

Bay City, MI

Advanced industries employ

3,140

full-time workers. (2013)

These direct jobs supports an additional

2,510

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

\$89,800

dollars per year (2013).

Advanced industries directly
account for

8.2%

of all jobs in the region.

This employment share is

#73

among all small metros.

This accounts for

15.6%

of all output in the region (2013).

This compares to average pay of

\$39,170

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.2%

2.7%

Bay City, MI

U.S.

OUTPUT

1.7%

3.8%

Bay City, 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.

Bay City, 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
5415	Computer Systems Design	1,360	2.95	43.3%	4.0%	34.7%	2.6%
3363	Motor Vehicle Parts	460	3.32	14.6%	8.5%	19.8%	8.4%
3252	Resins & Synthetic Rubbers	180	7.17	5.7%	-3.3%	6.8%	-5.2%
5413	Architecture & Engineering	110	0.30	3.4%	-4.5%	2.2%	-6.7%
3339	General Purpose Machinery	90	1.30	2.9%	-0.7%	1.9%	2.4%
5416	Management Consulting	90	0.26	2.7%	22.7%	1.8%	15.5%
3359	Misc. Electrical Equipment	80	2.46	2.7%	1.2%	2.5%	-7.2%
3332	Industrial Machinery	80	2.73	2.5%	18.9%	1.8%	21.6%
3361	Motor Vehicles	70	1.42	2.3%	2.9%	4.8%	5.2%
3315	Foundries	70	2.03	2.2%	-2.3%	1.4%	0.2%
5172	Wireless Telecom Carriers	60	1.51	2.0%	-3.9%	1.6%	-1.1%
3353	Electrical Equipment	50	1.23	1.5%	-22.5%	1.6%	-26.7%
2211	Power Generation & Supply	50	0.42	1.4%	-6.5%	4.3%	-6.7%
3254	Pharmaceuticals	40	0.49	1.2%	27.1%	1.3%	28.5%
5417	R&D Services	40	0.21	1.2%	32.2%	1.1%	33.0%
3391	Medical Equipment & Supplies	40	0.43	1.1%	7.5%	1.0%	5.5%
3344	Semiconductors	30	0.30	1.0%	1.1%	0.5%	-1.2%
3331	Agri., Constr., Mining Machinery	30	0.43	0.9%	5.1%	0.7%	6.3%
6215	Medical and Diagnostic Laboratories	30	0.42	0.9%	8.4%	0.6%	11.7%
3362	Motor Vehicle Body & Trailers	30	0.71	0.8%	29.4%	0.7%	20.0%
5112	Software Products	30	0.31	0.8%	-1.3%	4.4%	8.0%
3279	Stone & Mineral Products	20	1.22	0.7%	-1.4%	0.5%	-6.1%
5182	Data Processing & Hosting	20	0.32	0.7%	6.6%	0.3%	9.4%
3345	Precision Instruments	20	0.17	0.6%	-3.5%	0.3%	-4.3%
3352	Household Appliances	10	0.76	0.4%	-20.6%	0.6%	-36.1%
Advanced industries manufacturing		1,350	0.91	43.0%	2.5%	48.4%	1.1%
Advanced industries energy		50	0.30	1.7%	-5.2%	4.5%	-6.4%
Advanced industries services		1,740	1.03	55.3%	4.1%	47.2%	3.3%
ADVANCED INDUSTRIES TOTAL		3,140	0.94	100.0%	3.2%	100.0%	1.7%

† 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.