

Monroe, MI

Advanced industries employ

5,340

full-time workers. (2013)

These direct jobs supports an additional

4,270

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.4

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

Advanced industries pay, on average

\$94,040

dollars per year (2013).

Advanced industries directly
account for

12.5%

of all jobs in the region.

This employment share is

#20

among all small metros.

This accounts for

31.7%

of all output in the region (2013).

This compares to average pay of

\$44,760

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

6.8%

2.7%

Monroe, MI

U.S.

OUTPUT

4.6%

3.8%

Monroe, MI

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.

Monroe, MI

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
2211	Power Generation & Supply	1,570	13.21	29.4%	0.2%	55.2%	0.2%
3363	Motor Vehicle Parts	950	6.15	17.7%	16.1%	15.1%	16.1%
5413	Architecture & Engineering	710	1.76	13.4%	6.8%	6.2%	4.9%
5416	Management Consulting	360	1.00	6.7%	53.2%	3.3%	44.7%
3279	Stone & Mineral Products	230	10.98	4.3%	-1.3%	2.2%	-5.0%
3315	Foundries	210	5.61	4.0%	4.5%	1.1%	5.2%
3339	General Purpose Machinery	200	2.63	3.8%	3.3%	1.6%	6.9%
3361	Motor Vehicles	170	3.09	3.3%	9.1%	4.3%	11.5%
3313	Aluminum Products	160	9.03	3.0%	3.1%	1.6%	12.7%
3332	Industrial Machinery	160	4.86	2.9%	-0.8%	1.4%	2.0%
5417	R&D Services	140	0.72	2.6%	6.6%	1.7%	7.1%
3311	Iron & Steel Products	110	4.07	2.1%	3.8%	2.1%	8.4%
3362	Motor Vehicle Body & Trailers	60	1.39	1.1%	35.3%	0.6%	26.7%
5415	Computer Systems Design	60	0.11	1.0%	1.9%	0.6%	0.7%
6215	Medical and Diagnostic Laboratories	50	0.62	0.9%	1.5%	0.3%	4.0%
3344	Semiconductors	30	0.22	0.5%	4.4%	0.2%	1.3%
5182	Data Processing & Hosting	20	0.24	0.4%	33.4%	0.1%	39.2%
3271	Clay Product and Refractory Manufacturing	20	1.28	0.3%	0.0%	0.1%	6.0%
3364	Aircraft Products & Parts	20	0.10	0.3%	28.9%	0.1%	23.8%
3254	Pharmaceuticals	10	0.17	0.3%	11.9%	0.2%	8.0%
5172	Wireless Telecom Carriers	10	0.26	0.2%	26.0%	0.1%	29.2%
3331	Agri., Constr., Mining Machinery	10	0.15	0.2%	0.0%	0.1%	0.0%
5152	Cable and Other Subscription Programming	10	0.46	0.2%	35.7%	0.2%	41.1%
3399	Misc. Manufacturing	10	0.11	0.2%	8.7%	0.1%	5.0%
3259	Misc. Chemicals	10	0.32	0.1%	4.6%	0.1%	14.2%
Advanced industries manufacturing		2,390	1.45	44.8%	8.1%	31.3%	10.7%
Advanced industries energy		1,590	8.26	29.7%	0.2%	55.7%	0.2%
Advanced industries services		1,360	0.73	25.5%	14.1%	13.1%	13.0%
ADVANCED INDUSTRIES TOTAL		5,340	1.44	100.0%	6.8%	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.