

Sheboygan, WI

Advanced industries employ

4,370

full-time workers. (2013)

These direct jobs supports an additional

3,500

indirect jobs in other industries in the region.

Advanced industries produce

\$0.7

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

Advanced industries pay, on average

\$58,940

dollars per year (2013).

Advanced industries directly

account for

7.2%

of all jobs in the region.

This employment share is

#100

among all small metros.

This accounts for

13.2%

of all output in the region (2013).

This compares to average pay of

\$42,980

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

OUTPUT

5.8%

2.7%

4.2%

3.8%

Sheboygan, WI

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.

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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
3315	Foundries	1,310	24.40	30.0%	8.7%	15.2%	20.0%
3399	Misc. Manufacturing	540	4.55	12.3%	9.9%	6.6%	8.8%
5413	Architecture & Engineering	320	0.55	7.2%	2.2%	5.7%	1.6%
3252	Resins & Synthetic Rubbers	290	7.22	6.5%	3.1%	11.6%	-3.8%
3391	Medical Equipment & Supplies	170	1.30	3.9%	7.5%	2.9%	3.4%
3254	Pharmaceuticals	170	1.43	3.9%	5.2%	10.2%	1.6%
3353	Electrical Equipment	160	2.52	3.5%	1.6%	3.8%	-0.2%
2211	Power Generation & Supply	150	0.89	3.4%	0.7%	11.4%	3.4%
5416	Management Consulting	130	0.26	3.0%	6.3%	2.7%	7.0%
3339	General Purpose Machinery	130	1.17	2.9%	-0.5%	2.7%	4.6%
3344	Semiconductors	120	0.75	2.7%	4.2%	2.1%	-2.2%
3332	Industrial Machinery	120	2.52	2.6%	1.8%	2.7%	4.3%
3251	Basic Chemicals	110	1.79	2.5%	3.6%	4.5%	-1.1%
3259	Misc. Chemicals	100	2.89	2.4%	5.4%	2.5%	-2.7%
5415	Computer Systems Design	80	0.11	1.9%	21.7%	2.1%	25.3%
3345	Precision Instruments	50	0.30	1.2%	3.5%	1.2%	6.3%
3359	Misc. Electrical Equipment	50	0.85	1.1%	0.7%	0.9%	-5.1%
5179	Other telecommunications	40	1.02	0.8%	41.7%	1.3%	32.6%
3341	Computer Equipment	30	0.49	0.8%	-1.0%	0.7%	-2.5%
3331	Agri., Constr., Mining Machinery	30	0.29	0.7%	2.2%	0.7%	5.3%
3351	Electrical Lighting Equipment	30	1.28	0.6%	2.7%	0.6%	-1.8%
3253	Pesticides & Fertilizers	30	1.56	0.6%	1.4%	0.8%	-6.0%
5112	Software Products	30	0.20	0.6%	-19.0%	1.5%	-11.9%
3366	Ships & Boats	20	0.42	0.5%	12.9%	0.8%	29.2%
3369	Misc. Transportation Equipment	20	1.61	0.5%	13.6%	0.6%	13.0%
Advanced industries manufacturing		3,600	1.54	82.3%	6.3%	74.4%	4.3%
Advanced industries energy		150	0.55	3.4%	0.7%	11.4%	3.4%
Advanced industries services		620	0.23	14.3%	4.0%	14.2%	4.3%
ADVANCED INDUSTRIES TOTAL		4,370	0.83	100.0%	5.8%	100.0%	4.2%

† 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.