

Muncie, IN

Advanced industries employ

3,060

full-time workers. (2013)

These direct jobs supports an additional

2,450

indirect jobs in other industries in the region.

Advanced industries produce

\$0.5

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

Advanced industries pay, on average

\$55,730

dollars per year (2013).

Advanced industries directly account for

6.0%

of all jobs in the region.

This employment share is

#142

among all small metros.

This accounts for

13.2%

of all output in the region (2013).

This compares to average pay of

\$34,980

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.0%

2.7%

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U.S.

OUTPUT

4.8%

3.8%

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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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www.brookings.edu/advancedindustries

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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	760	4.13	24.6%	12.9%	26.3%	14.2%
5415	Computer Systems Design	610	1.00	20.0%	2.3%	18.0%	4.7%
5413	Architecture & Engineering	220	0.46	7.3%	13.1%	5.0%	14.8%
3361	Motor Vehicles	190	2.89	6.3%	23.1%	7.7%	19.8%
3315	Foundries	130	2.98	4.4%	-6.7%	2.6%	-11.6%
6215	Medical and Diagnostic Laboratories	120	1.36	3.9%	-27.0%	1.9%	-24.8%
3362	Motor Vehicle Body & Trailers	100	2.14	3.4%	24.4%	1.8%	18.7%
3339	General Purpose Machinery	100	1.05	3.1%	3.7%	2.8%	2.0%
3336	Engine & Power Equipment	80	2.20	2.6%	3.6%	2.7%	3.8%
3345	Precision Instruments	80	0.57	2.6%	4.6%	1.6%	1.1%
5417	R&D Services	80	0.35	2.6%	3.1%	2.2%	12.4%
2211	Power Generation & Supply	70	0.46	2.1%	-7.8%	5.3%	-7.1%
5416	Management Consulting	60	0.14	1.9%	-9.4%	1.5%	-7.6%
3313	Aluminum Products	50	2.42	1.7%	-3.1%	1.0%	-6.8%
5179	Other telecommunications	50	1.58	1.6%	8.1%	1.3%	3.7%
3311	Iron & Steel Products	50	1.44	1.5%	-2.7%	1.7%	-4.0%
3391	Medical Equipment & Supplies	40	0.33	1.2%	-2.6%	1.7%	-3.7%
3241	Petroleum & Coal Products	40	0.87	1.1%	6.5%	5.4%	11.5%
3279	Stone & Mineral Products	30	1.24	1.0%	4.7%	0.7%	14.3%
3333	Commercial & Service Machinery	30	0.99	1.0%	2.2%	0.8%	-2.9%
3331	Agri., Constr., Mining Machinery	20	0.25	0.7%	3.2%	0.5%	-1.3%
3271	Clay Product and Refractory Manufacturing	20	1.36	0.6%	3.8%	0.3%	9.9%
5172	Wireless Telecom Carriers	20	0.34	0.6%	8.2%	0.8%	7.8%
5182	Data Processing & Hosting	20	0.19	0.6%	6.3%	0.5%	10.9%
3254	Pharmaceuticals	20	0.16	0.5%	-2.0%	2.5%	-1.8%
Advanced industries manufacturing		1,800	0.92	58.6%	8.1%	62.2%	8.2%
Advanced industries energy		70	0.28	2.1%	-9.6%	5.3%	-7.5%
Advanced industries services		1,200	0.54	39.2%	-2.3%	32.5%	1.7%
ADVANCED INDUSTRIES TOTAL		3,060	0.69	100.0%	3.0%	100.0%	4.8%

† 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.