

Midland, MI

Advanced industries employ

6,452

full-time workers. (2015)

These direct jobs supports an additional

5,160

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

\$102,869

dollars per year (2015).

Advanced industries directly
account for

16.3%

of all jobs in the region.

This employment share is

#7

among all small metros.

This accounts for

33.2%

of all output in the region (2015).

This compares to average pay of

\$54,858

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

RANK:
#185

2.70%

2.82%

RANK:
#92

2.46%

0.54%

Midland, MI

U.S.

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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.

Midland, MI

Twenty-Five Largest Advanced Industries (2015)

There are 10 advanced industries in Midland, 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
3252	Resins & Synthetic Rubbers	2,240	88.63	34.8%	29.1%	-0.3%	28.8%	17.3%	-4.9%
3363	Motor Vehicle Parts	1,230	8.12	19.1%	8.4%	2.2%	21.3%	13.8%	-1.2%
5191	Web Search Portals and Internet Publishing	580	8.89	9.0%	483.8%	71.0%	7.2%	292.3%	79.8%
3254	Pharmaceuticals	580	7.67	8.9%	-30.8%	-0.3%	7.1%	-34.4%	-5.9%
3361	Motor Vehicles	310	5.66	4.9%	3.5%	1.6%	7.9%	10.0%	-3.2%
5413	Engineering	250	0.67	3.9%	2.4%	-18.5%	3.1%	0.3%	-4.4%
2211	Power Generation & Supply	210	1.99	3.3%	-0.2%	1.2%	7.3%	-1.2%	-3.7%
5416	Management Consulting	190	0.56	3.0%	9.9%	1.6%	1.7%	3.4%	-4.0%
3362	Motor Vehicle Body & Trailers	110	2.82	1.8%	27.2%	2.3%	1.5%	23.0%	4.6%
3364	Aircraft Products & Parts	90	0.68	1.4%	19.8%	2.3%	2.3%	25.4%	6.6%
3241	Petroleum & Coal Products	90	2.88	1.3%	9.9%	5.1%	4.2%	37.0%	7.2%
3359	Misc. Electrical Equipment	70	1.94	1.1%	75.6%	2.3%	0.7%	81.6%	-5.3%
5417	R&D Services	70	0.37	1.0%	-0.5%	-0.8%	0.9%	-0.9%	3.9%
3251	Basic Chemicals	60	1.47	0.9%	-30.4%	-0.8%	0.4%	-43.6%	6.5%
5415	Computer Systems Design	50	0.10	0.8%	-19.7%	10.0%	0.5%	-19.4%	6.5%
5182	Data Processing & Hosting	40	0.47	0.6%	-21.4%	-25.2%	0.3%	-19.6%	-13.8%
3366	Ships & Boats	40	1.02	0.6%	18.6%	2.8%	0.5%	25.3%	-0.8%
5172	Wireless Telecom Carriers	30	0.89	0.5%	-9.5%	26.5%	0.4%	-1.6%	37.1%
3352	Household Appliances	30	1.82	0.5%	17.2%	1.7%	0.5%	5.8%	-6.7%
3332	Industrial Machinery	30	0.89	0.4%	24.2%	8.3%	0.2%	27.7%	0.6%
5112	Software Products	20	0.26	0.4%	-9.1%	38.4%	1.9%	-2.1%	49.6%
3279	Stone & Mineral Products	10	0.70	0.2%	2.7%	3.8%	0.1%	1.7%	-2.2%
3259	Misc. Chemicals	10	0.59	0.2%	-33.4%	0.0%	0.1%	-39.3%	-6.4%
3353	Electrical Equipment	10	0.26	0.2%	14.5%	5.4%	0.1%	22.3%	-4.6%
3315	Foundries	10	0.24	0.1%	10.1%	0.0%	0.1%	13.3%	-5.1%
IFG	Advanced industries manufacturing	4,980	3.32	77.1%	2.7%	0.8%	76.2%	1.6%	-2.7%
	Advanced industries energy	220	1.27	3.3%	0.0%	1.2%	7.3%	-1.1%	-3.6%
	Advanced industries services	1,260	0.70	19.5%	5.1%	12.6%	16.4%	4.7%	24.9%
	ADVANCED INDUSTRIES TOTAL	6,450	1.86	100.0%	3.0%	2.8%	100.0%	1.7%	0.5%

† 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.