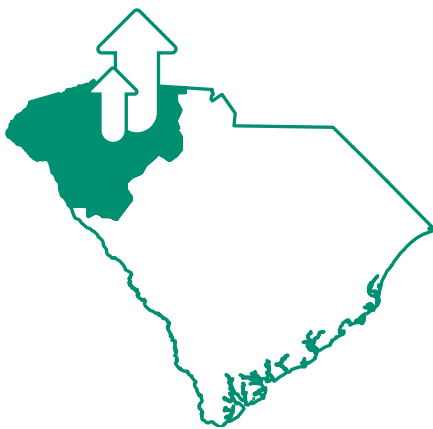




ADVANCED MATERIALS

With an innovative workforce, significant research facilities and a thriving community of entrepreneurs, Greenville continues to support the ever-growing industry of advanced materials companies including Toray in Spartanburg, Teijin in Greenwood, and Solvay-Cytec in Greenville.



\$1.1 billion

in export sales of plastics in 2016.

-South Carolina Department of Commerce

RELATED R&D FACILITIES



Clemson University Advanced Materials Research Lab (AMRL)

clemson.edu/science/departments/chemistry/facilities/amrl.html

The Clemson University Advanced Materials Research Lab is located in an innovative campus and technology park just 40 minutes from Greenville. Anchored by a 110,000 SF state-of-the-art research laboratory containing laser & chemical laboratories, clean rooms, and instrumentation facilities, the Lab 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, in fibers, films, ceramics, plastics, optics, composites and nanomaterials.

Clemson University's Center for Advanced Engineering Fibers and Films (CAEFF)

CAEFF provides an integrated research and education environment for the systems-oriented study of fibers and films. To control structure in polymeric fibers and films, industries need complete science-based, computational models that integrate molecular information with continuum or macroscopic-level models, and advanced visualization tools, as well as a new generation of engineers and scientists with experimental, modeling, and visualization expertise. CAEFF promotes the transformation from trial-and-error development to computer-based design of fibers and films.

“ Greenville County offers a number of benefits - a pool of highly-skilled talent and close proximity to in-depth training offered by South Carolina's Technical College System. ”

-Bill Wood, President
 Solvay-Cytec Aerospace Materials



Cooking up innovation: **ADVANCED COMPOSITE MATERIALS, LLC**

Haydale Technologies (formerly Advanced Composite Materials) houses its research and development lab and state-of-the-art manufacturing facility in Greer, SC. The company manufactures microwaveable ceramic composites used in heating and grilling racks for restaurant and food industries.

The distinctive ACM technology, called Silar®, combines the use of Silar Silicon Carbide Whiskers and Silar Microwave Absorbent Ceramics to enable longer life, additional applications and ultra-fast cooking.

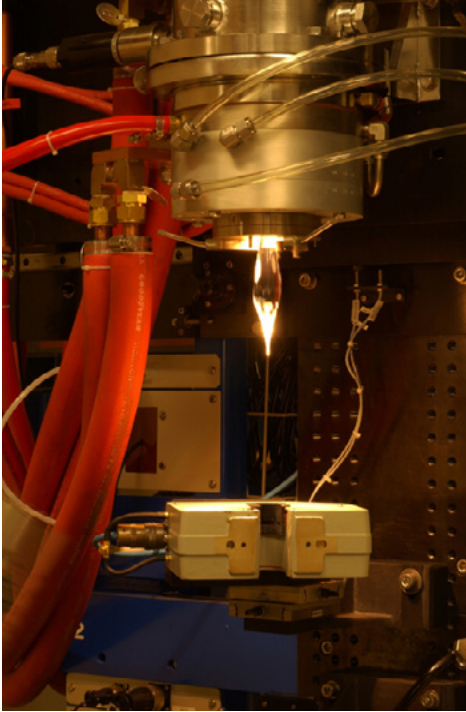
RELATED R&D FACILITIES



Clemson University's Center for Optical Materials Science and Engineering Technologies (COMSET)

clemson.edu/centers-institutes/comset/

This Advanced Materials Center performs R&D on glass, plastics and ceramic optical materials leading to the next generation devices for optical fiber, sensing, defense and automotive applications.



Greenville Technical College Center for Manufacturing Innovation (CMI)

gvltec.edu/indexcmi.html

The Greenville Technical College Center for Manufacturing Innovation (CMI) provides an engaging environment that gives students the tools needed to succeed in advanced manufacturing careers, and employers the skilled workforce required for commercial success.

The innovative curriculum features integrated project-based learning experiences that includes 3D printing in both plastics and metals.

CU International Center for Automotive Research (CU-ICAR)

cuicar.com/lightweight

CU-ICAR reduces vehicle weight through advanced materials research.



30,000

South Carolinians work in the advanced materials and composite industry.

-South Carolina Department of Commerce

SELECT ADVANCED COMPANIES



Ceramic Technology

- **Haydale Technologies/Advanced Composite Materials** - Reinforced Ceramics
- **Kemet Electronics Corporation** - Ceramic Surface Mounted Capacitors
- **AVX Corporation** - Ceramic, Tantalum, and Film Capacitors
- **Eurokera** - Ceramic Cook Surfaces

Fiber-Related

- **Solvay-Cytec Carbon Fibers** - Pitched Based Carbon Fibers, Pan Carbon Fibers
- **SAATI** - Carbon Fiber
- **B&W Fiberglass** - Fiberglass Fabrics
- **Fitesa** - Nonwoven Products
- **Solvay Advanced Polymers LLC** - High Performance Polymer Technology
- **Milliken** - Advanced Fabrics
- **Alexium** - Polymeric Coatings
- **Sage Automotive Interiors** - Automotive Fabrics

Film

- **3M** - Polyester Film Products, Plastic Film
- **Mitsubishi Polyester Film** - Polyester Film
- **Sealed Air Corp / Cryovac Division** - Flexible Plastic Packaging
- **Transcendia** - Plastic Film

Coatings

- **Alexium** - Polymeric Coatings
- **GVD** - Polymeric Coatings
- **Diversified Coatings** - Plastics Parts Coating
- **Hentzen** - Aerospace Coatings
- **Solvay Advanced Polymers** - High Performance Polymers



800

advanced materials and composites firms.

-South Carolina Department of Commerce

CONTACT US

864.235.2008

WWW.GOGADC.COM

233 N. MAIN ST, SUITE 250
GREENVILLE, SC 29601