

Saginaw, MI

Advanced industries employ

9,640

full-time workers. (2013)

These direct jobs supports an additional

7,710

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.8

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

Advanced industries pay, on average

\$61,240

dollars per year (2013).

Advanced industries directly
account for

10.9%

of all jobs in the region.

This employment share is

#37

among all small metros.

This accounts for

22.3%

of all output in the region (2013).

This compares to average pay of

\$39,390

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

5.5%

2.7%

Saginaw, MI

U.S.

OUTPUT

5.9%

3.8%

Saginaw, 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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DATA NOTES

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

Saginaw, 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
3363	Motor Vehicle Parts	3,490	10.94	36.2%	8.9%	40.9%	9.2%
3315	Foundries	1,550	19.77	16.1%	4.9%	10.0%	8.9%
3361	Motor Vehicles	840	7.20	8.7%	0.2%	15.3%	2.7%
3391	Medical Equipment & Supplies	360	1.87	3.7%	2.4%	2.8%	1.9%
5415	Computer Systems Design	350	0.33	3.6%	2.5%	3.0%	2.2%
5413	Architecture & Engineering	320	0.38	3.3%	-3.9%	2.1%	-5.0%
3279	Stone & Mineral Products	290	6.61	3.0%	-3.4%	2.1%	-6.5%
2211	Power Generation & Supply	280	1.15	2.9%	2.5%	7.4%	2.3%
3362	Motor Vehicle Body & Trailers	280	3.30	2.9%	24.0%	2.1%	16.9%
3339	General Purpose Machinery	280	1.74	2.9%	17.7%	1.6%	21.8%
3345	Precision Instruments	260	1.06	2.7%	-2.3%	1.2%	-4.8%
5416	Management Consulting	230	0.31	2.4%	5.5%	1.6%	0.3%
6215	Medical and Diagnostic Laboratories	130	0.84	1.3%	10.4%	0.7%	12.8%
3364	Aircraft Products & Parts	100	0.31	1.0%	17.6%	0.5%	14.1%
3399	Misc. Manufacturing	90	0.51	0.9%	11.4%	0.5%	13.2%
3332	Industrial Machinery	90	1.29	0.9%	6.1%	0.6%	9.2%
5172	Wireless Telecom Carriers	70	0.72	0.7%	-2.3%	0.4%	2.3%
3259	Misc. Chemicals	70	1.31	0.7%	3.7%	0.6%	8.8%
5179	Other telecommunications	60	1.06	0.6%	-3.9%	0.7%	-7.6%
5191	Web Search Portals and Internet Publishing	50	0.42	0.5%	133.6%	0.5%	143.2%
3254	Pharmaceuticals	50	0.29	0.5%	-1.3%	0.6%	-3.6%
3344	Semiconductors	50	0.21	0.5%	-0.7%	0.2%	-3.4%
3352	Household Appliances	40	1.02	0.4%	7.2%	0.4%	-8.9%
3366	Ships & Boats	40	0.45	0.4%	16.1%	0.1%	10.5%
5182	Data Processing & Hosting	30	0.19	0.3%	-11.4%	0.1%	-9.1%
Advanced industries manufacturing		8,070	2.36	83.7%	6.1%	82.2%	6.8%
Advanced industries energy		290	0.73	3.0%	2.8%	7.7%	3.1%
Advanced industries services		1,280	0.33	13.3%	2.1%	10.1%	1.4%
ADVANCED INDUSTRIES TOTAL		9,640	1.25	100.0%	5.5%	100.0%	5.9%

† 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.