



Manufacturing tomorrow’s most advanced devices today

From surgical devices to lab equipment, from advanced polymers to laser welding processes, Connecticut is home to a globally competitive, diverse and highly technical medical device industry. Building on a long tradition of precision craftsmanship, many well established Connecticut companies have leveraged their expertise to retool for the medical industry. They are joined by many new organizations that are also pioneering innovative devices to advance medical treatments.

A thriving and growing sector

Connecticut is quickly emerging as a major hub for medical device manufacturing—thanks to its complementary strengths in both advanced manufacturing and bioscience. In fact, more than a hundred medical device companies in Connecticut now produce more than two billion in sales each year.

The manufacturing of surgical and medical instruments also represents a significant share of Connecticut’s total exports—valued at more than \$1.3 billion in 2019 alone.

A collaborative ecosystem, a robust supply chain

One of the factors that make Connecticut such a haven for medical device companies is its robust supply chain. From smaller suppliers to major centers for some of the world’s largest manufacturers, Connecticut is home to a collaborative ecosystem of medical device companies.

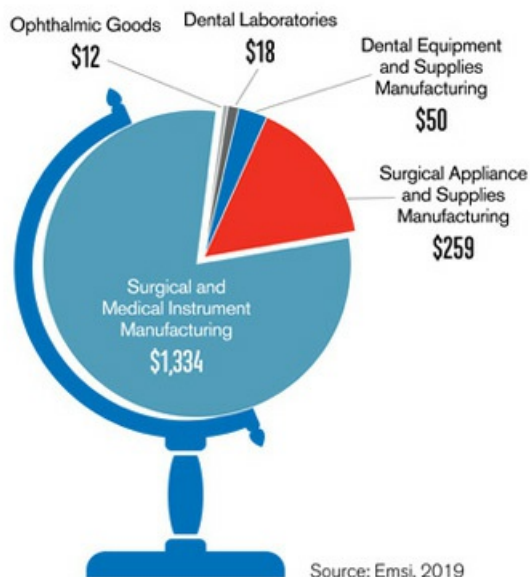
Connecticut is also home to dozens of new innovation spaces dedicated to the bioscience industry—like the BioCT Innovation Commons in southeast Connecticut. The Commons offers nearly 22,000 square feet of commercial-grade labs, offices, co-working and special event spaces to encourage innovation.

A concentration of medical device professionals

Nearly 6,500 people are employed in the Medical Equipment and Supplies Manufacturing industry in Connecticut. In fact, these types of jobs are 74% more concentrated per capita in Connecticut than on average across the country.

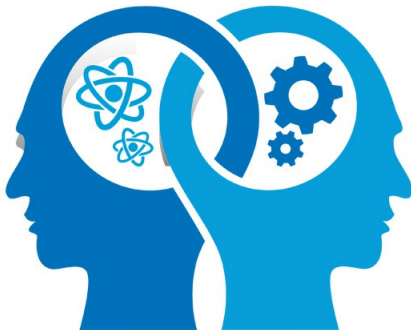
Source: Emsi—Economic Modeling Specialists Intl, 2019

CONNECTICUT MEDICAL DEVICE INDUSTRY EXPORTS, 2019 (\$ MILLIONS)



Source: Emsi, 2019

#8 for science and engineering doctorates in the workforce¹ **#7** in U.S. for investment in workforce development²



¹ National Science Foundation, 2018; Bureau of Labor Statistics, 2017;
² Milken Institute, State Technology and Science Index, 2018

A highly skilled and frequently retrained workforce

Because of this concentration of talent, Connecticut can offer medical device manufacturers access to all the different types of highly skilled, highly productive professionals they need to succeed. In fact, the state ranks third in the nation for the percentage of employees with advanced degrees.

Better still, many of those employees have advanced degrees in science and engineering—as evidenced by Connecticut's top 10 ranking in the U.S. for its concentration of science and engineering doctorates.

Connecticut also has a concentration of experienced high-tech workers who are capable of filling a wide array of medical device manufacturing jobs. Just as critical, bioscience leaders across the state continually invest in the development of their workforce.

What also makes the state a hub of medical device innovation is that it is home to such top educational research institutions as Yale University and the University of Connecticut. These universities work collaboratively with business leaders in the medical device sector to find practical ways to commercialize the latest advancements in bioscience and engineering.

A catalyst for economic development

Medical device manufacturing drives a significant impact on the overall Connecticut economy. Take a look at the latest figures available:

- Every new job in the Medical Supplies and Manufacturing Field (NAICS code 33911) resulted in 1.12 additional jobs to the Connecticut economy—meaning that it drives growth in other sectors as well.
- Every additional dollar earned directly in the Medical Supplies and Manufacturing Field produced another 0.61 dollars of earnings in related sectors as well.

Source: Emsi, 2019

MEDICAL EQUIPMENT & SUPPLIES MANUFACTURING TOTAL JOB IMPACTS, 2019



Source: Emsi, 2019; AdvanceCT calculations, 2020

Funding for new medical device ideas

Not only is the medical device sector contributing to the state's overall economy today, Connecticut is supporting the contributions the sector can make on an ongoing basis.

For example, the Connecticut Bioscience Pipeline program, a partnership between Connecticut Innovations, the University of Connecticut, Quinnipiac University and Yale University, is funding new ideas that can one day become investable business ventures in the medical devices, drug delivery, diagnostics and health IT industries.

Just one of the many ways the state is supporting the ongoing success of Connecticut's medical device sector.