

## TESTING PROGRAM

In cooperation with the North Carolina State University College of Textiles

[IFAlexpo.com/testing](http://IFAlexpo.com/testing)

# Further Resources for Textile Testing

## NORTH CAROLINA STATE UNIVERSITY COLLEGE OF TEXTILES

North Carolina State University has extensive programs in testing, services, R&D, educational programs and outreach to industry.

The Nonwovens Institute is an innovative, global partnership between industry, government and academe, where an open innovation platform engages experts from industry and higher education in building next-generation nonwoven applications while also providing training and guidance to the field's future leaders. Activities include: knowledge creation, knowledge transfer, testing and fabrication, new product development and product incubation. Testing services are available for nonwoven, fiber and filtration testing.

- [thenonwovensinstitute.com](http://thenonwovensinstitute.com)

The Textile Forensic Analytical Laboratory is a chemical analysis and polymer characterization facility. As part of the Forensics Institute, this lab serves as a training and education center for both graduate and undergraduate students as well as performing service work for industry clients.

- [go.ncsu.edu/tex-analytics](http://go.ncsu.edu/tex-analytics)

The Textile Protection and Comfort Center (T-PACC), a world leader in laboratory based instrumented systems, has facilities devoted to analysis of heat and flame protection, chemical resistance, and comfort performance. In addition to standard test methods, T-PACC leads research to develop novel test methods and improve existing materials and garment systems. T-PACC is home to a multitude of testing capabilities, including direct flame (PyroMan) and radiant heat manikins for thermal testing, sweating manikins for comfort protection, and environmental chambers for human wear trials and chemical protection testing, among many other testing capabilities.

- [textiles.ncsu.edu/tpacc/](http://textiles.ncsu.edu/tpacc/)

Zeis Textiles Extension houses professional development training and traditional textile fabrication facilities for short staple spun yarns, knitting, weaving, dyeing and finishing. In additions to these facilities, the Physical Testing lab is available to provide testing services to industry for fibers, yarns, fabrics and garments.

- [textiles.ncsu.edu/zte/](http://textiles.ncsu.edu/zte/)

## TEXTILE TECHNOLOGY CENTER AT GASTON COLLEGE

The Textile Technology Center provides polymer, fiber, yarn, and fabric formation services. It offers extensive fiber, yarn, and fabric testing and evaluation services on state of the art testing equipment assisted by a modern microscopy and analytical chemistry lab. TTC also offers customized training to individual firms and seminars on topics for various industry segments.

- [gaston.edu/textile\\_center/](http://gaston.edu/textile_center/)

## MANUFACTURING SOLUTIONS CENTER

The Manufacturing Solutions Center is a non-profit organization located in Conover, North Carolina. We are a division of the Catawba Valley Community College. Our mission is to improve, develop and create. We strive to improve quality and efficiency, develop new products and create/retain jobs. We are a multi-faceted center offering several different services. Some services include standardize testing, product development, training (hosiery, software, industrial, etc), engineering, and many more. Let Manufacturing Solutions Center be the solution to your problem.

- [www.manufacturingsolutionscenter.org/](http://www.manufacturingsolutionscenter.org/)

## STANDARDS ORGANIZATIONS

**ASTM**—American Society for Testing and Materials Standardization: organization that develops, improves and monitors many materials test methods, including for textile materials.

- [astm.org/Standards/textile-standards.html](http://astm.org/Standards/textile-standards.html)

**AATCC**—American Association of Textile Chemists and Colorists: Standardization organization that develops, improves and monitors test methods for textiles, chemistry and coloring. This includes widely-used tests on color fastness and washing/laundrying. Moisture management methods are also part of the range of AATCC test methods. AATCC provides additional information on the test methods and how to use them.

- [aatcc.org](http://aatcc.org)

**ISO**—International Organization for Standardization: an independent, non-governmental membership organization and the world's largest developer of voluntary International Standards. ISO/TC 38 Textiles is the technical committee for textiles. ISO standards ensure that textile products are safe, reliable and of good quality.

- [iso.org](http://iso.org)

Test methods can be purchased from ASTM, AATCC and the ISO.

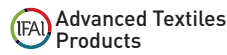
## ACRONYMS TO KNOW

<b>AATCC</b>	Association of Textile, Apparel & Materials Professionals
<b>ANSI</b>	American National Standards Institute
<b>ASTM</b>	American Society for Testing and Materials
<b>BSI</b>	British Standard Institution
<b>CGSB</b>	Canadian General Standards Board
<b>CSA</b>	Canadian Standards Association
<b>DIN</b>	Deutsches Institut für Normung eV <i>German Institute for Standardization, similar to U.S. ANSI</i>
<b>FDA</b>	U.S. Food and Drug Administration
<b>FTC</b>	U.S. Federal Trade Commission
<b>ISO</b>	International Organization for Standardization <i>Often referenced as International Standards Organization</i>
<b>NF</b>	norme française; approved French standard of manufacture, or seal of approval
<b>NICNAS</b>	National Industrial Chemical Notification and Assessment Scheme <i>Australia</i>
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals (EU)
<b>UNI</b>	Ente Nazionale Italiano di Unificazione <i>Italian Organization for Standardization</i>

*Working Together to Advance the Industry*

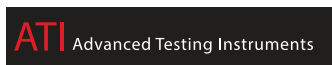
# IFAI EXPO TESTING PROGRAM

IN COOPERATION WITH



## Thank you

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*Mark your calendar*



# EXPO

Sept. 26–29, 2017 | New Orleans, LA USA  
Programming Sept. 26–29 | Show floor Sept. 27–29  
IFAIEXPO.COM

*Advanced Textiles Conference starts Sept 25.*