

SOUTHERN UNIVERSITY AGRICULTURAL RESEARCH AND
EXTENSION CENTER
TEXTILE TECHNOLOGY LABORATORY
MATERIALS TESTING SERVICES

The Textile Technology Laboratory Features State of The Art Technology for Testing Textile and Other Materials

SERVICE	EQUIPMENT
Care Labeling Durability Laundry Colorfastness Shrinkage	<ul style="list-style-type: none"> ❖ Quickwash by Raitech ❖ Quickview by Raitech ❖ AATCC Recommended Standard Washer ❖ AATCC Recommended Standard Dryer ❖ Atlas LHT Launder-O-Meter ❖ Mahlo Color Guide Spectrophotometer ❖ Variolux Color Evaluation Chamber (Daylight, Department store light, Ultra Violet Light, and Incandescent Light) ❖ Motorized Atlas Crockmeter ❖ Atlas Laboratory Wringer
Microscopy Fiber Content And Analysis Photomicrographs	<ul style="list-style-type: none"> ❖ Zeiss Axiopol Lab Polarized Light Microscope ❖ Compound Digital Microscope System
Physical Properties Tensile strength Tearing strength / Abrasion Pilling Weathering / Aging Resistance Yarn twist testing	<ul style="list-style-type: none"> ❖ MTS Alliance RT/5 Tensile Tester ❖ Textest FX-3750 Digital Elmendorf Tear Tester ❖ Taber Abrasion Tester (double headed) ❖ Atlas Random Tumble Pilling Tester (4 Chamber) ❖ Atlas Ci3000+ Xenon Weatherometer ❖ Twistmatic Digital Yarn Twist Tester
Computer Aided Design Digital Textile Printing Computer-Aided-Design (full range of services). 3D Body Scanning	<ul style="list-style-type: none"> ❖ TC² 3D Body Scanner ❖ Digital fabric printers ❖ Vertical low pressure fabric steamer ❖ Lectra System Software <ul style="list-style-type: none"> ➤ Kaledo Textile (Print, Woven & Knit) ➤ Kaledo Style (Fashion Illustration) ➤ Modaris and Diamino (Pattern making) ➤ Modaris 3D – 3D Virtual Prototyping
MISCELLANEOUS	<ul style="list-style-type: none"> ❖ Mettler Toledo Precision Balance ❖ Scientech Precision Balance ❖ Quickcalc Scale by Raitech ❖ Quickcut by Raitech Swatch cutter ❖ Round Cutter by Raitech