

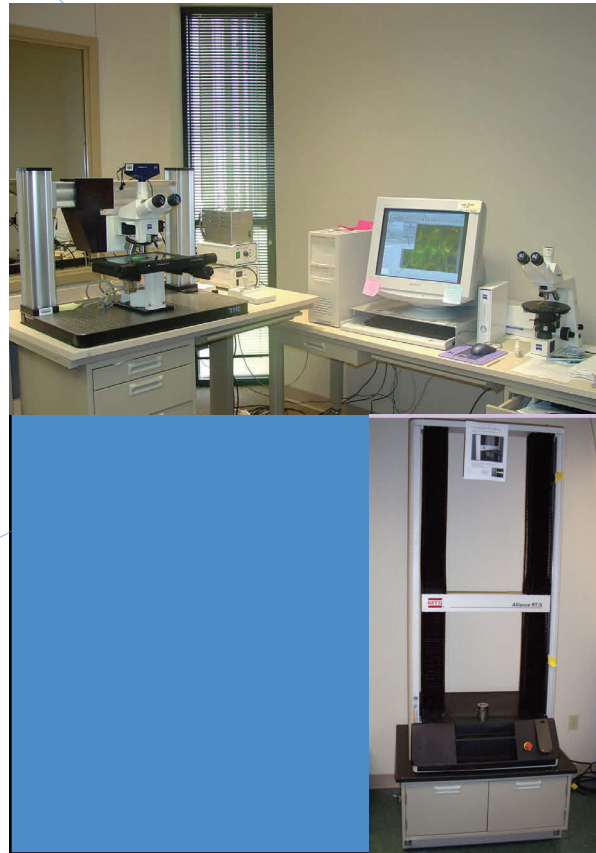
SOUTHERN UNIVERSITY AGRICULTURAL RESEARCH AND EXTENSION CENTER

The Southern University Agricultural Research and Extension Center (SUAREC) was established on July 1, 2001 out of the need to enhance the impact of our land-grant programs on the citizenry of the state of Louisiana. The mission of the Center is to conduct basic and applied research, and disseminate information to the citizens of Louisiana in a manner that is useful in addressing their scientific, technological, social, economic and cultural needs.

The Center's programs are multidisciplinary with collaboration among research scientists and cooperative extension personnel from Southern University and the LSU Agricultural Center. SUAREC is poised to be recognized and valued as a premier provider for practical new discoveries, outreach education and technical assistance in food, agricultural and human sciences.



SUAREC
A.O. Williams Hall



SU AG CENTER

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TEXTILE RESEARCH AND DIGITAL TEXTILE PRINTING

SU AG CENTER



Textile Technology

*State of the Art Technology for
Research, Teaching, and Service*

www.suagcenter.com

"Linking Louisiana Citizens with Opportunities for Success"

TEXTILE TECHNOLOGY LABORATORY

The Textile Technology Laboratory is located inside the Southern University Agricultural Research and Extension Center (SUAREC) in Baton Rouge, La. The laboratory has state of the art technology and equipment for physical textile and materials testing, digital imaging, microscopy and image analysis, textile surface design and digital fabric printing.

Quickwash by Raitech for accelerated laundering.

Testing and Analysis services include the following:

Care Labeling: durability, laundering, colorfastness, and shrinkage.

Physical Properties: tensile strength, abrasion, tearing strength, pilling, weathering, and aging resistance.

Microscopy and Image Analysis: Fiber identification, automated microscopy, and advanced image analysis and color photomicrographs.

Computer Aided Design and Digital Textile Printing: Design, digital printing, and steaming, 3D Body Scanning.

TEXTILE TECHNOLOGY LAB EQUIPMENT LIST

Care Labeling:

Quickwash by Raitech
Quickview by Raitech
Atlas LHT Launder-O-Meter
Mahlo Color Guide Spectrophotometer
Variolux Color Evaluation Chamber by Atlas
Atlas Motorized Crockmeter
Atlas Laboratory Wringer

Physical Properties:

MTS Alliance RT/5 Tensile Tester
Textest FX-3750 Digital Elmendorf Tear Tester
Taber Abrasion Tester
Atlas Random Tumble Pilling Tester
Yarn twist counter

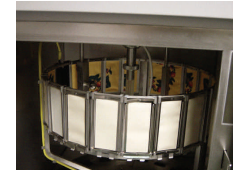
Microscopy and Advanced Image Analysis:

Zeiss Axiotech Vario automated microscope digital imaging system with Fluorescence, DIC, Dark Field and Bright Field capabilities. Transmitted and reflected light.
Zeiss Axiopol Lab Polarized Light Microscope
Zeiss Axiovision digital imaging software



Digital Textile Printing and Computer-Aided Design:

Mimaki TX2-1600 Textile Inkjet Printer
SteamJet Finisher 1 by Jacquard Fabric Systems, TC²
3D Body Scanner.



Samples loaded inside chamber of Weather-O-Meter.

FOR MORE INFORMATION

If you would like additional information regarding the Textile Technology Laboratory, at SUAREC please contact :

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