



PURE MANUFACTURING—MEDICAL DEVICES

MICHIGAN MEANS SUCCESS

Michigan's manufacturing prowess and core of world class medical device companies make the state a top-tier location for medical device development and manufacturing. Today, Michigan is home to more than 500 medical device manufacturers,¹ which are supported by a robust manufacturing supply chain of more than 14,000 facilities across the state.² These assets make Michigan well equipped to meet all of your medical device needs.

MANUFACTURING INDUSTRY DOMINANCE

Michigan has a long and rich history of device and equipment manufacturing. While the state is most identified as the automotive capital of the world, Michigan has grown its manufacturing industry faster than any other state in the U.S.³ Michigan is also home to two national centers of manufacturing innovation—Lightweight Innovations for Tomorrow (LIFT) and the Institute for Advanced Composites Manufacturing Innovation (IACMI)—both dedicated to lightweight material research in various industries.

Key Michigan medical device companies include:

- Aspen Surgical Products
- ATEK Medical
- BD Accuri
- Centurion Medical Products
- Corium International
- Coy Laboratory Products
- Delphinus Medical Technologies
- Eberbach Corporation
- Epsilon Imaging
- Essen Bioscience
- GraMedica
- Hart Enterprises
- HoMedics
- HistoSonics
- Integrated Sensing Systems
- MedBio
- NeuroNexus Technologies
- NuStep
- Orchid Orthopedics
- PlasLabs
- RTI Surgical
- Skytron
- Stryker Corporation
- Tangent Medical
- Terumo Cardiovascular
- ThermoFisher Scientific
- Xoran Technologies

SUPPLY CHAIN SUCCESS

Michigan is strategically located as a place nearest one of the U.S. largest trading partners, and amid the most populated areas in North America. The state is located within 500 miles of almost half the U.S. and Canadian markets and has a comprehensive logistics supply chain strategy that fosters collaboration between public and private sectors, drawing on the logistics know-how and expertise from the state's leading researchers at Michigan State University and University of Michigan.

ACCESS TO TALENT

Michigan companies grow and increase productivity by leveraging our hardworking and highly skilled workforce. With more than 123,000 engineers⁴, the most of any state, and a skilled trades work force of more than 245,000⁵, Michigan has one of the greatest and most diverse workforces in the country. Our world class talent is further strengthened by the state's unrivaled network of SmartZones, which provide business acceleration and wet-lab incubator services that allow Michigan's life science companies to grow. In addition, Michigan is home to 141 venture-backed startups, a 70 percent increase in the last five years.⁶

Other state resources include:

- **MiDevice:** A Michigan-based organization dedicated to medical device design, development, manufacturing and distribution. The consortium works to speed the growth and development of medical devices by emphasizing and encouraging collaboration among members to meet overall product lifecycle and supply chain needs.
- **MedHealth:** A regional collaboration connecting, convening, and educating the medical innovation ecosystem in southeast Michigan and southwest Ontario to accelerate the adoption of technologies that improve quality of care and contribute to economic growth.
- **MichBio:** Supports the development of Michigan's life science industry by hosting industry events, networking and education.

¹ EMSI

² <https://mni.net/info/michigan-manufacturersdirectory>

³ Area Development, Q3 2017

⁴ Bureau of Labor Statistics

⁵ Bureau of Labor Statistics, Occupational Employment Statistics, May 2014.

⁶ Entrepreneur magazine; Michigan Venture Capital Annual Research Report, 2014–15 (Feb. 2016).

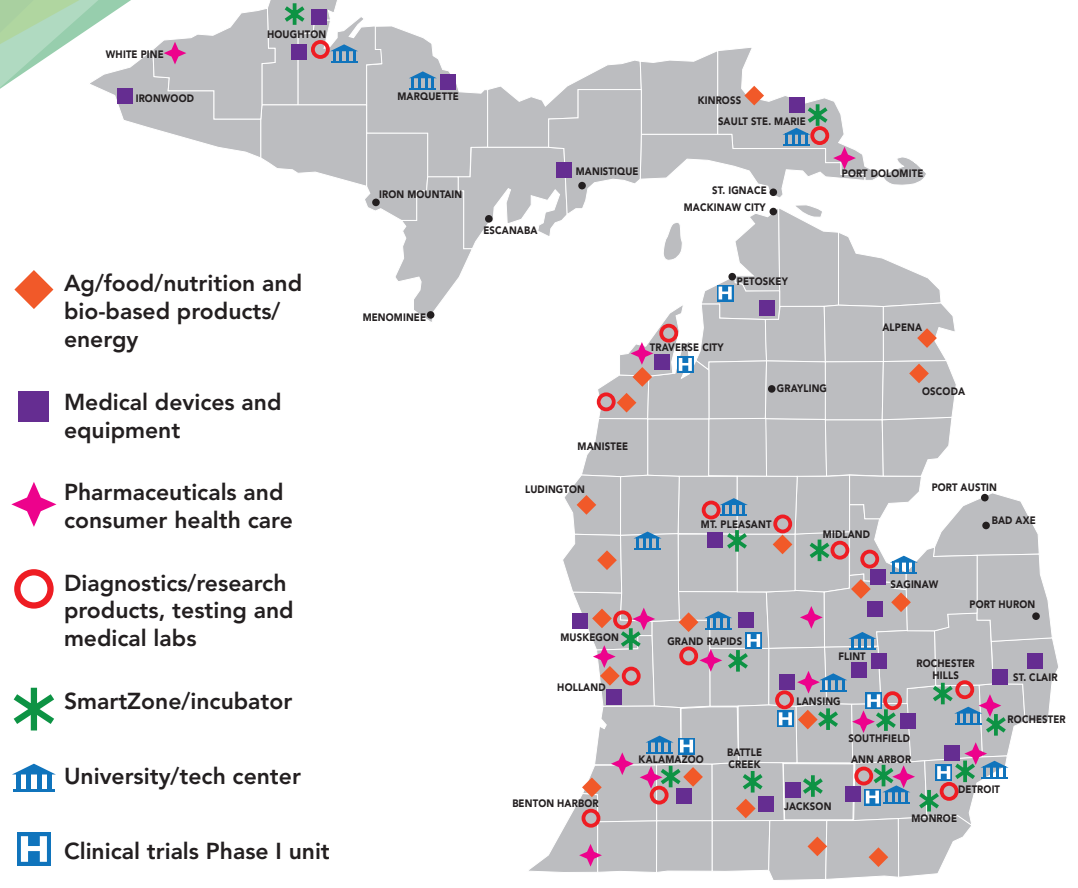


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MICHIGAN BIO-INDUSTRIES

Source: MichBio



COMITTMENT TO EDUCATION

Michigan has an outstanding and diverse set of universities and colleges, and is home to five universities that rank in the top 150 nationally⁷, and two that rank in the top 25 of total R&D expenditures.⁸ Overall, Michigan has more than 55 independent universities and colleges, 28 community colleges, and 15 public universities.

- University of Michigan and Michigan State University had the 11th and 12th most U.S. graduates, respectively, in biological and biomedical sciences degrees.⁹
- University of Michigan is nationally ranked in the top 10 for medical research.¹⁰
- National Institute of Health research funding for University of Michigan (Ann Arbor) totaled \$521.8 million in 2017.¹¹

- University of Michigan (Ann Arbor) is a nationally ranked cancer center, has one of the two Michigan hospitals ranked for heart research, and is driving the development and manufacturing of cardiovascular solutions.¹²
- The University Research Corridor, an alliance of Michigan State University, the University of Michigan and Wayne State University, retained its second place standing in 2016 for the fourth straight year in the Innovation Power Ranking among the nations most respected innovation clusters.¹³
- Michigan ranks first in R&D expenditures for all public institutions at \$1.4 billion.¹⁴

⁷ <https://www.usnews.com/best-graduate-schools/top-medical-schools/research-rankings>

⁸ <https://ncesdata.nsf.gov/profiles/site?method=rankingBySource&ds=herd>

⁹ EMSI

¹⁰ U.S. News and World Report (2017 Best Medical Schools, Research)

¹¹ <https://report.nih.gov/award/index.cfm>

¹² www.usnews.com

¹³ <http://urcmich.org/reports/10th-annual-economic-impact>

¹⁴ https://ncesdata.nsf.gov/herd/2016/html/HERD2016_DST_36.html

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Dedicated to shared economic success, the MEDC promotes the state's assets and opportunities that support business investment and community vitality. The MEDC's business assistance programs and services connect companies with people, resources, partners, and access to capital.



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