North Carolina Textile and Apparel Resource Guide

NC Textile Team: The Committee for Textile Competitiveness

A public/private collaboration to enhance NC textile/apparel global competitiveness

NC Department of Commerce
301 North Wilmington Street
Raleigh, NC 27699
919.715.4452
www.nccommerce.com
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- Cotton Incorporated
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Business ServiCenter

Organization Description: The Business ServiCenter serves as a centralized portal that provides information to entrepreneurs and existing business owners on services, programs, resources, licenses and/or regulatory requirements relating to start-up and business operations in the state of North Carolina.

Service Area: Statewide.
Target Clientele: For entrepreneurs and existing business owners.

Services: Technical Assistance:
- One-on-one client telephone consultations to help navigate through the start-up process.
- Customized licensing information, employer and business structure forms.
- Referrals to state agencies and state occupational licensing boards, local & federal agencies.
- Identification of local, regional, state and federal business resources and assistance with “where to go for what” for new and existing businesses.
- Small business ombudsman to resolve issues with state government agencies.

Informational Resources: Directories:
- The Directory of North Carolina Business Licenses and Permits. Provides online searchable capabilities for all state licenses, permits and/or other approvals required for business activities in North Carolina.

Commerce Finance Center

Financial incentives:

Industrial Revenue Bonds
The State’s principal interest in Industrial Revenue Bonds is assisting new and expanding industry while seeing that North Carolinians get good jobs at good wages.

Community Development Block Grants
These funds may be accessed by local government applicants (municipal or county, excluding entitlement cities or designated urban counties) with proposed projects that involves a specific business creating or retaining jobs.

The Industrial Development Fund
IDF provides incentive industrial financing in the form of grants and loans. These funds may be accessed by local government applicants (municipal or county).

One North Carolina Fund
The One North Carolina Fund may provide financial assistance to those businesses or industries deemed by the Governor to be vital to a healthy and growing State economy and are making significant efforts to expand in North Carolina. The fund is a competitive fund and the location or expansion must be in competition with another location outside of North Carolina. Criteria for the program is available through the NC Department of Commerce Finance Center.

Job Development Investment Grant
This discretionary incentive may provide sustained annual grants to new and expanding business measured against a percentage of withholding taxes paid by new employees. The program is competitive and the Economic Investment Committee, which oversees it, can award up to 25 grants in a calendar year.

Financing Business Growth
Contact the NC Department of Commerce Finance Center for further information:
In North Carolina you will find a robust business climate driven by a partnership between private industry and government, working to make North Carolina a better place to be. With one of the largest economic development networks in the nation, North Carolina is truly dedicated to giving businesses all the assistance and resources needed to meet their unique business requirements.

Who We Are
North Carolina Department of Commerce Business and Industry Division

The Business and Industry Division (B&I) leads North Carolina’s business and industrial recruitment efforts. The Division’s industrial developers work closely with other public and private development organizations to attract new industries to the state. Our job is singularly focused - your business is our business. We offer comprehensive facility location services for your company from initial contact through site location to future growth and expansion. In essence, we provide “one-stop shopping” for your relocation and expansion needs. We also serve existing businesses by serving their needs and advancing business growth in the state. For assistance closer to home, please contact our regional offices and those of our partners in the regional partnerships:

Charlotte
rleitch@nccommerce.com
Uconda Duggins, Existing Industry Specialist
uduggins@nccommerce.com
8430 University Executive Park Drive, Suite 645
Charlotte, N.C. 28262
(704) 547-5750
FAX (704) 547-5747

1001 Morehead Square Drive
Suite 200
Charlotte, NC 28203

Regional Partnerships

For business services please contact:
Tiffany H. McNeill
Phone: 919.733.4977
www.nccommerce.com/en/businessservices
Email: tmcneill@nccommerce.com
www.ncedis.com
The North Carolina Department of Commerce

Commerce
Research Triangle
(919) 840-9876
vpowell@nccommerce.com

RDU Office
1000 Trade Drive
P.O. Box 80756
RDU, N.C. 27623
(919) 840-9876
FAX (919) 840-9814

Research Triangle Office
Bernard Torain, Existing Industry Specialist
(919) 715-9783
btorain@nccommerce.com

MSC 4310
Raleigh, N.C. 27699-4310

Southeastern
kallen@nccommerce.com

Martie Butler, Existing Industry Specialist
mbutler@nccommerce.com

225 Green Street
Systel Building, Suite 802
Fayetteville, N.C. 28301
(910) 486-1549
FAX (910) 486-1826

Debbie Lilly
dlilly@researchtriangle.org
919-840-7372

RDU Office
1000 Trade Drive
PO Box 80756
RDU, NC 27623

Commercial Partnerships

For business services please contact:
Tiffany H. McNeill
Phone: 919.733.4977
www.nccommerce.com/en/businessservices
E-mail: tmcneill@nccommerce.com
www.ncedis.com

Western
cmesser@nccommerce.com

Bill Payne, Existing Industry Specialist
bpayne@nccommerce.com

Fletcher Office
134 Wright Brothers Way
Fletcher, N.C. 28732
(828) 654-9852
FAX (828) 654-9859

Bryson City Office
tcrisp@nccommerce.com

P.O. Box 1940
60 Almond School Road, Room 117
Bryson City, N.C. 28713
(828) 488-0300
FAX (828) 488 0240

Boone Office
jholbrook@nccommerce.com

206 Southgate Drive, Suite 21-E
Boone, N.C. 28607
(828) 262-1345
FAX (828) 262-1495

Steve Yost
Stevey@ncse.org
910-862-8511

707 W. Broad
PO Box 2556
Elizabethtown, NC 28337

Steve Yost
Stevey@ncse.org
910-862-8511

707 W. Broad
PO Box 2556
Elizabethtown, NC 28337

The North Carolina Department of Commerce

Commerce
Western
cmesser@nccommerce.com

Bill Payne, Existing Industry Specialist
bpayne@nccommerce.com

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134 Wright Brothers Way
Fletcher, N.C. 28732
(828) 654-9852
FAX (828) 654-9859

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FAX (828) 488 0240

Boone Office
jholbrook@nccommerce.com

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Boone, N.C. 28607
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FAX (828) 262-1495

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Stevey@ncse.org
910-862-8511

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PO Box 2556
Elizabethtown, NC 28337

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PO Box 2556
Elizabethtown, NC 28337

For business services please contact:
Tiffany H. McNeill
Phone: 919.733.4977
www.nccommerce.com/en/businessservices
E-mail: tmcneill@nccommerce.com
www.ncedis.com

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www.nccommerce.com/en/businessservices
E-mail: tmcneill@nccommerce.com
www.ncedis.com
International Business

The North Carolina Department of Commerce’s Economic Developers work with companies and our partners across the State to attract and retain businesses in North Carolina. This includes recruiting foreign-owned firms through the use of our international offices. Our offices also assist with international trade services. These offices are available to assist in tapping into resources and programs that can help businesses grow through international sales. With offices in Canada, Mexico, Germany, China, Korea, and Japan the North Carolina Department of Commerce is prepared to help North Carolina businesses enter new markets or expand market share.

Canada Office
Russ Sawchuk (Trade Rep.)
TEL: 905-826-6000
FAX: 905-826-6009
E-Mail: ncco@on.aibn.com

Frankfurt Office
John D. Brennan (Investment Rep.)
jdbrennan@nc-europe.com
Guido Esselborn (Trade Rep.)
TEL: 49-69-271-3980
FAX: 49-69-271-39818
E-Mail: gesselborn@nc-europe.com

Japan Office
Leland Gaskins (Investment Rep.)
gasks@nc-asia.com
Sumio Shibata (Trade Rep.)
TEL: 81-3-3435 9301
FAX: 81-3-3435-9303
E-Mail: tradenc@nctokyo.com

Mexico Office
Laura Camberos (Trade Rep.)
TEL: 52-713-102-0034
FAX: 52-713-102-0034
E-Mail: camberosla@yahoo.com

Hong Kong Office
William Chu (Trade Rep.)
TEL: 852-2-865-0555
FAX: 852-2-527-0819
E-Mail: wichu@netvigator.com

Korea Office
Sung-Hoon Bae (Trade Rep.)
Tel: 82-2-6000-2250
Fax: 82-2-6000-2255
E-Mail: shbae@ncstate.or.kr

International Trade Services to grow your North Carolina business:
- Reviews products and makes company-specific assessment for marketability.
- Recommends market entry strategy solutions by identifying distribution channels and partners in foreign markets.
- Analyzes pricing information and performs competitive analysis.
- Provides in-country assistance/visits with companies on a selective basis.
- Makes recommendations for fine-tuning of marketing/promotional documents.
- Researches, analyzes and develops reports on foreign companies and markets.
- Experienced and Multilingual Staff located in three domestic and six foreign office locations.
- Participates and assists companies at Trade Shows and other Events throughout the year.
- Provides advice to N.C. companies on Export Financing.
- Supports the Advocacy Program.
- Provides Education and Training to companies.
- Services are free or at cost.

Counseling and Referral
Through discussion and one-on-one contact, your Business Development Manager can help you with your business needs and can put you in touch with resources to address them. In addition to applying expertise to your unique business circumstances, we are able to match you with appropriate sources for international trade support services within other organizations, both public and private.

Dallas Hardenbrook
International Textile Economic Developer
E-mail: dhardenbrook@nccommerce.com
Phone: 919.733.4881

Glenn Jackman
International Business Development Manager
Textiles, apparel, hosiery, textile machines
E-mail: gjackman@nccommerce.com
Phone: 919.733.2829
The North Carolina Department of Commerce

International Business

Trade Events and Trade Shows
The Department of Commerce will participate in the following textile, apparel, hosiery, and machinery shows.

| Men’s Apparel Group in California International | Apparel | February and August | Las Vegas, NV |
| Exintex | Textile Machinery | March | Puebla, Mexico |
| Showtime | Textiles | June and December | High Point, NC |
| ShanghaiTex | Textile Machinery | June | Shanghai, China |
| Heimtextil | Home Furnishings | January | Frankfurt, Germany |
| Decosit | Upholstery Fabrics | September | Brussels, Belgium |
| ANEX | Nonwovens | June | Tokyo, Japan |
| Interstoff Asia | Fabrics | March | Hong Kong |
| Saigon Textile Expo | Apparel and Textiles | April | Saigon, Vietnam |
| CITME | Textile Machinery | October | Beijing, China |
| MegaTex | Textiles | November | Atlanta, Ga |
| TexMac | Textiles | January | New Delhi, India |
| TechTextil | Textiles | June | Frankfurt, Germany |

Contact us to find out how to be a part of the North Carolina booth at these shows!
Glenn Jackman
E-mail: gjackman@nccommerce.com
Phone: 919.733.2829

For international trade assistance please contact:
Glenn Jackman
Phone: 919.733.2829
E-mail: gjackman@nccommerce.com
www.nccommerce.com/en/businessservices/internationalbusiness

The North Carolina Department of Commerce

International Business

Distributor and Agency Searches
We are available for the following free services:
- Review of products and company-specific assessment for marketability.
- Market entry strategy recommendations.
- Perform contact searches.
- Analyze pricing information and competitive analysis.
- Provide in-country assistance/visits with companies.
- Make recommendations for fine-tuning of marketing/promotional documents.
- Complete basic information reports on foreign companies.

Road Show:
Commerce’s Road Show program each April is designed to reach executives and owners of North Carolina-based businesses considering entry into the export market, expansion of their global presence and achievement of their international business objectives. North Carolina’s Foreign Trade Representatives are on hand to work individually with interested companies. There will also be a series of “Lunch and Learn” sessions, in order to increase public awareness of the International Trade Division’s offerings and the different export markets in which it operates. Over 250 companies statewide have participated in the program each year.

Each year the International Trade Division brings its export ready services to cities across the state. Business executives have the opportunity to meet with our trade consultants from North Carolina and our six foreign offices. In recent years there were over 130 one-on-one client meetings in Charlotte, Raleigh, and Winston Salem each year. In addition, representatives from the Department of Agriculture, World Trade Center, US Export Assistance Center, State Ports Authority, SBTDC, and the seven Regional Economic Development Partnerships are available to assist you with your exporting needs.
The United States Department of Commerce

Export services available through the U.S. export assistance centers in Raleigh, Greensboro, and Charlotte

Counseling and Advocacy
Our trade specialists in Raleigh, Greensboro, and Charlotte work directly with our team of experts overseas to provide in-depth export consulting and customized business solutions. U.S. Commercial Service professionals also help your company when unanticipated problems arise-- resolve payment issues, settle disputes, win contracts, and overcome regulatory hurdles. Price: Free

Market Research
Market Research Library – Found at www.export.gov
Accurate, up-to-date information lets you target the best international markets. Our comprehensive market research includes overviews on doing business in more than 120 countries and profiles of 110 industry sectors. You can also get updates on new regulations, currency fluctuations, business trends, and government-financed projects. Price: Free

Customized Market Research
Receive specific intelligence on the export prospects for your product or service in a potential market. Price: Varies per the level of detailed information you need.

Finding International Partners
Find qualified international buyers, partners, or agents without traveling overseas. U.S. Commercial Service specialists will deliver detailed company information on up to five prescreened international companies that have expressed an interest in your company’s products and services. Price $600*

The North Carolina Department of Commerce

International Business

Export Ready Program:

Export Ready Program Information Assistance
• Qualifying your company
• Basic market research
• Legal considerations
• Insurance and taxes
• Trade shows
• Harmonized System Codes
• Payment and financing
• Freight Forwarders
• Languages and cultures
• Product development
• Market entry strategies
• Pricing and quotations
• Distribution networks
• Advertising and promotions
• Letters of Credit (L/C)
• Shipping
• Pro Forma Invoices

To get companies ready to export, the Division offers several services. ITD carefully selects trade shows and exhibition missions throughout the world and assists North Carolina businesses in exhibiting products or identifying partners.

For Export Ready Program assistance, please contact:
Glenn Jackman
Phone: 919.733.2829
Email: gjackman@nccommerce.com
www.nccommerce.com/en/businessservices/internationalbusiness

*Prices are subject to change.
Call your nearest Export Assistance Center for more information:
John Schmonsees, Greensboro - 336.333.5345,
Shireef Loza, Raleigh - 919.281.2750,
and George Thomas, Charlotte - 704.333.4886
The NC Small Business & Technology Development Center (SBTDC) is a business and technology extension service of The University of North Carolina administered by NC State University. It operates in partnership and with funding support from the U.S. Small Business Administration, the Defense Logistics Agency, the U.S. Export-Import Bank and the North Carolina Department of Commerce.

The SBTDC provides management counseling and educational services to small and mid-sized businesses. We help established firms, high-growth companies, and start-up businesses meet today’s challenges, manage change, and plan for the future. Our services are well defined and are designed to meet our client’s needs. We have over 60 management counselors in 17 offices across NC – each affiliated with a college or university.

Management Counseling
Our primary focus is management counseling. SBTDC counselors work with clients to develop a thorough understanding of their needs, then provide high-quality management counseling across a broad range of business-related issues. The SBTDC also collaborates with bankers, attorneys, accountants, university faculty and students, and a host of public and private business assistance organizations to ensure that clients’ needs are addressed.

Management Education Services
The SBTDC has carefully researched and developed educational products to fit the increasingly complex needs of today’s small to mid-sized companies. Among these are:

- **Strategic Needs Assessment** – designed to help owners and managers identify priorities and action strategies to evaluate their company in such areas as management vision, finance, marketing, human resources, operations, and information technology.
- **Management Performance Series** – tailored to a company’s priorities in such areas as team building, attracting and retaining key people, sales performance, customer service, and career development.
- **Leadership Performance** – designed to help participants enhance their ability to lead through inevitable periods of change and learn what it takes to be a leader of the future.

Gold Key Service
Save time and money by letting the U.S. Commercial Service help you find a buyer, partner, agent or distributor. The Gold Key Service provides you with one-on-one appointments with pre-screened potential agents, distributors, sales representatives, association and government contacts, licensing or joint venture partners, and other strategic business partners in your targeted export market. Price: $300 to $1,400 depending on Country

Commercial News USA
Promote your products and services to more than 400,000 international buyers in 145 countries. Commercial News USA is a product catalog distributed by U.S. embassies and consulates worldwide, and has a proven track record of high response rates and solid sales results. Price: $695 to $1595 Depending on type of advertisement

International Company Profile
Prevent costly mistakes with quick, low-cost credit checks or due-diligence reports on international companies. Before you do business with a prospective agent, distributor, or partner, the International Company Profile will give you the background information you need to evaluate the company. Price: $500

*Prices are subject to change.
Call your nearest Export Assistance Center for more information:
John Schmonsees, Greensboro - 336.333.5345, Shireef Loza, Raleigh - 919.281.2750, and George Thomas, Charlotte - 704.333.4886

www.sbtdc.org
E-mail: info@sbtdc.org
Phone: 800.258.0862
Limited research services are free to clients. Extensive projects, such as industry analyses or in-depth opportunity analyses, are provided at cost.

Carol McLaurin
www.sbtdc.org
E-mail: cmclaurin@sbtdc.org
Phone: 919.715.7373 ext. 616

Government Procurement
The SBTDC’s Procurement Technical Assistance Center (PTAC) assists businesses in their efforts to secure a share of government contracts by providing comprehensive assistance in selling products and services to the federal, state, and local governments. PTAC counselors can provide assistance in such areas as:
- Researching contract award histories
- Understanding solicitation requirements and terminology
- Locating specifications and standards.

PTAC also conducts seminars and workshops on such topics as
- How to do business with the government
- How to prepare bids and proposals

Businesses can find out about bidding opportunities by subscribing to PROBID, our electronic bid matching system. This service electronically searches the government databases and matches a company’s products and services to Federal and State needs.

Export Financing Services
The Export Financing Services (EFS) team provides service to small and mid-sized companies needing assistance with export financing, either pre-export (export working capital) or post-export financing (getting paid for a shipment and/or helping the overseas buyer find financing to purchase a product). EFS core services include confidential, one-on-one management counseling, in-depth financial analysis, Coface world wide credit reporting services, loan guarantee products, Ex-Im Bank (short-term credit insurance & medium-term loan guarantee products), and resource management. In addition to Export-Import Bank (EIB), the EFS team works directly with staff from the US Department of Commerce’s Export Assistance Centers and the NC Department of Commerce International Trade Division.

Business and Research Services
Our staff performs a wide range of applied research for clients, counselors and the organization as a whole.
- Client research involves investigations of industry trends, supplier information, competition, and international market analysis.
- Industry studies provide industry-specific research for North Carolina including technical textiles, retail, restaurant, aircraft repair, and software.

North Carolina State University’s Industrial Extension Service brings engineering expertise to the State’s factory floors, offices and hospitals to make North Carolina businesses more productive and profitable.

To do this IES uses lean manufacturing, quality initiatives such as Six Sigma and ISO, energy conservation audits, and programs in health, safety and environmental compliance. IES serves as the state agency for both the North Carolina Award for Excellence, which is based on the Malcolm Baldrige criteria, and the N.C. Shingo Prize, which recognizes success in lean manufacturing.

Since 2006, IES has returned at least $334 million in direct annual gain to the State, either in jobs saved or profits made, as reported by the clients surveyed by an impartial third-party organization. More than 50 years after its founding, the IES mission remains the same: to place first and foremost the economic health and success of North Carolina businesses. IES was created in 1955 by act of the North Carolina General Assembly and placed within the College of Engineering at N.C. State University. IES is the oldest service of its kind in the nation.

An IES extension specialist is located within 150 miles of most the State’s businesses through regional offices located in Raleigh on Centennial Campus of N.C. State University, and in Greenville, Williamston, Kinston, Rocky Mount, Smithfield, Fayetteville, Greensboro, Charlotte, Salisbury, Hickory, Dobson, Asheville, Wilkesboro, and Waynesville. A map on www.ies.ncsu can help you find which IES extension specialist serves your area.

Technology Incubator
IES manages the NCSU Technology Incubator on Centennial Campus, where industries of the new knowledge-based economy are nurtured until they graduate into self-sufficient companies.
**Applied Research**

The College of Textiles (COT) at North Carolina State University is housed in a new $45 Million, 300,000 square foot research and teaching facility on the 1,000 acre Centennial Campus. The building contains a state-of-the-art Model Manufacturing Facility (MMF), consisting of individual laboratories that are capable of all manufacturing operations from spinning fibers to producing the end product. The MMF is the heart of the Applied Research Program for the College of Textiles as well as being an integral part of the education and basic research programs. The Applied Research Program bridges the gap between the traditional education, research and extension activities of the university and the Fiber-Textile-Apparel industrial complex.

**Journal of Textile & Apparel, Technology & Management**

The goal of The Journal of Textile and Apparel Technology and Management (JTATM) is to present the latest in theoretical and empirical research in the field of textiles and apparel, technology and management to a global audience comprised of academicians, industry executives, and consultants. The Journal (JTATM) offers new information for industry personnel, academics and students who are interested in the technology and management of fiber based products, as well as the environment and markets in which textile and apparel companies operate and evolve.

Each issue of the quarterly JTATM contains research articles, as well as information about new innovations and useful linkages. JTATM is coordinated by the Department of Textile and Apparel, Technology and Management, College of Textiles, North Carolina State University. We invite you to visit and register for JTATM and submit articles for consideration in future issues.
Textiles off Campus (TOP)

Distance Education - Textiles Shaping Your Future
With Textiles Off-Campus Programs (TOP), basic and advanced courses are within your reach from the finest textile college in the world. Undergraduate and graduate classes can be taken for credits or audited by a variety of mediums including CD’s, DVD, & online. The wide variety of delivery methods allows the student flexibility of viewing courses in the office, on the production floor, at home or on the road. The goal of our program is to create classes that are attractive to a rapidly changing industry and to audiences outside of “traditional textiles.”

Non-traditional students with a BS Degree can continue their education through the TOP Master of Science and Master of Textiles degree programs. Certificates are also available in the following areas:

Textile Certificate
A textile certificate is available to students (off campus students only) with a BS degree. Certificates are available in: advanced textile chemistry, apparel production, dyeing and finishing, fabric manufacturing, textile administration, textile fibers and polymers, textile fundamentals and yarn manufacturing.

Graduate Certificate in Nonwovens Science and Technology (GCNST)
This certificate provides recognized academic credentials in nonwoven science and technology. It is available to students currently enrolled in a Graduate Degree program at NC State as well as non-degree seeking Graduate level students. Applicants must be a Graduate of an accredited four-year college or university.

For more information please contact:
Carolyn Krystoff
Phone: 919.515.6622
E-mail: carolyn_krystoff@ncsu.edu
www.tx.ncsu.edu/academic/distance

Textiles Extension Education For Economic Development

“We are excited about our vision to be the premier model of extension education and engagement for North Carolina economic expansion. We plan to realize the vision through partnerships with businesses, industry associations, faculty, NC State Colleges, and with alumni. We will continue to expand our methods, our courses, and our partners to positively impact the economic development of North Carolina and beyond.”

Professional Education
The Professional Education Program consists of a series of seminars, conferences and executive education dealing with all aspects of manufacturing, products, operations, and processes used by the textile and allied industries. Theses courses and seminars are 2 to 5 days in duration and deal with a variety of topics including Six Sigma, Protective Clothing, and Research. Also, courses are available that cover all textile processing from fiber to a fabricated products. Industry attendees consist of domestic and international personnel from CEO’s to supervisory level individuals. Partnerships with the American Association of Textile Chemists and Colorists, The Textile Clothing/Technology Corporation, the Industrial Extension Service of NC State University College of Engineering and the NC State University College of Management enhance the educational opportunities for the clients of the Professional Education Program.

Dr. Timothy G. Clapp
Director of Textiles Extension Education for Economic Development
Phone: 919.515.6566
E-mail: timothy_clapp@ncsu.edu
3251 College of Textiles Box 8301
Raleigh, NC 27695-8301
www.texed.ncsu.edu
**Textiles Extension Education For Economic Development**

**In Plant Education**

NC State University’s College of Textiles will develop an extension program to help your company compete in the next century - with a program to meet your unique textile educational needs. An in-plant program will educate your managers and associates in textile technologies critical to your company’s success, as well as provide employees the opportunity to learn why each job or process is important in the manufacturing chain. Improve the quality and production of your products by increasing the knowledge-base of your associates and preparing them to make better on-the-job decisions.

The Textiles Extension group is dedicated to forming a partnership with your plant or company for the purpose of developing a meaningful and effective educational experience.

We follow these steps in planning your program:
1. Schedule initial visit to your plant
2. Discuss education needs with your key plant personnel
3. Select program topics and pertinent subject matter
4. Set up a tour of your facilities
5. Deliver your program proposal for approval

**Six Sigma Training**

Six Sigma is a business philosophy focusing on continuous improvement, based on a statistical measure of variability. In a service or manufacturing environment, a Six Sigma process would be virtually defect free. In a million operations of a process, Six Sigma allows only 3.4 defects. Most companies operate at four sigma which allows 6,000 defects per million operations of a process.

The College of Textiles and the Industrial Extension Service courses provide professionals in a manufacturing or service environment with the tools they need to implement Six Sigma in their organization. Courses include Green Belt, Black Belt, Champion, and Master Black Belt training. In addition these courses are also offered on site through our In-Plant Program. Please visit our website for our complete course offerings and more information about all of the programs.

www.tx.ncsu.edu/sixisgma

**For more information please contact:**
Marissa Langford, Associate Director
Extension Education, Quality Programs
Phone: 919-513-2132
Email: marissa_langford@ncsu.edu

Alisa Hunt-Lowery
Program Manager Six Sigma
Phone: 919-515-6534
Email: ahlowery@ncsu.edu

Debbie Mostek, Program Manager,
In-Plant, NCSU College of Textiles
Phone: 919.513.7401
E-mail: debbie_mostek@ncsu.edu
The Textile Protection and Comfort Center (T-PACC)

Protective clothing, for military and first responder personnel, has unique and often contradictory properties. Essential requirements for protection against various environmental threats results in a protective garment which itself contributes to the thermal discomfort or heat stress of the wearer. T-PACC is the only academic center in the U.S. equipped for research, testing, and evaluation of the comfort and protective performance of clothing materials, garments and full ensemble systems.

T-PACC, a world leader in laboratory based instrumented systems, incorporates a comprehensive infrastructure of equipment and personnel to address the need for integrated explorations into all aspects of protection and comfort - from fabric swatch to full clothing ensemble systems. Recognized as scientists and engineers in the fields of clothing comfort and protection, T-PACC personnel have a proven performance record in fundamental research, method and instrument development, and service testing for both industry and government clients.

T-PACC routinely conducts research and comparative testing using procedures found in various standard test methods. Additionally, non-standard test protocols are utilized with appropriate procedures and instrumentation while new methods are developed to address specific end use or wear scenarios. Devoted to analysis of thermal protection, chemical resistance, and comfort performance, T-PACC facilities include:

- Thermal Protection Laboratory: Analyze materials and ensemble systems exposed to convective, radiant, full scale fire exposures, and/or combinations of these thermal hazards. Instrumentation features PyroMan - a fully instrumented, life-sized manikin used to study garment and body reaction to intense heat and flames; PyroHands, PyroHead, the Thermal Protective Performance (TPP), Radiant Protective Performance (RPP), vertical flame, and thermal shrinkage tests.

- Chemical Protection Laboratory: highlights a state-of-the-art Man-In-Simulant Test (MIST) facility and instrumentation for analysis of material and ensemble penetration and permeation resistance of potentially toxic chemical liquids and gases.

- Comfort Laboratory: studies complex interactions between fabric, climate, physiological, and psychological variables that define performance and end user acceptance. Unique discoveries are made using Kawabata fabric hand instrumentation, guarded hot plates, sweating articulated manikins housed in walk-in environmental chambers, and human response protocols.

For more information please contact:
Dr. Roger Barker, Director
The Textile Protection and Comfort Center
Telephone: 919.515.6577
Fax: 919.515.2294
E-mail: roger_barker@ncsu.edu
www.tx.t_pacc@ncsu.edu

The Nonwovens Institute and Nonwovens Cooperative Research Center (NCRC)

The Nonwovens Institute at NC State University is the world’s first and only accredited program for the interdisciplinary study of engineered fabric. The mission is to develop, educate, and train the next generation of professionals. The institute will serve as a central resource and support center for education, research, engagement and economic development for the nonwovens industry in the United States. The Nonwovens Institute combines the expertise of NC State University’s leading colleges of Textiles, Engineering, and Natural Resources. The Nonwovens Institute’s research center, Nonwovens Cooperative Research Center (NCRC), was established in 1991 as a partnership between the State, the university and industry through a National Science Foundation grant. NCRC serves as the research arm of the institute with a goal of enhancing and developing nonwoven products. The Center carries out an active program of technology transfer supported by funds from the State of North Carolina and its industrial members. This program seeks to disseminate technology developed by the Center along with existing knowledge of the management of materials and processes. Such programs are provided in the form of:

- Company specific training and assistance
- Various courses taught at plant sites
- Eight short courses
- Industrial internships
- Focused seminars, symposia, and conferences
- One-on-one consulting

NCRC provides analytical and product development services using its onsite laboratories dedicated to fiber, fabric, and polymer characterization, spunbond and melt blown pilot lines with bicomponent fiber capability, carding, cross-lapping, needle punching, hydroentangling, thermal bonding, and spun bond/melt blown/carded web composite capability. Analytical facilities offer the ability to analyze and evaluate materials performance according to many industry specific standard test methods.

Dr. Behnam Pourdeyhimi
NCRC Director and Associate Dean for Industry Research and Extension
Phone: 919.515.6551
E-mail: Nonwovens@ncsu.edu
E-mail: bpourdey@ncsu.edu
Emphasis on nurturing industry-university partnerships has enabled these activities which are overseen by an Industrial Advisory Board (IAB) composed of all member companies. Research programs are organized into core research and non-core research.

Core research programs are developed jointly by the Center faculty/staff and the NCRC member companies. Core research programs focus on areas such as:

- Materials science and engineering
- Process development and modeling
- Performance prediction and modeling

Core programs are supported by funds from the State of North Carolina and membership fees from NCRC member companies. The results of the research are proprietary to member companies of the Center. This information is placed in the public domain, through presentations and publications, poster presentations, software, and patent disclosures, only after the approval of the Industrial Advisory Board of NCRC.

Non-core research programs focus on one or more of the above objectives but are carried out for an individual company. Single company sponsored programs can be proprietary and are made public only if the sponsoring company agrees. Non-core projects of special interest can also be developed for a group of NCRC member or affiliate companies. The results of such research are made public only if all sponsoring companies agree.

The Institute of Textile Technology (Institute) has since 1944 provided education and research to address the needs of the textile industry as directed by its member organizations. The Institute’s purpose as originally determined by its founders states, “The Institute of Textile Technology shall establish and maintain an educational institution at the graduate level for the instruction of students and for research in literary and scientific branches of learning. The Institute shall specialize in those branches of scientific instruction and research that apply to the materials, processes, and technologies for the manufacture of textiles, their distribution, and use.”

The overall strategic goal for the Institute is to integrate applied research, education and consulting services into the strategic goals of member companies. The integration of these capabilities is vital for the development of innovative technologies and optimization of manufacturing processes without which U.S. companies will likely succumb to foreign competition. To accomplish this goal, the Institute will collaboratively interact with the U.S. textile industry to identify industry wide and company specific needs, articulate these needs in the form of research proposals, contract for research and educational services with the CoT, provide contract management, disseminate results, and assist in the distribution and management of intellectual properties.

The Institute strives to support the textile industry by providing trained leaders, by pooling resources for collaborative as well as proprietary research, and by targeting cost drivers that affect profitability. Implicit in the proposed research efforts between the Institute and NCSU is the ability to commercialize research findings through the TAC forum. Due to the integrated manner in which Institute research is developed, funded, and communicated with industry members, results can be immediately implemented. For projects involving intellectual properties, Institute membership represents an ideal base for demonstrating value and identifying beneficiaries.
IT3, Inc.
(A subsidiary of the Institute of Textile Technology)

IT3, Inc. provides international technical services to the textile, paper, metal, food processing, and other industries for the purpose of improving global competitiveness. The objectives of our services are to:

• Reduce cost of manufacturing
• Identify areas of lost profits
• Improve manufacturing efficiency
• Improve product quality
• Promote sustainable manufacturing and environmental quality

IT3, Inc. offers comprehensive services to the textile industry for the purpose of improving global competitiveness.

ISO Registration – IT3 is certified by the ANSI-ASQ National Accreditation Board (ANAB) to provide ISO registration and compliance audits for both ISO 9000 (Quality) and ISO 14000 (Environmental) standards.

Profitability - IT3 Six Sigma services are designed to properly apply the tools to help improve profits and develop solutions for all types of manufacturing process issues.

Energy - IT3’s energy services are designed to identify and assist in reducing costs by identifying opportunities for conserving energy through procedural and process changes that require little or no capital expenditures.

Textile Manufacturing - IT3 provides technical analysis, customized training, and audits in all phases of textile manufacturing, including Dyeing and Finishing, Spinning, Weaving, and Knitting.

IT3, Inc. provides comprehensive services to industry for both waste minimization and wastewater treatment. The primary goal is to reduce costs by finding ways in which the discharge of pollutants can be minimized through procedural, chemical, and process changes. IT3 also provides engineering design services for water and wastewater treatment systems to eliminate or minimize the impact of discharges on the environment.

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Environmental Quality and Sustainability - IT3 provides comprehensive services to industry for both waste minimization and wastewater treatment. The primary goal is to reduce costs by finding ways in which the discharge of pollutants can be minimized through procedural, chemical, and process changes. IT3 also provides engineering design services for water and wastewater treatment systems to eliminate or minimize the impact of discharges on the environment.

For more information please contact:
Henry A. Boyter, Ph.D.
Director of Research
2401 Research Drive
Raleigh, NC 27695-8301
Phone: 919.513.7585
E-mail: henryb@itt.edu
E-mail: henryb@it3-services.com
www.it3-services.com

UNC Kenan-Flagler Business School

Student Teams Achieving Results

Program Overview
Is your business facing rising competitive pressures? Are you seeking a strategy to improve growth and profits?

Business Consulting Free of Charge
Each year, our MBA students consult with and assist North Carolina businesses. We do this free of charge in return for the chance it gives our students to learn from experienced business leaders about real-world business challenges. The Leadership Initiative has made an impact on counties around the state.

Students’ Skills and Experience
Businesses whose projects are accepted for the program benefit from the help of students who are skilled at working with others and whose interests and expertise match the needs of each project.

• Many of our students come from business backgrounds.
• Our MBA students work an average of 5 years prior to entering the Program and they have great experience.
• Our students have met rigorous criteria in order to be admitted to one of the nation’s very best business schools.

Why We Offer NC Businesses This Help
Why do we offer you the help of experienced student teams?

• We believe students develop their leadership skills when they work side by side with North Carolina business leaders.
• The experience keeps them close to real-business issues.
• They get to apply what they are learning in the classroom to actual business situations with important consequences.

Part of UNC Kenan-Flagler’s Leadership Initiative
STAR projects are part of the business school’s Leadership Initiative.

• The Initiative is an integrated, experience-based program.
• It assesses and develops students’ leadership skills to better prepare them for business careers.

How to Apply
We accept applications from August to early October for projects that will begin in October and result in plans for implementation in April. Applications may be completed online at:
http://www.kenan-flagler.unc.edu/leadership/companies/StarApply.cfm
Global Business Project

Program Overview
The Global Business Project (GBP) is a graduate-level course designed and developed by a consortium of Centers for International Business Education and Research (CIBERs). The primary goal of these centers, funded through matching grants issued by the US Department of Education’s international studies division is to improve American competitiveness through comprehensive service and programs in educational and corporate settings. The CIBER representatives who came together to create the GBP wanted to provide a way for their MBAs and graduate students in related disciplines to increase their global business and language competency through guided hands-on business experience in global markets. The resulting course capitalizes upon the individual strengths and international ties of the participating CIBER institutions, with each CIBER responsible for leading teams to a country or region that matches its school’s particular expertise.

Countries/Languages for 2008
In its inaugural year 2007-08, the destination countries for the Global Business Projects for students at all of the schools participating in GBP are Brazil, China, and Japan, led by the CIBERs at University of Kansas, UNC-Chapel Hill, and Temple University, respectively. In each of the next three years, three more CIBERs among those participating in the consortium will lead projects to additional countries, expanding students’ options and their competencies in other regions and languages, such as Russia, Eastern Europe, other parts of Asia, and the Arabic-speaking world.

UNCG Department of Consumer, Apparel, & Retail Studies

The Department of Consumer, Apparel, and Retail Studies offers students both an education and the foundation from which to launch a global career in areas such as apparel design and production, sourcing, retailing, marketing, and distribution. Students study, work as interns and interact with major corporations as part of the educational experience. Short-term domestic study trips, the opportunity to study abroad and the infusion of global competencies throughout the curriculum prepare students to compete in the global work environment. CARS is a student-centered department committed to preparing professionals for success in the apparel and retailing industries.

Undergraduate
Bachelor of Science in Consumer, Apparel, and Retail Studies with two concentrations:
• Apparel Product Design – prepares students for careers in apparel design and production.
• Retailing and Consumer Studies – prepares students for careers in apparel marketing, distribution, and retailing.

Graduate
Master of Science
• 30 hour thesis and
• 36-39 hour non-thesis tracks
Doctor of Philosophy
• 60 hours
Comprised of 58 colleges across the state, the North Carolina Community College System is the third largest community college system in the country. This widespread accessibility is just one crucial asset benefiting companies, regardless of their location in the state. Through the Economic and Workforce Development Division, these community colleges are prepared to meet the training needs of the textile industry in North Carolina. A well-trained workforce is critical to both the recruitment and the retention of industry in the state. Whether the industry is considering North Carolina for relocation or is an existing industry in the State, they need to look no further than the North Carolina Community College System for assistance with their training needs.

As the textile industry moves toward automation and niche markets, our community colleges offer support in specialized technical training as well as an in-depth focus on Continuous Process Improvement training. Incorporating Lean principles and Six Sigma is a primary focus within all of our training customized to meet the specific needs of the textile industry. Most programs are free to qualified companies through state and federal funding.

Customized Industry Training Program
North Carolina recognizes that it must be competitive to sustain our existing industries. Established in 2005, the Customized Industry Training (CIT) Program offers training options with the goals of assisting industry to remain productive, profitable, and within the State. Qualifications for support through the CIT Program include (1) the business is making an appreciable capital investment; (2) the business is deploying new technology; and (3) the skills of the workers will be enhanced by the assistance. Projects are submitted on a case-by-case basis through a partnership between the local community college and the local industry.

Focused Industrial Training Program (FIT)
As the state’s traditional industries update operations to take advantage of rapidly evolving technology, they can turn to their local community college for assistance in training workers in the skills that these new technologies demand. Since 1981, the Focused Industrial Training (FIT) Program has the state’s existing industries. FIT Centers are staffed with a director who works closely with industry to assess training needs and develop training programs. The director can conduct and analyze surveys within companies, develops and can administer pre- and post-training assessments to evaluate skills, determines skill and knowledge content of jobs and organizes that content into a learning sequence. All of this is accomplished through effective and ongoing partnerships with local companies.

New and Expanding Industry Training Program
North Carolina pioneered free, customized job training for new and expanding businesses in 1958 and continues to provide the nation’s most recognized customized job training service. The New and Expanding Industry Training (NEIT) Program has helped build success for companies that now call North Carolina home, and contributed to the multiple rankings that list North Carolina’s business climate as one of the best in the nation.

The NEIT Program is made available to companies that create 12 or more new full-time jobs within a one-year period, over and above the company’s previous three-year employment. Typically, the services provided are based on the number of new jobs created, their skill and wage levels, and the level of total capital investment. Training services provided to these companies may include instructors and training program development, customized video training programs, temporary training facilities, equipment, and instructional supplies required to support effective training solutions.

Other NCCCS Workforce Initiatives
North Carolina’s incumbent workforce has a long history of benefits from the partnership between the versatile and budget-wise practicality of the community college system and the Workforce Investment Act (WIA). Many other entities provide funding and other support for job training and retraining and the NCCCS is constantly tapping into possible funding sources and partners to enhance the capabilities of incumbent workforce. Please refer to the NCCCS website for further information:
The objective of the Small Business Center Network (SBCN) is to increase the success rate and number of viable small businesses in North Carolina by providing high quality, readily accessible assistance to prospective and existing small business owners and their employees. Each Small Business Center (SBC) is a community based provider of education and training, counseling, information and referral.

What is the SBCN?
The SBCN, comprised of 58 Small Business Centers throughout North Carolina, supports the development of new businesses and the growth of existing businesses by being a community based provider of training, counseling, and resource information. A Small Business Center is located at each community college.

How SBCN can help?
Core services include business seminars and workshops; free confidential business counseling, and access to vital resources and information. We can put you in touch with business and community leaders, as well as local, state, and federal agencies who share the goal of making your business a success. SBC’s work with the NC Military Business Center to help businesses secure military and other government contracts.

What is the cost of SBCN Services?
Confidential counseling services and access to resource libraries are free of charge. Some seminars and workshops require a minimal registration fee.

Business Counseling
Small Business Centers provide free, confidential counseling services for new and existing businesses. Available on an as-needed basis, this free, confidential service acts as a sounding board for ideas and concerns you may have about your business. Our professional staff will help you find solutions to your challenging business questions. No question is too simple or complicated.

Business Seminars and Workshops
Small Business Centers offer a wide variety of workshops and courses to help small businesses be successful. Specific training can be designed for individual business needs. Examples of programs targeting startup business include business plan development, financing, and marketing. Topics aimed at growth sector businesses include government procurement, employee relations, and regulatory compliance. Specialized topics cover everything from e-commerce and web page design to import/export.

SBCN Resource Centers
Each Small Business Center has a library of professional resources waiting to be tapped. Printed materials including books, pamphlets, magazines, trade journals, as well as a wide variety of tapes, CDs, and videos are available for your use. Some Centers offer business-related software, teleconferencing and access to the internet.
The Hosiery Technology Center (HTC) was established in 1990 and was developed to provide training for the hosiery industry workers. It was started at the request of the hosiery industry to Catawba Valley Community College. Once established, however, the HTC soon found that there were other needs to be addressed. The HTC has become a national resource for testing, prototyping of new products, research and development, sourcing of product from US manufacturers, e-commerce, training of retail and manufacturers, exporting of hosiery products and government procurement help.

The HTC has a Dyeing and Finishing Laboratory and an Environment Laboratory. The Dyeing and Finishing Laboratory assists the industry in pursuing more environment-friendly procedures for dyeing and bleaching, and the Environment Laboratory assists the industry in the management of wastewater. Both laboratories are also used for testing and prototyping hosiery products.

In September 2000 the HTC opened a Standards and Testing Laboratory. Today the Center boasts a full service-testing laboratory that manufacturers and retailers can turn to for reliable hosiery testing services. The HTC uses the standardized test methods developed by the Hosiery Testing Consortium, AATCC and ASTM Methods. Product fit, colorfastness, durability, antimicrobial testing, and graduated compression testing are just some of the variety of tests preformed. This done with a guaranteed 5 day turnaround time. The HTC performs product testing for major retailers and brands along with over 65 hosiery manufacturers in the US.

The HTC hosts a website www.legsource.com. This site has become indispensable to the industry. Today the website averages over 8,000 hits a day from 750 different users. For anyone interested in hosiery products, Legsource.com provides a central location to gather information. The manufacturers' section has a human resource board, news board, question and answer section, and an online version of the industry magazines, LEGWEAR TRENDS and links to HOSIERY NEWS. Suppliers can post their information in the free, fully searchable database. Government procurement pages have helped many manufacturers and suppliers obtain these orders. The HTC staff maintains the website and is available to build websites for hosiery manufacturers and suppliers. Over 50 websites have been created to date for hosiery manufacturers and suppliers.

The Hosiery Technology Center will assist companies with research and development projects. If a company has a product that they're interested in developing, the HTC will help them by using all the Center’s resources to prototype the product on hosiery equipment. After the product is prototyped, the Center will help find the appropriate manufacturer and retail outlet to get the product to market. The product doesn’t have to be hosiery; it just has to be something that can be run on hosiery equipment. Many yarn and fiber companies are using HTC services to get their new products to the market. The HTC stays on the cutting edge of new technical developments in the hosiery arena.

Customized training programs range from programming knitting machinery to the basic Hosiery 10/102 courses for retailers and new people to the industry.

The Hosiery Technology Center’s services are continually evolving to help the hosiery industry compete in today’s economy.
The Textile Technology Center at Gaston College

The Textile Technology Center at Gaston College is funded by the State of North Carolina to provide a broad range of services to the Textile Industry. The center is a resource for quick response, full service, new product development of fiber, yarn, and fabric. The Center also features state-of-the-art product testing and characterization facilities, including a scanning electron microscopy and photomicro spectrometric material analysis. In addition, the Textile Technology Center utilizes the considerable industry experience and technical background of its staff to deliver customized training for textile clients.

Textile Technology Center Services
Product Testing
• Fiber
• Yarn
• Fabric
Sample Production
• Carding
• Ring Spinning
• Open End Spinning
• Air jet Spinning
• Vortex Spinning
• Circular Knitting
• Flat Bed Knitting
• Sample Weaving
• Full Scale Weaving
Problem Solving
• Electron Scanning Microscopy
• Yarn Defect Analysis
• Fabric Defect Analysis
Training
• Customized Training
• Textile Fundamentals
• Yarn Formation
Lean Manufacturing
New Product Demonstration
• Hosiery
• Garment

For more information please contact:
John Anderson, Director
Textile Technology Center
Gaston College East Campus
7220 Wilkinson Blvd.
R.O. Box 1044
Belmont, NC 28012
Phone: 704.825.3737 ext. 254
Fax: 704.825.7303
www.textilecenter.gaston.edu

North Carolina Military Business Center

The North Carolina Military Business Center (NCMBC) is a business development entity of the North Carolina Community College System. The mission of the NCMBC is to leverage military and other federal business opportunities for economic development and quality of life in North Carolina.

The NCMBC’s primary goal is to help existing businesses identify, bid on and win military and other federal contracts. The Department of Defense spends over $270 billion in procurement each year, including $2.7 billion in North Carolina and over $3.4 billion on textile-related purchases nationwide. With five major military bases and the fourth highest number of military personnel in the country, North Carolina created the NCMBC to leverage more of this business for firms in the state.

The NCMBC connects North Carolina firms to government contracts two ways – with a team of business developers across the state, and electronically with www.MatchForce.org.

The NCMBC’s Business Development Team includes 10 experienced business development and procurement specialists across the state – including 10 community colleges – from Franklin in the west to Windsor in the east. These specialists identify the most lucrative contract opportunities, notify North Carolina firms of specific opportunities, and assist firms to understand government solicitations and to prepare winning proposals. Assisted firms won 361 contracts – worth between $591 million and $1.371 billion – from the NCMBC’s opening in 2005 through the end of 2007.

To connect North Carolina businesses with all possible opportunities, including local opportunities at bases in the state, the NCMBC administers the State’s official, FREE web portal for federal contracting – www.MatchForce.org. North Carolina businesses register on the portal, receive automatic matches to federal prime opportunities and to sub-contracting opportunities posted by other registered businesses, and post job opportunities for FREE that match job skills posted by registered individuals. Firms identifying contract opportunities through MatchForce then contact the NCMBC for one-on-one assistance.

In addition to business development, the NCMBC works to integrate transitioning

To learn more about NCMBC services or for business assistance, visit the NCMBC on-line at www.ncmbc.us, register on www.MatchForce.org, or call toll free 877.245.5520.
North Carolina Military Business Center

military personnel and family members into the state workforce, and to support economic developers in recruiting defense-related businesses to North Carolina. The NCMBC maintains a searchable, historical database of transitioning military personnel on www.ncmbc.us, to help economic developers quantify this potential workforce for businesses locating in North Carolina. The NCMBC’s strategic programs include a focus on winning a fair share of $5-7 billion in construction at bases in the state by 2011, developing and subcontracting opportunities with major prime contractors, and pre-positioning businesses for known future contracting opportunities.

To learn more about NCMBC services or for business assistance, visit the NCMBC on-line at www.ncmbc.us, register on www.MatchForce.org, or call toll free (877) 245-5520.

Cotton Incorporated is a not-for-profit company established by U.S. upland cotton growers to carry out a coordinated program of research and promotion to improve and expand markets for cotton and cotton products. The company is supported by U.S. cotton growers and the importers of cotton textile products. The company’s primary mission is to increase the demand and profitability of cotton. In addition to the World Headquarters in Cary, North Carolina, the company has six offices worldwide.

The Cotton Incorporated Research Center is also located in Cary, North Carolina. The laboratories are equipped with state-of-the-art instruments and textile processing equipment to conduct research and provide technical services to the cotton textile industry. The company is active in fabric development, dyeing and finishing developments, fiber quality improvement, fiber processing research, economic and consumer research, consumer marketing, and agricultural research.

Teresa Bouchonnet
Phone: 828.349.3878
E-mail: bouchonnett@ncmbc.us

COTTON INCORPORATED
6399 Weston Parkway
Cary, NC 27513
Phone: 919.678.2220
www.cottoninc.com
Textile/Clothing Technology Corporation

Textile/Clothing Technology Corporation, created as a not-for-profit industry coalition in 1981, has evolved into a significant resource for the soft goods industry. In addition to the extensive products, services, support, and information exchange provided, [TC]^2 is:

- Providing training in all aspects of sewn products manufacturing
- Driving new, collaborative supply chain strategies
- Leading the world in 3D body scanning technology
- Developing mass customization business models
- Demonstrating digital printing capability on multiple substrates for testing, sampling, and production
- Showcasing the latest in product development
- Capability for full package production
- Leading the industry’s effort to establish fit criteria for apparel
- Partnering with software vendors to integrate
- Strategic business processes
- Researching and disseminating information on the impact of WTO integration
- Searching the world for appropriate technologies
- To bring to the soft goods industry

Consulting Services
[TC]^2 is uniquely qualified to help manufacturers meet today’s challenges. Our consulting staff consists of professionals with concentrated industry experience at both the operational and strategic planning levels.

Education and Training
Thousands of professionals from all segments of the softgoods industry continue to benefit from [TC]^2 seminars, customized on-site training, and bilingual education tools.

Technology Development
[TC]^2 plays a pivotal role in helping the industry understand and capitalize on evolving trends. Our engineers and scientists have multi-industry experience in technology development and deployment. [TC]^2 assists companies who want to improve their current operations or are prepared to move to the next level in strategy and vision to improve their global competitive position.

Karen Davis
211 Gregson Drive
Cary, NC USA 27511
Voice: 919.380.2177
E-mail: kdavis@tc2.com
Fax: 919.380.2181
www.tc2.com

The Hosiery Association

For the past 103 years, The Hosiery Association (THA), through its voluntary membership, endeavors to foster a competitive advantage and economic well-being for approximately 200 hosiery and sock manufacturers, marketers, distributors and suppliers to the industry. THA supports its members worldwide and promotes the legwear business by serving as the central resource for industry information and education, providing a conduit for resolving industry issues and functioning as the voice of common industry concerns. The organization focuses on growing a united, global and diverse membership that is actively involved, positioning itself as the “go to place” for information and education specific to the industry, and maintaining the respect of members, government, retailers and consumers.

In addition to providing an experienced, full-time professional staff, THA's core competencies include:

- Federal and State Government Relations are proactive, consistent and professionally executed. There are numerous issues in addition to trade that the industry needs to be aware of and keep their legislators cognizant of the industry's position on them. Weekly updates are provided to the membership through its legislative/regulatory publication entitled, “Footnotes...Keeping a Leg Up in Washington.”

- Retail Relations are of growing importance as products, styles and materials transform in development and availability. THA consistently works with this community to offer information, supply sources, prototype options, on site presentations, etc.

- Partnership with the Hosiery Technology Center (HTC) to serve as the industry spokes entity for standards and testing procedures. HTC provides real value for THA members such as assisting with certification procedures and their interactions with outside testing entities such as Consumer Testing Labs (CTL), Merchandise Testing Labs (MTL) and others.

For further information, contact THA at 704.365.0913 or visit the website at www.hosieryassociation.com.
The Hosiery Association

• National and Regional Educational Forums (both electronic and face to face) provide interactive discussions among peers to address current issues as well as factors that will impact the future direction of the business. Exhibits have been added to offer more value to those who attend by gaining first-hand the latest information on products and services available.

• THA fully supports and endorses the World Responsible Accredited Production Program (WRAP) that provides a rigorous code and certification model for our members to demonstrate their commitment to ethical, legal and humane working conditions around the world.

• A Statistical Program that encompasses retail sales, production and import/export information that is vital in analyzing the industry and interfacing with retailers.

• Consumer Insights are consistently monitored and shared with member companies. A variety of demographics are surveyed as to what to what type of legwear products consumers want to buy and why.

• Ongoing Industrywide Communications Program on sheer hosiery, socks and seamless garments. Its goal is to educate the retailer and the consumer through seasonal trend reports, fashion tips, brochures and weekly interaction with the business, trade and consumer media.

• Association publications Hosiery News and Insider along with the website, www.hosieryassociation.com enable users to maintain a pulse on what’s transpiring in industry, legislation, technology, and fashion and retail segments of the business.

For further information, contact THA at 704.365.0913 or visit the website at www.hosieryassociation.com.

American Association of Textile Chemists and Colorists (AATCC)

Founded
1921 in Boston Massachusetts; 501(c)(6) not-for-profit scientific and professional society. AATCC moved from Lowell Textile School to Research Triangle Park, NC in 1963.

Mission
• To increase knowledge of the application of colorants, chemicals, and polymers in the textile industry
• To encourage in any practical way research work on textile design and coloration, chemical processes, and materials of importance to the textile industry
• To establish for our members channels by which the interchange of professional knowledge among them may be increased

Current Membership
Approximately 3,000 Individual Members and 200 Corporate Members from more than 60 countries. Members come from textile manufacturing; apparel and textile products companies; suppliers of dyes, chemicals, fibers, instruments, and machinery; independent and government testing laboratories; academics; related textile associations; and retail organizations

Local Sections: 9 in the United States; 21 in India
University and College Student Chapters: 19

Publications
AATCC Review-monthly magazine; AATCC News, from Concept 2 Consumer monthly electronic newsletter, AATCC Technical Manual (annual publication of test methods evaluation procedures, and committee rosters); many publications on textile chemistry, coloration, dyeing, printing, finishing, etc.

Education Programs
Typically conduct 8-10 workshops or symposia per year in the United States, as well as 3-5 test method workshops per year in India, China, and Turkey. Typical topics for AATCC symposia include: color measurement; printing technology; basics of dyeing and preparation; Concept 2 Consumer; garment processing;

For further information, contact THA at 704.365.0913 or visit the website at www.hosieryassociation.com.

AATCC
PO Box 12215
Research Triangle Park, NC 27709
Phone: 919.549.8141
AATCC

high performance and medical textiles; nonwoven enhancements; jet dyeing; and dyeing elastomeric fabrics. Over the years, AATCC has conducted joint programs with INDA, IFAI, [TC]^2, and ASTM Committee D-13, and other groups.

Interest Groups
Recently AATCC launched three Interest Groups: Concept 2 Consumer (C2C) - aimed at retail designers and merchandisers; Materials - targeted to individuals involved in high performance fibers, textiles, carpets, and nonwovens; and Chemical Applications - targeted to members interested in the applications of chemicals and colorants to textile fibers and fabrics. Members from around the world can participate in the programs and activities of these interest groups.

Annual Conference
AATCC conducts the annual International Conference & Exhibition (IC&E). This has traditionally been the largest technical conference world-wide dedicated to textile chemistry and textile wet processing.

Membership Fees
Current individual membership fees are $100 for senior and associate members. Corporate Membership can be selected with various packages of benefits ranging from $300 to $4,800 annually.

Goals
AATCC intends to be the leading global organization for textile test method development and related quality control materials, textile publications and programs concerning textile design, chemistry, processing and testing.

AATCC Website
www.aatcc.org is a secure website and contains a wealth of information available to the public including the ability to purchase products and publications on-line, and to register for the Associations’ many programs. In the password protected Member’s Only Section, AATCC members can search and download by key-word or author from the Association’s more than 30 years of magazine publications—a great tool for researchers of textile chemistry, dyeing, testing, finishing, etc., and there is also an electronic membership directory available.

Association of the Nonwoven Fabrics Industry
INDA is the leading Nonwoven fabrics & engineered fabrics trade association worldwide. Our mission: to promote the value and profitability of the Global Nonwovens/Engineered Fabrics Industry to benefit the members. INDA provides many services to enhance business and education. We organize trade shows, conferences, and training. In addition, INDA is known for publications and especially market forecasts and trends.
The Synthetic Yarn and Fiber Association is a non-profit organization comprised of individuals affiliated with the synthetic yarn and fiber industry. Representation in the industry includes fiber producers, texturizers, knitters, weavers, and dyeing & finishing personnel. Additionally, raw material suppliers, equipment manufacturers, and service providers related to the industry are valuable contributors to the organization.

The SYFA promotes the production, improvement, and utilization of synthetic yarns and fibers in various end uses. The association provides members a forum for discussion and presentations related to the improvement of synthetic yarns and fibers. We also provide valuable downstream application information and education as well as periodic reviews of current trade issues. SYFA membership assures you of current industry information and contacts that are essential for success.
NC Textile Resource Guide Links

- NC Licenses/Permits
- NC Ports
  http://www.ncports.com/facilities.htm
- NC Textile Connect
  www.textileconnect.com
- NC Textile Team
- NCMilitary Business Center
  http://www.ncmbc.us/
- NCSU College of Textiles
  www.tx.ncsu.edu
- NCSU College of Textiles Journal of Textile and Apparel, Technology and Management (JTATM)
  http://www.tx.ncsu.edu/jtatm/
- NCSU College of Textiles Textile Educ - seminars, conferences, executive educ.
  www.texed.ncsu.edu
- NCSU College of Textiles TOPS - Distance Education
  www.tx.ncsu.edu/academic/distance
- NCSU Industrial Extension Service
  www.ies.ncsu.edu
- NCSU Technology Incubator
  http://techicubator.ncsu.edu
- Nonwovens Cooperative Research Center
  http://www.thenonwovensinstitute.com/ncrc
- North Carolina Community Colleges
  www.nccommunitycolleges.edu
- Site Selector’s Toolkit
- Small Business Center Network
  http://www.ncccs.cc.nc.us/business_and_industry/sbcnmainpage.htm
- Small Business Technology Development Center (SBTDC)
  http://www.sbdtc.org/
- Synthetic Yarn & Fiber Association
  www.thesyfa.org
- Textile Event Calendar
  http://www.textileconnect.com/events.cfm
- Textile Protection and Comfort Center
  http://www.tx.ncsu.edu/tpacc/
- Textile Value Chain/Supply Chain
  http://www.textileconnect.com/value_chain.cfm
- Textile/Clothing Technology Corp.
  www.tc2.com
- The Hosiery Association
  www.hosieryassociation.com
- UNC Kenan-Flagler Business School Global Business Project
  http://www.kenan-flagler.unc.edu/ki/ciber/GBP/
- UNC Kenan-Flagler Business School Star Program - Student Teams Achieving Results
  http://www.kenan-flagler.unc.edu/Leadership/Companies/STAROverview.cfm
- UNC-Greensboro, Dept of Consumer, Apparel, Retail Studies
  www.uncg.edu/crs

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