

Muskegon, MI

Advanced industries employ

8,261

full-time workers. (2015)

These direct jobs supports an additional

6,610

indirect jobs in other industries in the region.

Advanced industries produce

\$1.3

billion dollars in output in the region.
(2015, 2009 Chained)

Advanced industries pay, on average

\$66,794

dollars per year (2015).

Advanced industries directly account for

12.7%

of all jobs in the region.

This employment share is

#21

among all small metros.

This accounts for

22.9%

of all output in the region (2015).

This compares to average pay of

\$41,427

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#217

2.70%

JOBS

RANK:
#62

4.01%

2.46%

-0.39%

Muskegon, MI

U.S.

Muskegon, 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.

Muskegon, MI

Twenty-Five Largest Advanced Industries (2015)

There are 9 advanced industries in Muskegon, MI with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010- 2013	2013- 2015		2010- 2013	2013- 2015
3315	Foundries	3,530	64.65	42.8%	7.2%	0.5%	30.4%	14.1%	-7.3%
3363	Motor Vehicle Parts	1,400	5.61	16.9%	10.7%	24.6%	24.7%	15.6%	18.3%
3251	Basic Chemicals	1,010	15.40	12.2%	10.7%	-4.2%	10.6%	4.4%	-6.2%
2211	Power Generation & Supply	260	1.49	3.1%	3.5%	-0.8%	8.9%	2.4%	-4.1%
3399	Misc. Manufacturing	230	1.89	2.8%	1.0%	5.1%	2.3%	-3.9%	8.3%
3331	Agri., Constr., Mining Machinery	220	2.12	2.7%	4.7%	3.1%	1.7%	4.8%	-9.1%
5413	Engineering	180	0.28	2.1%	0.8%	2.0%	1.6%	-2.1%	5.0%
5417	R&D Services	140	0.48	1.7%	-1.2%	1.4%	1.9%	-2.3%	6.1%
3336	Engine & Power Equipment	120	2.71	1.5%	5.1%	3.0%	1.0%	6.3%	-5.4%
3254	Pharmaceuticals	100	0.84	1.2%	-24.1%	3.0%	2.0%	-16.5%	-12.6%
5415	Computer Systems Design	100	0.12	1.2%	9.8%	5.9%	1.1%	10.0%	11.7%
3313	Aluminum Products	100	3.62	1.1%	9.8%	0.5%	1.6%	26.5%	5.5%
3339	General Purpose Machinery	100	0.81	1.1%	-12.3%	-2.5%	0.7%	-10.3%	-4.7%
3259	Misc. Chemicals	70	2.00	0.9%	11.7%	-3.9%	1.2%	18.6%	-17.6%
3361	Motor Vehicles	60	0.70	0.8%	2.9%	62.0%	0.9%	9.8%	14.3%
3332	Industrial Machinery	60	1.17	0.7%	0.5%	-7.6%	0.6%	3.0%	1.3%
3252	Resins & Synthetic Rubbers	60	1.38	0.7%	-18.1%	-4.1%	1.2%	-13.8%	-16.3%
3359	Misc. Electrical Equipment	60	0.96	0.7%	0.6%	1.9%	0.6%	-4.9%	-0.6%
3333	Commercial & Service Machinery	50	1.20	0.6%	9.6%	-3.0%	0.4%	9.2%	-5.4%
3352	Household Appliances	40	1.55	0.5%	7.1%	24.7%	0.5%	-9.9%	-4.6%
3279	Stone & Mineral Products	30	1.04	0.4%	28.1%	27.2%	0.3%	25.4%	16.8%
3362	Motor Vehicle Body & Trailers	30	0.48	0.4%	26.0%	63.3%	0.3%	23.7%	23.4%
3344	Semiconductors	30	0.19	0.4%	5.7%	9.2%	0.3%	9.2%	9.6%
3364	Aircraft Products & Parts	30	0.14	0.4%	10.1%	60.7%	0.5%	14.9%	25.8%
3366	Ships & Boats	30	0.51	0.4%	16.3%	65.1%	0.2%	26.5%	17.1%
IFG	Advanced industries manufacturing	7,480	3.04	90.5%	6.1%	4.4%	84.1%	9.0%	-0.4%
	Advanced industries energy	270	0.99	3.3%	3.3%	-0.9%	9.5%	2.3%	-4.2%
	Advanced industries services	510	0.17	6.2%	1.9%	1.2%	6.5%	-0.6%	5.5%
ADVANCED INDUSTRIES TOTAL		8,260	1.46	100.0%	5.7%	4.0%	100.0%	7.6%	-0.4%

† 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.