

MEDICAL DEVICE & EQUIPMENT



The Charlotte region continues to strengthen its position as one of the most dynamic and diversified locations in North America. This 16-county region – 12 in North Carolina and four in South Carolina – is home to more than 950 foreign-owned firms, eight FORTUNE 500 company headquarters and a growing population of over 2.7 million residents.

INDUSTRY HIGHLIGHTS

- Largest concentration of medical device manufacturing in the Carolinas
- More than 6,200 workers employed at 260 firms in the medical device & equipment manufacturing sector within the region
- Largest firms include Cardinal Health, BSN Medical, Pelton and Crane, Sarstedt, Greiner Bio-One, ATI Allvac
- North Carolina Research Campus, a \$1 billion 350-acre biotech campus in Kannapolis, home to research programs of private biotechnology companies, healthcare companies and all research universities in the UNC system
- UNC at Charlotte's Bioinformatics Research Center (BRE), \$35 million, 75,000sf facility housing wet and dry laboratories and core facilities for gene expression, proteomics, microscopy, crystallography, and computing
- Major medical centers include the Carolinas Healthcare System, one of the nation's largest public healthcare system in the U.S.; Blumenthal, Presbyterian and Batte Cancer Centers are actively engaged in national clinical trials for promising new cancer treatments; they leverage the region's large patient base into important clinical research



RECENT NEWS

- **Medical Murray**, a medical device design and development manufacturer will hire approximately a dozen employees and located a new facility in Mecklenburg County (2013)
- **Silcotech North America Inc.**, a manufacturer of silicone components for medical and auto industries, will invest \$3.5M and create 50 new jobs (2013)
- **Sarstedt, Inc**, German-owned maker of science and medical instruments based in Newton, NC, invests \$14.2 million and adds 20 new jobs in expansion of existing facility (2011)
- **Groninger USA LLC**, German owned manufacturer of high-precision filling machines for the pharmaceutical and cosmetic industries, relocated U.S. operations from New Jersey to Charlotte (2011)
- **Greiner Bio-One**, Austrian-owned manufacturer of medical sampling devices and laboratory analysis technology adding 51 new jobs to existing plant in Monroe, NC (2010)

NOTABLE FIRMS

CEM
Greiner Bio-One
Crompton Manufacturing
Microban Products Company
Transworld Med Corp
Sarstedt

EI Laboratory
Meridian Laboratory
Camstar
Cardinal Health
Enovia (Dassault Systèmes)

Fleming Laboratories Inc
Clear Collar
Aplix
3D Systems
Groninger

Rockwood Lithium
Pelton & Crane
Kyphon Inc
Chelsea Therapeutics
Thor-Lo



MEDICAL DEVICE & EQUIPMENT

	All Production Occupations Avg. Wage	Team Assemblers Avg. Wage	CNC Operators Avg. Wage
North Carolina	\$32,390	\$28,560	\$34,990
Massachusetts	\$37,740	\$29,790	\$43,740
Pennsylvania	\$35,800	\$30,180	\$38,560
Maryland	\$36,680	\$30,880	\$40,270
Washington	\$40,340	\$29,900	\$44,700
Illinois	\$35,070	\$29,940	\$37,500
United States	\$34,500	\$29,910	\$36,810

Source: BLS, May 2012

GROWING AND TALENTED WORKFORCE

- Charlotte recently ranked as 4th fastest growing city in the U.S. (Forbes)
- Charlotte region is home to 20 colleges and universities and 17 community and technical colleges with customized workforce development programs
- More than 1,700 K-12 North Carolina teachers trained to bring biotechnology to their classrooms
- 7 NC BioNetwork Centers align world class workforce training to biotechnology, pharmaceutical and life science industries
- More than \$6 million awarded to equip NC teaching laboratories, develop new courses, and update existing courses in STEM areas (Source: Biotechnology Center)
- Over 50,000 degrees awarded in science, engineering, technology disciplines in North and South Carolina's public universities including UNC at Charlotte, University of South Carolina, Duke University and Clemson University among others. (Source: National Center for Education Statistics, 2011-2012)
- NCCCS BioNetwork provides basic training for entry-level process technicians in the bioprocess, pharmaceutical and chemical manufacturing industries.

INDUSTRY RESOURCES

University of North Carolina at Charlotte,
Charlotte Research Institute
<http://www.charlotteresearchinstitute.com>
North Carolina Research Campus
<http://www.ncresearchcampus.net>
North Carolina Biotechnology Center
<http://www.uncc.edu>
North Carolina BioNetwork
<http://www.ncbionetwork.org>
North Carolina Bioscience Industry
<http://www.ncbioscience.org>
Southeastern Medical Device Association
www.semda.net
South Carolina BIO
<http://www.scbio.org>

EDUCATION HIGHLIGHTS

University of North Carolina's Charlotte Research Institute (CRI) combines cutting-edge technology and research facilities with local resources to provide employers a skilled workforce equipped with the latest industry trends and applications.

- Center for Precision Metrology at CRI:
 - Nationally recognized programs at CPM concentrate on intelligent manufacturing, precise machining measurements, metrology instrumentation, nanotechnology, and subatomic measurement
 - Projects funded by NASA, NIST and the U.S. Army, among others.
- Center for Opto Electronics and Optical Communications at CRI:
 - Research areas include optoelectronics and optical device fabrication, optical metrology, optical communication infrastructure and optical imaging.

Gaston College Textile Technology Center offers a centralized source of technical support for textile and fiber industry, playing a significant role in keeping the industry competitive in the state.

COMMUNITY COLLEGE WORKFORCE TRAINING PROGRAMS

- Gaston College provides curricula and short courses for the biotechnology industry, providing associate of applied science degree in biotechnology.
- Cleveland Community College offers a biotechnology track to train students for work as research assistants, lab technicians and quality control technicians.
- Rowan-Cabarrus Community College implementing certification program in clinical research, as well as degree programs in biotechnology, agricultural biotechnology and bioprocessing; RCCC also is planning biotechnology training facility at N.C. Research Campus.
- Central Piedmont Community College provides a medical laboratory technology training program for work in clinical labs.
- Catawba Valley Community College provides workforce training as part of their Health Services Innovation Center
- South Piedmont Community College Career Development & Continuing Education program available for new or existing business and for customized training
- Stanly Community College - eligible for support through the Customized Training Program include Information Technology and Life Sciences programs

HIGHLIGHTS:

- Charlotte-Gastonia-Rock Hill, NC-SC MSA #4 among Best Cities for Jobs (Forbes, 2013)
- Charlotte-Gastonia-Rock Hill, NC-SC MSA #6 among Top 10 metro areas for business growth (Fox Business, 2013)
- North Carolina #2 and South Carolina #5 among Best States for Business Climate (Site Selection, Executive Survey, 2012)
- Charlotte-Gastonia-Rock Hill MSA ranked "US Cities with Fastest Growing Job Markets" by The Atlantic (2012)
- S.C. ranked #2, N.C. ranked #5 among Top States for Doing Business (Area Development Magazine 2012)

A nonprofit, public/private economic development organization, the Charlotte Regional Partnership offers site location assistance, customized research and introductions to key industry resources across its 16-county, two-state region. The Partnership's services are free of charge to business prospects considering Charlotte USA, an area of 2.7 million people.

For more information, call 800.544.4373 or 704.347.8942 | charlotteusa.com

