

Manufacturing in the Dayton Region

The Dayton, Ohio, Region's manufacturing industry is one of the largest, most highly developed centers in the United States. The unique and compelling nature of the industry is a result of cutting-edge technology, sophisticated processes and a highly skilled workforce. Supported by the Region's 40 colleges and universities, abundant water and transportation resources, and an incredible knack for innovation, Dayton-area manufacturing is globally competitive for businesses entering or expanding in the Region:

Economic development: In the 14-county area comprising the Dayton Region, stretching north to Auglaize and southeast to Clinton counties, manufacturing is one of the most significant contributors to economic development. From 2009-2013, the manufacturing industry invested \$2.3 billion in the area by expanding 187 facilities, constructing 79 new facilities, and creating 12,303 jobs.¹

Companies: Nearly 2,400² manufacturers do business in the Dayton Region.

Employees: Manufacturing employs 114,411³ workers – 15.26% of the area's workforce.

Annual openings: From 2013 to 2023, the Region's production occupations are expected to witness 2,654⁷ average annual openings.

Payroll and sales: Manufacturing contributes 19.9% – \$6.1 billion⁴ of the region's annual total payroll. The area industry also contributes \$44.4 billion⁵ in annual sales.

Concentrated capabilities: The Dayton Region is one of the largest tooling, machining and material processing centers in the U.S. The area is home to unique, specialized services such as heat treating, coating, brazing and microfinishing. The multi-source supplier base also includes engineering design, research and development, assembly, fabrication, precision machining, welding, laser and waterjet cutting, prototyping services and much more.

Economic multiplier effect: Every dollar of business coming into the Region's manufacturing industry has a high ripple effect. One dollar of sales could have a ripple effect of \$1.70⁶ in regional sales because of the area's strong manufacturing cluster.

Diverse markets: Dayton Region manufacturers serve customers in a wide variety of markets, including aerospace, energy, medical, defense, communication and transportation.

Fifty-one percent of Dayton-area manufacturers sell to local customers; 55% to regional customers; 51% nationally and 28% internationally.

Future growth: Data analysis identifies advanced manufacturing as a strategic growth industry in the Dayton Region. Four areas of manufacturing concentration -- aerospace, computer/electronics; chemical, plastic and rubber; and metalworking and machining -- are expected to add a significant number of jobs in the next ten years. To make sure the Dayton area is poised to meet this demand, the Region's academic, public and private sectors are collaborating to align workforce education and training programs with manufacturers' needs.

Manufacturing is critical to the economic and national security of the United States, making manufacturing hubs like the Dayton Region a vital investment in our country's future. Founded in 1934, the Dayton Region Manufacturers Association (DRMA) is the voice of the Region's manufacturing industry, serving its members through peer-to-peer networking, career awareness, advocacy, education, economic development, and sharing of best practices.

At a Glance

- 2,364 companies
- 114,411 employees
- \$6.1 billion annual payroll
- \$2.3 billion economic development
- \$44.4 billion annual sales



*All numbers are based on 2013 statistics.
Research conducted by Wright State
University's Center for Urban and Public Affairs.*

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Works Cited

Research conducted by Wright State University's Center for Urban and Public Affairs

¹ Ohio Department of Development, 2009, 2010, 2011, 2012, 2013

² U.S. Department of Labor, Bureau of Labor Statistics, 2013 q2

³ U.S. Department of Labor, Bureau of Labor Statistics, 2013 q2

⁴ U.S. Department of Labor, Bureau of Labor Statistics, 2013 q2

⁵ emsi Analyst, Dataset 2014.3

⁶ emsi Analyst, Dataset 2014.3

⁷ emsi Analyst, Dataset 2014.3

The top five production occupations are listed below by title (annual openings):

- Team Assemblers (315)
- Machinists (195)
- Inspectors, Testers, Sorters, Samplers, and Weighers (143)
- Helpers--Production Workers (123)
- Packaging and Filling Machine Operators and Tenders (117)

emsi Analyst. (Dataset 2012.2). 2011 DDC Region Input/Output Model Details. Ohio County Areas: Auglaize (39011), Butler (39017), Champaign (39021), Clark (39023), Clinton (39027), Darke (39037), Greene (39057), Miami (39109), Montgomery (39113), Preble (39135), Shelby (39149), Warren (39165). Retrieved 07 2012, from www.economicmodeling.com

emsi Analyst. (Dataset 2012.2). Industry List: 2011 Industry Employment & Establishments. Ohio County Areas: Auglaize (39011), Butler (39017), Champaign (39021), Clark (39023), Clinton (39027), Darke (39037), Greene (39057), Miami (39109), Montgomery (39113), Preble (39135), Shelby (39149), Warren (39165). Retrieved 07 2012, from www.economicmodeling.com

emsi Analyst. (Dataset 2014.3). 2013 DRMA Region Input/Output Model Details. Ohio County Areas: Auglaize, Ohio (39011), Butler, Ohio (39017), Champaign, Ohio (39021), Clark, Ohio (39023), Clinton, Ohio (39027), Darke, Ohio (39037), Fayette, Ohio (39047), Greene, Ohio (39057), Mercer, Ohio (39107), Miami, Ohio (39109), Montgomery,. Retrieved 07 2012, from www.economicmodeling.com

emsi Analyst. (Dataset 2014.3). 2013 Regional Jobs, Earnings, Sales. Retrieved 07 2012, from www.economicmodeling.com

Ohio Department of Development. (2009, 2010, 2011, 2012, 2013). *Ohio Private Investment Survey*. Policy Research and Strategic Planning Office. OH: State of Ohio. Retrieved from <http://www.development.ohio.gov/research/>
U.S. Department of Labor, Bureau of Labor Statistics. (2013 q2). Quarterly Census of Employment and Wages Program (QCEW, formerly known as the ES-202 program).