

Toledo, OH

Advanced industries employ

28,180

full-time workers. (2013)

These direct jobs supports an additional

22,540

indirect jobs in other industries in
the region.

Advanced industries produce

\$5.7

billion dollars in output in the region.
(2013, 2005 Chained)

Advanced industries pay, on average

\$73,400

dollars per year (2013).

Advanced industries directly
account for

9.4%

of all jobs in the region.

This employment share is

#30

among all large metros.

This accounts for

19.9%

of all output in the region (2013).

This compares to average pay of

\$43,030

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

7.1%

2.7%

Toledo, OH

U.S.

OUTPUT

7.7%

3.8%

Toledo, OH

U.S.

What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

For More Information

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www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

Toledo, OH

Twenty-Five Largest Advanced Industries (2013)

There are 12 advanced industries in Toledo, OH with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2013)	Industry Location Quotient (LQ) † 2013	Industry Share of Total Advanced Industries Employment (2013)	Industry Employment Annual Growth 2010-2013	Industry Share of Total Advanced Industries Output (2013)	Industry Output Annual Growth 2010-2013
3363	Motor Vehicle Parts	7,320	6.81	26.0%	14.8%	17.5%	25.0%
3361	Motor Vehicles	3,190	8.09	11.3%	14.3%	10.7%	24.7%
5413	Architecture & Engineering	2,750	0.97	9.8%	-0.4%	6.1%	-0.8%
3279	Stone & Mineral Products	1,500	10.27	5.3%	2.4%	3.3%	6.7%
3241	Petroleum & Coal Products	1,250	5.26	4.4%	2.2%	21.8%	-2.6%
5416	Management Consulting	1,250	0.50	4.4%	10.3%	3.0%	7.8%
3344	Semiconductors	1,170	1.48	4.2%	-0.6%	1.8%	-2.8%
5415	Computer Systems Design	1,040	0.29	3.7%	9.2%	3.2%	11.6%
3362	Motor Vehicle Body & Trailers	1,030	3.59	3.6%	22.6%	2.4%	35.1%
3339	General Purpose Machinery	760	1.42	2.7%	8.2%	1.5%	12.5%
2211	Power Generation & Supply	630	0.76	2.2%	-4.2%	8.2%	7.9%
6215	Medical and Diagnostic Laboratories	460	0.89	1.6%	3.1%	0.7%	5.1%
3311	Iron & Steel Products	460	2.38	1.6%	-1.1%	1.1%	7.1%
3315	Foundries	400	1.51	1.4%	0.4%	0.6%	6.0%
3253	Pesticides & Fertilizers	390	4.91	1.4%	2.5%	1.7%	0.5%
5417	R&D Services	370	0.28	1.3%	-1.0%	1.1%	2.8%
3359	Misc. Electrical Equipment	370	1.38	1.3%	6.7%	0.9%	4.0%
3399	Misc. Manufacturing	350	0.60	1.2%	7.7%	0.4%	7.5%
5179	Other telecommunications	340	1.88	1.2%	2.0%	1.1%	0.9%
3259	Misc. Chemicals	300	1.72	1.1%	1.8%	1.3%	1.4%
3391	Medical Equipment & Supplies	290	0.45	1.0%	-3.2%	0.6%	-3.6%
3332	Industrial Machinery	290	1.27	1.0%	2.6%	0.6%	7.5%
3352	Household Appliances	270	2.19	1.0%	6.6%	0.7%	4.1%
3364	Aircraft Products & Parts	240	0.23	0.8%	8.0%	2.5%	16.5%
3251	Basic Chemicals	230	0.77	0.8%	4.2%	1.8%	8.9%
Advanced industries manufacturing		20,970	1.82	74.4%	8.7%	75.2%	8.5%
Advanced industries energy		660	0.49	2.3%	-4.0%	8.3%	7.8%
Advanced industries services		6,550	0.50	23.3%	3.8%	16.5%	4.5%
ADVANCED INDUSTRIES TOTAL		28,180	1.09	100.0%	7.1%	100.0%	7.7%

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.