

OHIO

POWERED BY *MANUFACTURING*

The Ohio Manufacturers' Association is a volunteer-driven organization of more than 1,800 member companies dedicated to establishing Ohio as a global center of manufacturing excellence. The OMA serves as the voice of manufacturers in Ohio legislative and administrative policy-making, and provides member manufacturers with information and quality services that help their companies grow and succeed in a global marketplace.

For more information about the services and activities the OMA conducts on behalf of member companies, call the OMA toll-free at 1-800-662-4463 or 614-224-5111 or visit www.ohiomfg.com.

COMPETITIVENESS COUNTS

Facts About Ohio Manufacturing



Quality Jobs
Prosperous Communities
Global Opportunities



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Competitiveness Counts

Facts About Ohio Manufacturing

Ohio. Powered by Manufacturing. Ohio manufacturing is responsible for more than 20% of Ohio's Gross State Product and contributes to the quality of life in Ohio by providing:

- More than 800,000 jobs for Ohio workers
- An annual payroll of more than \$39 billion
- The second highest weekly earnings of any economic sector
- More than \$26 billion in products to more than 196 countries
- A safer environment through decreased emissions and increased recycling

The Ohio Manufacturers' Association has prepared this fact book to provide Ohioans with an understanding of the importance of manufacturing to the economic future of the state.

For additional copies of this booklet, contact the OMA at 1-800-662-4463.

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Ohio Manufacturing and the Environment

In recent years, Ohio manufacturers have made commitments not only to building first-quality products, but also to preserving and improving Ohio's environment.

Solid Waste Recycling and Reduction

Ohio manufacturers are leading the way in solid waste reduction and recycling. Reduction and recycling include source reduction activities, reuse, recycling, composting and incineration.

Year	Tons of Waste Reduced or Recycled — Residential and Commercial	Tons of Waste Reduced or Recycled — Industrial	Total
1994	2,451,000	5,760,000	8,210,000
1995	1,942,000	6,523,000	8,465,000
1996	2,553,700	11,284,700	13,838,400
1997	2,588,861	10,286,830	12,875,699
1998	2,372,919	10,855,561	13,228,480
1999	2,461,194	10,439,358	12,900,552
2000	2,712,535	12,199,869	14,912,404
2001	2,979,310	10,564,515	13,543,825
2002	3,015,265	10,775,708	13,790,973
2003	3,124,507	9,917,779	13,042,286
2004	3,386,355	8,775,728	12,162,081

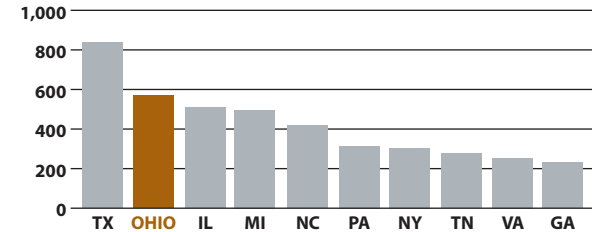
Source: 2004 Ohio EPA Summary of Reduction, Recycling and Disposal.

FACT: In 2004, more than 8 million tons of waste were reduced or recycled by industrial producers. This compares to 3 million tons by residential and commercial producers.

Ohio Manufacturing and Ohio's Economy

Manufacturing is the engine that drives Ohio's economy.

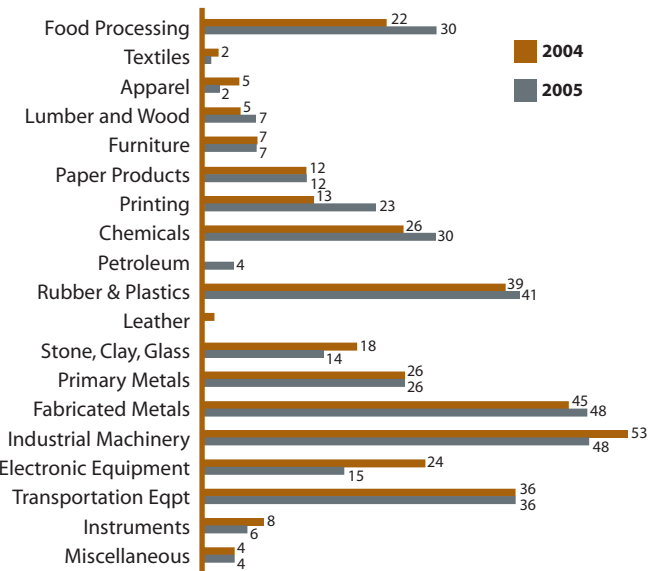
Site Selection 2005 Top Ten States



Source: Ohio Department of Development, Office of Strategic Research, Ohio Site Selection Report, March 2005.

FACT: Ohio ranked second nationally in new site selections in 2005. Manufacturing accounted for 58% of those investments.

Investment Projects by Manufacturing Sector, 2004-2005



Source: Ohio Department of Development, Office of Strategic Research

FACT: Manufacturing investments are the leading source of new Ohio private investments. In 2004 – 2005, nearly 700 major new investments were made in Ohio industrial machinery and fabricated metal manufacturers were the leading investors.

Ohio Manufacturing and Jobs

Ohio manufacturers provide well-paying jobs, helping to ensure a better quality of life for more than 1 million Ohio workers and their families.

Ohio Manufacturing: A Leader in Jobs Nationwide (March 2006)

Rank	State	Manufacturing Employment	% of total U.S. Mfg. Jobs
1	CA	1,500,000	11.4%
2	TX	900,900	6.8%
3	OH	808,500	6.1%
4	IL	681,100	5.1%
5	PA	673,300	5.1%
6	MI	664,500	5.0%
7	NC	561,800	4.3%

Total U.S. Manufacturing Jobs: 13,195,500

Source: Northeast-Midwest Institute and Bureau of Labor Statistics, 2006.

FACT: In 2006, Ohio ranked third in manufacturing employment nationally, with 6.1% of manufacturing jobs nationwide.

Ohio Manufacturing and the Environment

Ohio manufacturers have made commitments not only to building first-quality products, but also to preserving and improving Ohio's environment.

Toxic Releases to Environment (millions of pounds per year): Ten Year Trend Original Facilities and Chemicals

Environmental Medium	1995	2004
Air	50.3	27.4
Water	1.2	0.3
Deepwell Injection	11.8	8.6
Land On-Site	33.5	7.6
POTW	6.1	4.7
Transfers Off-Site for Treatment and Disposal	43	59.9
Totals	145.8	108.5

Source: Toxic Release Inventory (TRI), Ohio EPA

FACT: Ohio manufacturers have made tremendous efforts in reducing toxic releases to the environment. Since 1995, the amount of chemicals released has decreased by 25% and since 1987, decreased by 71% (based on comparison of originally monitored chemicals and industries).

Ohio Manufacturing and the Global Economy

Ohio manufacturing has a broad reach. Its products, made in factories throughout every Ohio county, are used around the world.

Ohio's Top 5 Exporting Industries (2005)

Machinery	\$ 8,938,283,736
Motor Vehicles	\$ 8,870,928,084
Electrical Machinery	\$ 2,159,076,061
Plastics	\$ 1,658,197,305
Optic, Medical Equipment	\$ 1,217,659,751

Source: Ohio Department of Development, Office of Strategic Research, Ohio Exports 2005

FACT: Ohio's four leading export industries — machinery, motor vehicles, electrical machinery and plastics — account for about three-fifths of the value of Ohio's direct exports.

Ohio Manufacturing and Jobs

Ohio manufacturers provide well-paying jobs, helping to ensure a better quality of life for more than 800,000 Ohio workers and their families.

Manufacturing Jobs Key to Ohio Employment

Industry	Number of Workers	% of Total Ohio Jobs
Manufacturing	823,048	15.8%
Government	680,562	13.0%
Healthcare and Social	650,100	12.5%
Retail	621,595	11.9%
Accommodation/Food Services	426,608	8.1%
Administration/Waste Services	306,145	5.9%
Construction	234,580	4.4%
Finance/Insurance	231,760	4.4%
Wholesale Trade	231,720	4.4%
Professional/Tech Services	224,860	4.3%
Transportation/Warehousing	157,987	3%
Education Services	82,574	1.6%
Utilities	20,430	.4%
Agriculture	14,457	.3%
Mining	11,018	.2%

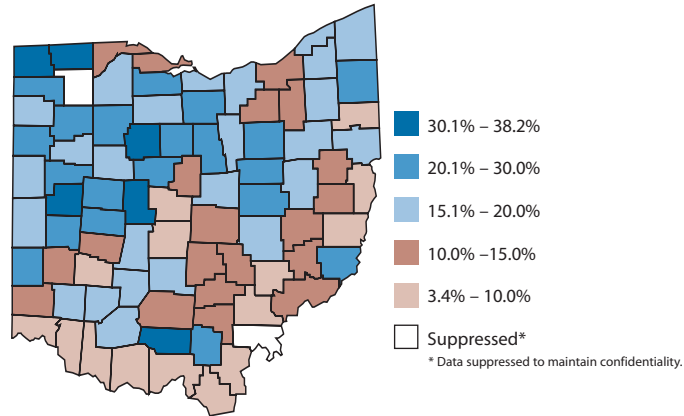
Source: Source: Ohio Bureau of Labor Market Information 2005. Average monthly employment by major industrial sectors.

FACT: Ohio manufacturing employs more than 800,000 workers. Nearly 16% of all Ohio workers are employed in manufacturing.

Ohio Manufacturing and Jobs

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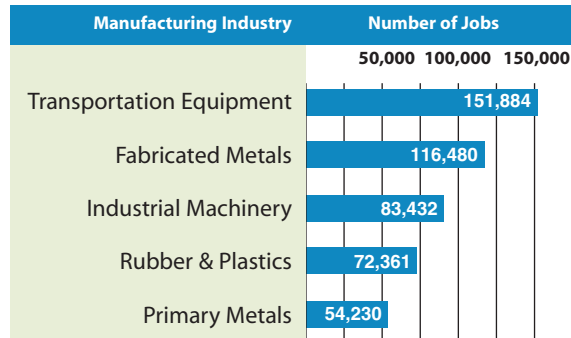
Percent of Manufacturing Employment of Total County Employment (2003)



Source: U.S. Bureau of Economic Analysis, Ohio Department of Development, Office of Strategic Research (June 2005)

FACT: In more than half of Ohio's 88 counties, 15% or more of all workers are employed in manufacturing.

Traditional Industries are Job Producers



Source: Ohio Bureau of Labor Market Information 2006.

FACT: More than half of all manufacturing jobs in Ohio are in the traditional industries that provide a foundation for the state's economy.

Ohio Manufacturing and the Global Economy

Ohio manufacturing has a broad reach. Its products, made in factories throughout every Ohio county, are used around the world.

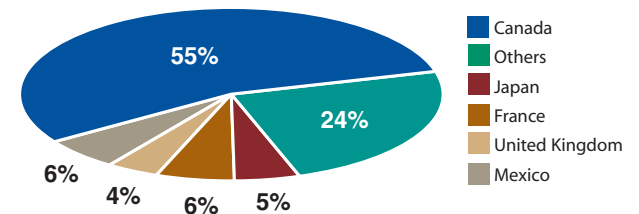
State Exports to the World (2005)

Rank	State	Exports
1	TX	\$ 128,761,036,151
2	CA	\$ 116,818,585,165
3	NY	\$ 50,492,176,404
4	WA	\$ 37,948,360,874
5	MI	\$ 37,584,052,274
6	IL	\$ 35,868,406,183
7	OH	\$ 34,800,926,215
8	FL	\$ 33,377,054,012
9	PA	\$ 22,270,841,318
10	MA	\$ 22,042,806,091

Source: International Trade Administration, Department of Commerce.

FACT: In 2005, Ohio ranked seventh in exports to the world. Sixty-seven percent of Ohio manufacturing companies with one hundred or more employees are engaged in some form of export.

Ohio's Top Export Markets (2005)



Source: Ohio Department of Development, Office of Strategic Research, Ohio Exports 2005

FACT: In 2005, Ohio exported goods to 209 countries.

Ohio Manufacturing: Earnings and Wages

Competitive wages in manufacturing contribute to a sound economic base in Ohio.

Average Weekly Earnings of Production or Nonsupervisory Workers by Economic Sector in Ohio (2005)

Rank	Sector	Avg. Weekly Earnings
1	Construction	\$813.32
2	Manufacturing	\$789.50
3	Wholesale Trade	\$619.01
4	Finance, Insurance, Real Estate	\$591.15
5	Health Care and Social	\$483.56
6	Trade, Transportation and Utility	\$441.16
7	Retail	\$324.28
8	Wholesale Trade	\$408.58

Source: Ohio Bureau of Labor Market Information Division, 2006.

FACT: Manufacturing's average wages are exceeded only by construction.

Average Weekly Earnings within the manufacturing sector (2005)

Durable Goods	\$ 866.04
Transportation Equipment	\$1119.21
Motor Vehicle Parts	\$1083.17
Primary Metals	\$ 994.75
Machinery Manufacturing	\$ 692.60
Machine Shops and Threaded Products	\$ 656.21
Fabricated Metal Products	\$ 632.02
Non-durable Goods	\$ 609.52
Chemical Manufacturing	\$ 760.51
Plastics and Rubber Products	\$ 593.87
Food Manufacturing	\$ 575.08
Plastics Products	\$ 567.53

Source: Ohio Bureau of Labor Market Information Division, 2006.

FACT: The transportation equipment, primary metals and chemical manufacturers support the highest wage rates in the state.

Ohio Manufacturing and Jobs

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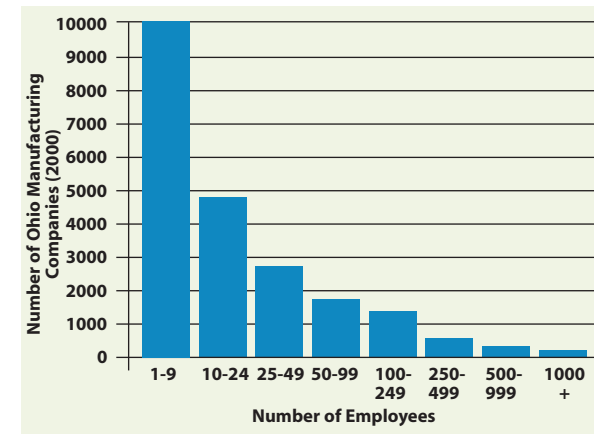
Manufacturing is Big Business in Ohio

Rank/Company (2005)	Estimated Employees in Ohio
1 General Motors Corp.	21,900
2 General Electric Co.	20,000
3 Honda Motor Co., LTD.	16,000
4 Ford Motor Co.	15,000
5 Procter & Gamble	14,500
6 Delphi Automotive	11,800
7 Daimler Chrysler	9,200
8 Whirlpool Corporation	8,600
9 Masco	6,400
10 The Timken Company	6,160

Source: Ohio Department of Development, Office of Strategic Research, Major Ohio Employers, 2005.

FACT: Many large, global industrial enterprises maintain a significant presence in Ohio.

And Manufacturing is Small Business in Ohio



Source: 2006 Harris Ohio Industrial Directory.

FACT: Out of Ohio's 21,442 manufacturing establishments, only 293 employ more than 500 workers. In fact, 82% of Ohio manufacturing companies employ fewer than 50 workers. These small businesses make a major contribution to their local communities in job creation and taxes.

Ohio Manufacturing: Earnings and Wages

Competitive wages in manufacturing contribute to a sound economic base in Ohio.

Ohio Manufacturing: A Leader in Wages Nationwide

Rank	State	Avg. Hourly Earnings
1	MI	\$21.55
2	WA	\$19.62
3	CT	\$19.46
4	OH	\$19.20
5	IN	\$18.65
6	LA	\$18.30

Source: Northeast-Midwest Institute and Bureau of Labor Statistics, November 2006.

FACT: In 2006, Ohio ranked fourth nationwide in average hourly earnings paid to manufacturing production workers.

Ohio Manufacturing: Earnings and Wages

Competitive wages in manufacturing contribute to a sound economic base in Ohio.

Ohio Annual Payroll by Economic Sector (in thousands) (2004)

Manufacturing	\$ 39,099,737
Government	\$ 25,438,741
Healthcare and Social	\$ 22,642,796
Transportation and Warehousing	\$ 14,135,512
Finance, Insurance	\$ 12,127,388
Professional and Tech Services	\$ 11,674,816
Wholesale Trade	\$ 11,558,709
Agriculture Services	\$ 9,199,203

Source: Ohio Bureau of Employment Services, Labor Market Information Division, 2006.

FACT: Ohio manufacturing leads all economic sectors in total state payroll.