: 180 200 Kgs.
- Accessories : Cleaning Brush, Feeding Tray.



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#### **Wrap Block**

- Swift Perimeter- ½ OR 1 Yard Circumference.
- Rings Bell before completion of 15 Yards.
- Also equipped with Mechanical counter to show 0 to 15 yards



## Motorised Wrap Reel with Digital Counter.

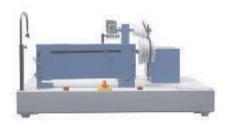
Standards IS0-2060/3801, BS 2010 / 2471 / 6372, ASTM 1578 / 1907 / 2260 / 2646 / 3776 IS 1315 1WSTM 13 IW TO 22-83 DIN 53830

- Make 10 Leas at a time Motor Operated
- With Electronic Pre-settable Counter equipped with PNP Proximity switch
- Whole Machine constructed from best quality Mild steel & duly Powder Coated
- Reel having Periphery of 1 Meter & Makes a Lea of 90 meters in case of metric system (Denier)
- Reel having Periphery of 1.5 yards & Makes a Lea of 120 yards in of case of British System (Count)
- Also equipped with Tensioning Device & Bobbin Holders
- Final Speed of reel with 75 RPM
- Equipped with 1/8th H.P Single Phase Geared Motor
- Electric supply:5 Amps. Single Phase 230V



# Yarn Appearance Board Winding Machine Motor Driven.

- With Auto-Off system on completion of Boards
- Suitable to wind the Boards of Diff. sizes viz.11"x7", 10"x6", 12"x7", 12"x8"
- Also having Rev/For system
- With 5 different speed viz.20,26,32,38 & 48
   Wraps/Inch to be set by 5 Step pulley Drive



#### **Electronic Twist Tester**

Standards – ISO 2061, ASTM D1422 / 1423 BS 2085 IS 832 DIN 53832 IW TO 25-70

- 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



 $\mathbf{4}_{-}$ 



#### **GSM Cutter**

Without Blade & Rubber Pad.

Dia -11.28 cms

Radius - 5.64 cms

 Area of Circle- Pie x Radius x Radius x 5.64 x 5.64 3.14 x 5.64 x 5.64

10 cms<sup>2</sup>

weight of sample in grams x 100

GSM Cutter is Reduced to 10 times

To Calculate GSM. Multiply Weight of sample cut by 100



#### **Shrinkage Scale**

Standard: ISO 6330

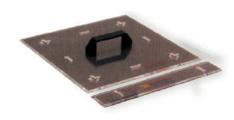
Size

: 250mm x 250mm 350mm x 350mm

500mm x 500mm,

To Check the Shrinkage directly in percentage)

Specfication as per Catalogue



#### **Gray Scale**

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



#### **Consumables**

- All type of consumables and spares supplied for the textile laboratory
- · GSM cutting pads, Round cutter blades, Crocking cloth, Multi fiber fabrics. Adjacent fabrics
- · ASTM, AATCC-USA, SDC-UK





#### **Battery Operated Pick Glass**

- High Power Illuminated Desk Handheld Magnifier
- Scale up to 10mm
- · Self focusing adjustment wheel



#### **Digital Moisture Meter**

Electrical conductivity generated by moisture. Measuring Principle :

A large range of electrodes to meet requirement Measuring Sensors. :

Of various production stages

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% 27-45% Wool 11.5-27% 7.0-21% 20-60% Jute Flax, Hemp 6.0-20% 20-60%



#### **Electronic Yarn Tension Meter**

Measuring Range : 0 to 200 grams / 0 to 500 grams

**Specification** 

 Accuracy : +/- 2% Full Scale

 Resolution : 1 gram : 3 Digit LCD Display

: Sensor Probe 40mm Dia, 175mm Diamensions





#### 1kg./5kg. Yarn Dyeing

3. Specification of fiber carrier

1. Machine capacity

4. Liquor ratio

2. Operation

: semi-automatic

: 1kg yarn / fiber dyeing

: vertical type with perforation as per drawing

attached, material of construction S.S 316

: about 1:12 for air pad and 1:15 for fully flooded operation

(This MLR is given for standard size packages. The MLR is

directly dependent on the package size, package density)

: steam heating

: up to 40° C/min

: up to 30°C /min

: 12 liter

: 220mm

: 3kW

: 145°C 6. Maximum working temperature : 4 kg / cm^2

7. Working pressure

8. Addition tank

5. Heating system

9. Heating gradient

10. Cooling gradient

11. Maximum bobbin diameter

12. Total power

13. Size : 1300 x 800 x 1250mm



### 1kg./5kg. Soft Flow for **Fabric Dyeing**

with standard automation and accessories.

This machine is suitable for dyeing of fabric in rope form up to the temperature of 135°C. The Soft Overflow Dyeing Machine is ideally suited for dyeing woven and knitted fabrics. Due to the soft treatment imparted even delicate fabrics retain their handle and feel. The fabric in rope form is passed through the soft overflow nozzles and remains immersed in the dye liquor in the main vessel

Specification Of Round Type Soft Overflow Dyeing Machine With Pc02

Controller

Nominal capacity per batch 1 kg. Minimum MLR 1:20 Maximum Reel Speed Meters / Min

Winch Motor H.P 0.25hp geared motor, shaft mounted.

No .of Winch Motor Circulation Pump H.P 1HP

415V, 3 Phase, 50Hz. **Electricity Supply** Through electric heaters 6KW Heating

Maximum Temperature 135 degree C Minimum Rope Length in Meters 3 meters

Nozzle Diameter in mm 80 Pl .note that if fabric Dia is more

then, to cut the fabric and process

the same for smooth trans

Nozzle Gap in mm 6mm

Material of Constructions All wetted parts - Stainless steel AISI 316 All other parts-Stainless steel

AISI 304.

Floor space in mm. 900 widths x 1000 depth x 1200

height.

#### **Leather Colour Matching**

- Material of construction S.S 304 or M.S. Powder Coated Consisting of 1/4th H.P PMDC Motor with electronic Variable speed drive. Fitted with 4" Tube light. Also fitted with 4" Ind. Fans-2 nos. for uniform circulation of hot air through out the vessel. Suitable for 200 mm & 300 mm Diameters' Drum
- 6 Acrylic Drums of Size 200 mm x 75 mm Face
- 6 Acrylic Drums of Size 250 mm x 75 mm Face
- 6 Acrylic Drums of Size 300 mm x 90 mm Face







(Launder - O - Meter)

**Standards**: **BS-1006,IS0-105** M&S C4A, 5, 37, P3B

Washing Fastness Tester Easy Locking system. Platform Model With Digital Microprocessor based DP-7 or normal Temperature Controller & Timer. Also Gives buzzer after completion of set time

Material of Construction: Machine Structure & Panel S.S 304

while Beaker & its lead made of S.S.316 Materials.

No. of Beakers 9 x 550 ML Cap

Equipped with 1/4 H.P. Three Phase Geared Drive

Motor to give 40 RPM of Rotor

2 Nos. Emersion Heater each of 3 kw Cap Heater

Up to 90° to 95°C Temperature

3 Phase 110 VOLTS, OR 220 VOLTS, 60 HZ Ele. Supply



#### **Digital Crock Meter**

Rubbing Fastness Tester **Standards: ISO 105 x 12/D02** BS 1006 D02 AATCC 8/165

- Whole Machine constructed out of best quality Mild Steel duly Powder Coated.
- · Motor Operated.
- · With Digital Electronic Stroke Counter.
- PNP Type Proximity Switch for sensing Each Stroke.
- Auto-Off after completion of set stroke.



#### MBTL Light Fastness Tester Standards : BS 1006 UK/TN IS 2454

**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 holder for holding fabric

specimens are supplied with the instrument

Type holders : 50 pcs C Type holders for yarn

Water circulation pump is fitted for controlling the Temperature of the inner Cooling arrangement

chamb, of the specimen holders

Power supply 220/240 VAC

Pump : 1/8 hp motor pump is fitted for the circulation of water Motor : 1/4 hp motor . 2 RPM is fitted for revolving movement

Watertank : 10 ltr capacity of tank for storage the water for circulation purpose

: Humidity is controlled in side the sample holder for the fabric. Samples only Humidity control

With the help of water circulation

Note: The prices of Grey Scale & Blue Wool standards will be charged extra

IS0 Blue Wool Light fastness Standard 1 to 8 set







#### **Color Matching Cabinet**

[A] Color Matching Cabinet Model **A Normal** 

With Hour Meter" Which shows total usage of light sources in

Color Matching Cabinet Model B Microprocessor based Inbuilt circuit & Feather-Touch Control Panel & Digital Hour

Meter for Each Light Source

 Light Source No. Color temp

6500° K 2 Nos. • D-65  $4000^{\circ} \, \text{K}$  TL-84 2 Nos. T-F-L 2300-2800° K 2 Nos.

CWF 1 No. 4100° K

 UVB 1 No. TL-83 1 No. Optional

U-35 1 No. Optional 1 No.





DIGITAL

#### **Sublimation Fastness Tester**

Standards ISO 105, BS 1006 AATCC 92 ,114, 117, 133

• Test the effect of dry heat on sublimation properties of dyestuff

120 Watts . 75 Watts Optional

- Fixed temperature of 150°C, 180°C & 210°C on each pad or variable by  $\pm 30^{\circ}$ C of the fixed temperature setting
- Number of heating station 3

Inca A (Bulb)

- Number of pads 6, 2 for each stations with individual heating
- Size of each pad 40 mm to 100 mm
- Timer range 10 to 60 second
- Optional Single Pad or Double Pad Model also available



#### **Perspiro Meter**

Standards: ISO 105) ISO 105 BS 1006, BS EN 20105 (AATCC)15,106,107,165

- All stainless Steel Perspirometer to determine the Color Fastness of all types of fabrics against PERSPIRATION
- PERSPIROMETER All Stainless Steel.
- Sea Water supplied with 42 Acrylic Separator Plates.
- 200 Nos. Abradant Fabrics and a dead weight of M.S. Powder Coated.
- Weight 4.10kg (9 lb) for ISO testing
- Weight 3.63kg (8 lb) for AATCC testing



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#### **Hot Air Oven**

Inner S.S & Outer MS./Inner/Outer S.S.

- · Double walled, glass wool insulated
- 80/20 Ni-chrome heating elements placed under ribs at bottom and sides for uniform heat distribution
- Temperature Range 50° to 250° or 350°C with Thermostatic Control
- Electric supply: 15 Amps. Single phase 230V A.C

#### Available sizes

		Н	W	D (cms)
•	1	35	35	35
•	2	45	45	45
•	2	60	45	45
•	3	60	60	90
•	3	90	60	60

#### Optional

- [A] Microprocessor based Temp. Controller & Timer
- [B] Forced Air Circulation by TEFC 1/12 H.P. Continu

#### **Crease Recovery Tester**

- Accurate determination of recovery properties of fabrics against
- · Specimen loading device and standard weight supplied for hands-on-use



#### **Stiffness Tesrer**

- To determine the bending length Flexural rigidity and bending modulus of fabrics
- Supplied with specimen cutting template and graduated measuring scale



#### **Thickness Guage Analog / Digital**

#### Fabric Thickness Gauge Analog

- With "Mitutoyo" Gauge of 0-100 mm Range
- Least Count 0.01mm

#### Fabric Thickness Gauge Digital

- With "Mitutoyo" Gauge of 0-10 mm Range
- Least Count 0.01mm



#### **Stretch Recovery Testing Equipments for Fabric**

All 3 Numbers of Aluminium flates will be fitted with Scale Patti. 24" Long.with Toggal Clamps/Forks, Flat size = 50mm width x 25mm thick x 45" long. All Flats units will be fitted on Number of Laminated Wooden Board of Suitable size.

Weights will be supplied as under:-Weight from S.S.304 (Vertical Type) 1.36kg. PC-2

Weight from S.S.304 (Vertical Type) 1.8kg. PC-2 Weight from S.S.304 (Vertical Type) 2.3kg. PC-2 Weight from M.S.Materials with Hardchrome Plaing 1.36kg.

Weight from M.S.Materials with Hardchrome Plaing 1.8kg. Weight from M.S.Materials with Hardchrome Plaing 2.3kg.



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