



UpstateAlliance

SOUTH CAROLINA

The Right Climate For Global Business.

ADVANCED MATERIALS

Clemson University

Plastics

Optics & Photonics

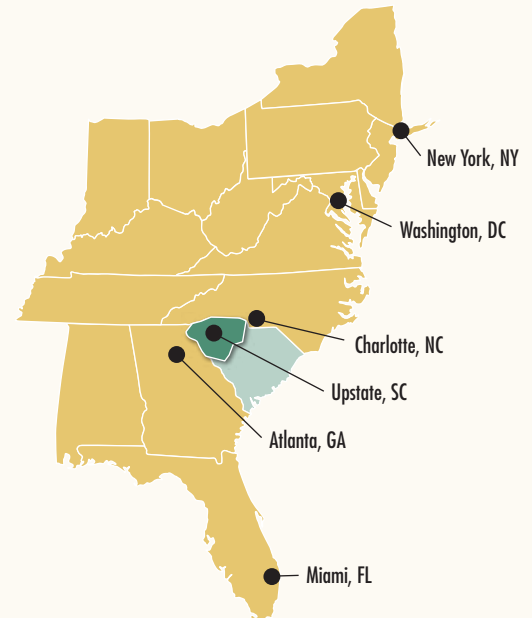
Fiber & Film



Technology-Driven Materials Manufacturing

As a worldwide leader in manufacturing technology, there is no other place like Upstate South Carolina for advanced materials research and manufacturing. Located here are highly-trained graduates, world-renowned professors and a dynamic workforce developing and using cutting-edge technologies in state-of-the-art research facilities.

Located in the northwestern corner of South Carolina, Upstate SC is not only strategically positioned between two of the largest cities in the Southeastern United States - Charlotte and Atlanta - but it also provides an unmatched quality of life to its 1.3 million residents. With excellent schools, diverse dining options and a multitude of cultural and recreational opportunities, it's easy to see why people are blown away by Upstate South Carolina.



SELECT COMPANIES:

Alcoa Home Exteriors, Cytec, Dispoz-O-Products, Flexible Technologies, Fujikura, Fujifilm, Goodyear, Johnson Controls, Owens-Corning, Sonoco Crellin, Sterilite

Clemson University – A Leader in Advanced Materials

The Clemson University Advanced Materials Center is an innovative campus and technology park located in Upstate South Carolina. Anchored by a state-of-the-art research facility, the Center continues to be a major catalyst for collaboration in the private and public sector, most notably the National Science Foundation, the Department of Defense and NASA.

Highlights of the Center include:

- 110,000 sq ft state-of-the-art building containing
 - ◆ Laser & chemical laboratories
 - ◆ Clean rooms
 - ◆ Instrumentation facilities
- More than 25 patent applications filed since 2000
 - ◆ 15 issued
 - ◆ 8 licensed or in use
- Assisted in the creation of 2 spin-off companies and 50 jobs



Advanced Materials Research Lab
Photo courtesy of Clemson University



UpstateAlliance

SOUTH CAROLINA

The Right Climate For Global Business.

ADVANCED MATERIALS

Clemson University

Plastics

Optics & Photonics

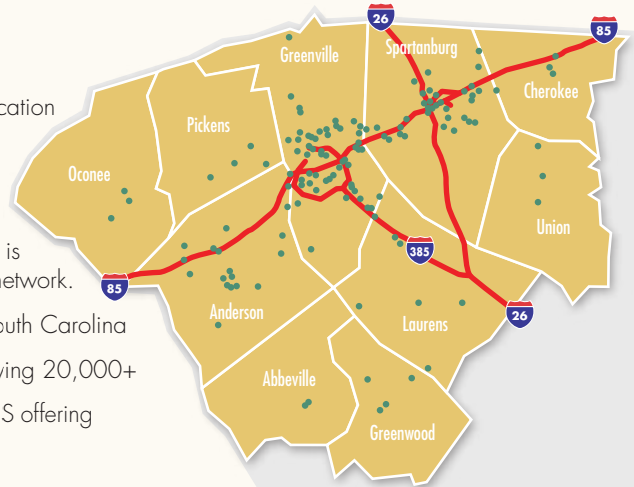
Fiber & Film



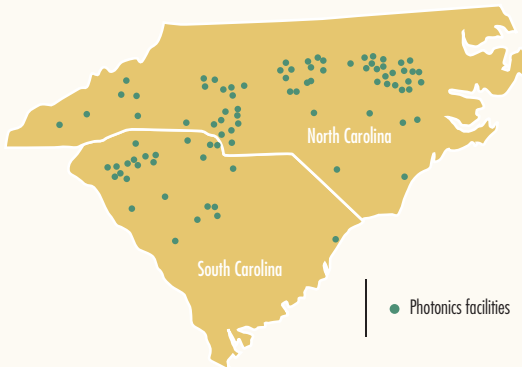
Plastics

The Upstate has long since proven itself an ideal location as a base for plastics firms. With a multitude of support mechanisms, these companies have thrived in our fertile manufacturing environment. The infrastructure for moving the product and materials of the plastics industry is readily available here and is supported by a highly sophisticated transportation network.

- Largest concentration of plastics companies in South Carolina
- More than 150 plastics-related companies employing 20,000+
- Clemson University is one of 5 Universities in the US offering degrees in Packaging Science
- Center for Flexible Packaging
 - ◆ Promotes university & private sector collaboration
 - ◆ Offers an extensive line of research & testing capabilities to the industry
 - ◆ Home to world-class laboratories to support research needs – Sonoco Laboratory and the Dupont Packaging Evaluation Lab



● Plastics-related companies



● Photonics facilities

Optics & Photonics

- Carolinas Photonics Consortium
 - ◆ Partnership created to leverage the strengths and assist in the commercialization of the 6 Universities' Photonics Technologies
 - ◆ Largest concentration of photonics-based resources in the country
- Over 160 photonics facilities located in the Carolinas

Partners

Clemson University, Duke University, East Carolina University, North Carolina State University, University of North Carolina – Charlotte, and Western Carolina University

Fiber & Film

- Clemson University has the most advanced fabrication capabilities of optical fiber in the US
- Center for Advanced Engineering Fibers & Film
 - ◆ Partnership between Clemson University and MIT
 - ◆ Provides an integrated research & education environment for the systems-oriented study of fibers & films
 - ◆ A National Science Foundation Engineering Research Center since 1998



Our state-of-the-art web-based mapping application allows users to run detailed searches of the Upstate's sites & building database, create custom demographic reports and manipulate maps of the region.