

Kalamazoo, MI

Advanced industries employ

14,750

full-time workers. (2013)

These direct jobs supports an additional

11,800

indirect jobs in other industries in
the region.

Advanced industries produce

\$2.6

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

Advanced industries pay, on average

\$82,310

dollars per year (2013).

Advanced industries directly

account for

10.4%

of all jobs in the region.

This employment share is

#44

among all small metros.

This accounts for

18.9%

of all output in the region (2013).

This compares to average pay of

\$44,260

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.4%

2.7%

Kalamazoo, MI

U.S.

OUTPUT

0.7%

3.8%

Kalamazoo, 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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

Kalamazoo, 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
3391	Medical Equipment & Supplies	2,690	8.85	18.3%	4.5%	14.7%	3.5%
3254	Pharmaceuticals	2,490	9.06	16.9%	1.2%	17.7%	-0.9%
3363	Motor Vehicle Parts	1,170	2.30	7.9%	-2.3%	11.7%	-0.9%
5413	Architecture & Engineering	1,020	0.76	6.9%	7.9%	4.5%	6.7%
5417	R&D Services	960	1.51	6.5%	-1.3%	5.5%	-1.0%
2211	Power Generation & Supply	900	2.29	6.1%	-1.3%	16.5%	-1.4%
3339	General Purpose Machinery	880	3.47	6.0%	5.7%	3.5%	9.2%
3399	Misc. Manufacturing	680	2.47	4.6%	5.8%	2.6%	7.5%
5416	Management Consulting	560	0.47	3.8%	9.5%	2.7%	4.2%
3364	Aircraft Products & Parts	480	0.97	3.2%	7.3%	2.3%	6.0%
3252	Resins & Synthetic Rubbers	390	4.25	2.7%	2.6%	2.9%	-2.9%
5415	Computer Systems Design	370	0.22	2.5%	-0.5%	2.1%	-0.7%
3313	Aluminum Products	330	5.62	2.2%	8.2%	1.6%	14.7%
3331	Agri., Constr., Mining Machinery	270	1.07	1.8%	20.1%	1.2%	21.1%
5172	Wireless Telecom Carriers	160	1.01	1.1%	-12.1%	0.8%	-9.3%
6215	Medical and Diagnostic Laboratories	140	0.59	1.0%	5.4%	0.6%	7.0%
3361	Motor Vehicles	140	0.74	0.9%	-8.7%	2.1%	-5.3%
3332	Industrial Machinery	130	1.20	0.9%	-2.3%	0.6%	0.4%
3344	Semiconductors	120	0.32	0.8%	4.6%	0.4%	2.0%
3251	Basic Chemicals	110	0.79	0.8%	-3.0%	0.3%	-19.4%
3333	Commercial & Service Machinery	110	1.26	0.7%	4.6%	0.5%	3.9%
3259	Misc. Chemicals	100	1.19	0.7%	2.1%	0.6%	7.6%
5112	Software Products	80	0.26	0.5%	-14.1%	1.9%	-6.0%
3362	Motor Vehicle Body & Trailers	70	0.50	0.5%	11.5%	0.4%	6.7%
3366	Ships & Boats	60	0.47	0.4%	5.6%	0.1%	2.7%
Advanced industries manufacturing		10,530	1.94	71.4%	2.8%	65.1%	1.3%
Advanced industries energy		910	1.43	6.1%	-1.3%	16.5%	-1.4%
Advanced industries services		3,310	0.54	22.5%	2.0%	18.4%	0.3%
ADVANCED INDUSTRIES TOTAL		14,750	1.20	100.0%	2.4%	100.0%	0.7%

† 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.