

Lima, OH

Advanced industries employ

4,880

full-time workers. (2013)

These direct jobs supports an additional

3,900

indirect jobs in other industries in the region.

Advanced industries produce

\$1.1

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

Advanced industries pay, on average

\$74,050

dollars per year (2013).

Advanced industries directly account for

9.1%

of all jobs in the region.

This employment share is

#63

among all small metros.

This accounts for

21.7%

of all output in the region (2013).

This compares to average pay of

\$40,030

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.4%

2.7%

OUTPUT

4.6%

3.8%

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U.S.

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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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DATA NOTES

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

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Twenty-Five Largest Advanced Industries (2013)

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	1,550	8.01	31.7%	8.6%	18.0%	24.2%
3251	Basic Chemicals	480	8.88	9.9%	0.9%	16.5%	3.9%
3361	Motor Vehicles	430	6.13	8.9%	-4.7%	7.4%	9.4%
3241	Petroleum & Coal Products	280	6.62	5.8%	6.0%	24.8%	1.0%
3362	Motor Vehicle Body & Trailers	200	3.85	4.1%	-13.1%	2.1%	1.2%
3369	Misc. Transportation Equipment	190	16.04	4.0%	-17.1%	3.0%	-25.3%
6215	Medical and Diagnostic Laboratories	190	2.08	4.0%	-3.4%	1.4%	-1.6%
5413	Architecture & Engineering	180	0.35	3.6%	3.2%	1.9%	1.3%
5417	R&D Services	160	0.67	3.3%	3.3%	2.3%	6.0%
3315	Foundries	150	3.16	3.1%	1.8%	1.5%	7.9%
5191	Web Search Portals and Internet Publishing	140	1.84	2.8%	-3.4%	1.5%	-5.6%
3399	Misc. Manufacturing	100	0.95	2.0%	2.8%	0.7%	2.3%
3259	Misc. Chemicals	90	2.85	1.8%	13.8%	1.8%	12.1%
3364	Aircraft Products & Parts	80	0.41	1.6%	-5.0%	4.2%	7.2%
5416	Management Consulting	80	0.17	1.6%	33.4%	0.9%	28.3%
3332	Industrial Machinery	70	1.81	1.5%	7.4%	0.9%	12.9%
3252	Resins & Synthetic Rubbers	70	2.03	1.5%	2.5%	2.0%	4.7%
3253	Pesticides & Fertilizers	70	4.86	1.4%	2.5%	1.3%	0.0%
5415	Computer Systems Design	60	0.09	1.2%	18.6%	0.9%	20.1%
3339	General Purpose Machinery	50	0.51	1.0%	7.9%	0.5%	11.9%
2211	Power Generation & Supply	40	0.24	0.7%	-3.5%	2.5%	8.9%
3254	Pharmaceuticals	40	0.34	0.7%	1.9%	1.6%	6.7%
3391	Medical Equipment & Supplies	30	0.29	0.7%	-2.9%	0.4%	-4.3%
5172	Wireless Telecom Carriers	20	0.41	0.5%	-8.2%	0.4%	-5.7%
3344	Semiconductors	20	0.13	0.4%	3.8%	0.1%	2.2%
Advanced industries manufacturing		4,000	1.93	82.0%	1.3%	87.9%	4.7%
Advanced industries energy		40	0.15	0.7%	-3.5%	2.5%	8.9%
Advanced industries services		840	0.36	17.3%	2.2%	9.6%	3.0%
ADVANCED INDUSTRIES TOTAL		4,880	1.05	100.0%	1.4%	100.0%	4.6%

† 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.