













**The Synthetic & Art Silk Mills' Research Association,
Sasmira Marg, Worli,
Mumbai – 400 030**

List of Major Laboratory Equipment's Currently being Used to Provide Services to Industries










SI. NO	Equipment	
1		Gas Chromatography-mass spectrometry (GC-MS)
2		High Performance Liquid Chromatography (HPLC)
3		High Performance Thin Layer Chromatography (HPTLC)
4		UV-VIS Spectrometer
6		Ultrasonicator
7		STA
8		FTIR
9		Particle Size Analyzer
10		CHNS-O Analyser

Mechanical Testing Equipments

Sr. No	Equipment	
1.		Vibroskop 400
2.		Yarn Evenness Tester
3.		Twist Tester motorized (SASMIRA developed)
4.		Crease Recovery Tester
5.		Thickness Tester (Digital)
6.		Lea Tester
7.		Bursting Strength Tester
8.		Wrap Reel (SASMIRA developed)
9.		Thermal Conductivity Tester (SASMIRA developed)
10.		Pilling tester (SASMIRA developed)










Sr. No	Equipment	
11.		Abrasion Tester (Martindale)
12.		Abrasion Tester (Taber)
13.		Environment Chamber
14.		Universal Tensile Machine
15.		Universal Tensile Machine & Index/CBR Puncture
16.		A.O.S.
17.		Crimp Tester (SASMIRA developed)
18.		Photo Microscope
19.		Drape Meter (SASMIRA developed)
20.		Crimp Rigidity Tester (SASMIRA developed)

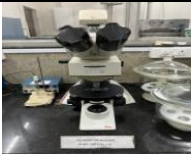
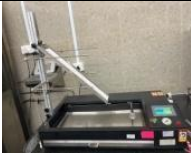







Sr. No	Equipment	
21.		Tear Tester
22.		Water Permeability Tester
23.		Cone Drop Tester
24.		Flexing Tester
25.		Water Vapour Permeability Tester
26.		Abrasion Tester
27.		De-Mattia Flexing Tester
28.		Star Creep Tester




Sr. No	Equipment	
29.		Accelerated Creep Tester (SASMIRA developed)
30.		UPF Tester
31.		Air permeability Tester
32.		Weatherometer
33.		Thermal Conductivity Tester
34.		Shade-o-meter (SASMIRA developed)
35.		Wind Blockage Tester (SASMIRA developed)
36.		Thermoregulatory Tester (SASMIRA developed)
37.		Hazemeter

Chemical Testing Equipments

Sr. No	Equipment	
1.		Durability Tester
2.		Wascator
3.		Hot Air Oven
4.		Stability Chamber
5.		Muffle Furnace
6.		Spray Tester
7.		Perspirometer (SASMIRA developed)
8.		Perspirometer (SASMIRA developed)
9.		Launder-O-Meter (SASMIRA developed)
10.		Crock meter (SASMIRA developed)

Sr. No	Equipment	
11.		Sublimation Fastness tester
12.		Bundessmann Tester
13.		Inclined Flammability Tester (45 deg)
14.		Hydrostatic Pressure Head Tester (SASMIRA developed)
15.		Spectrophotometer
16.		pH meter
17.		Light Fastness Tester (Q-Sun HBS)
18.		Light Fastness Tester (Q-Sun 3H)
19.		Light Fastness Tester Xeno Test 220
20.		Limiting Oxygen Test Apparatus

Sr. No	Equipment	
21.		Polarised Microscope
22.		Toy Flammability Tester
23.		Vertical Flammability Tester
24.		Autoflammability Tester
25.		Motorised Drum Dryer with Timer
26.		Melting point Apparatus
27.		Static Honestometer
28.		IR Dyeing Machine
29.		Wrist Shaker

30.		Padding Mangle
31.		Soxhlet Apparatus
32.		Drying and Curing Chamber