

Battle Creek, MI

Advanced industries employ

9,170

full-time workers. (2013)

These direct jobs supports an additional

7,340

indirect jobs in other industries in the region.

Advanced industries produce

\$1.7

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

Advanced industries pay, on average

\$49,160

dollars per year (2013).

Advanced industries directly account for

15.4%

of all jobs in the region.

This employment share is

#10

among all small metros.

This accounts for

29.7%

of all output in the region (2013).

This compares to average pay of

\$46,250

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

9.6%

2.7%

OUTPUT

7.3%

3.8%

Battle Creek, 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.

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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
3363	Motor Vehicle Parts	4,020	18.84	43.9%	8.8%	52.2%	8.7%
5416	Management Consulting	1,540	3.11	16.8%	109.3%	10.6%	95.2%
3361	Motor Vehicles	440	5.65	4.8%	3.6%	8.9%	5.9%
3352	Household Appliances	420	17.42	4.6%	12.6%	4.9%	-4.1%
3315	Foundries	310	5.94	3.4%	4.7%	1.5%	6.1%
3339	General Purpose Machinery	240	2.23	2.6%	-6.0%	1.4%	-3.2%
3359	Misc. Electrical Equipment	220	4.23	2.4%	6.2%	1.6%	2.7%
5413	Architecture & Engineering	200	0.36	2.2%	-21.3%	1.3%	-23.7%
5415	Computer Systems Design	180	0.25	1.9%	-24.2%	1.4%	-26.0%
5417	R&D Services	160	0.60	1.7%	5.6%	1.5%	4.6%
3362	Motor Vehicle Body & Trailers	150	2.68	1.7%	28.3%	1.2%	20.7%
2211	Power Generation & Supply	140	0.86	1.5%	-5.5%	4.0%	-5.5%
3353	Electrical Equipment	140	2.26	1.5%	10.8%	1.1%	10.0%
3344	Semiconductors	110	0.71	1.2%	3.9%	0.6%	1.2%
3364	Aircraft Products & Parts	80	0.40	0.9%	21.4%	0.5%	17.8%
3313	Aluminum Products	80	3.33	0.9%	5.9%	0.8%	16.6%
3399	Misc. Manufacturing	80	0.69	0.9%	-7.9%	0.5%	-8.0%
3259	Misc. Chemicals	70	1.95	0.7%	-9.3%	0.7%	-8.0%
6215	Medical and Diagnostic Laboratories	70	0.65	0.7%	1.0%	0.4%	3.4%
5172	Wireless Telecom Carriers	60	0.98	0.7%	7.3%	0.5%	10.5%
5182	Data Processing & Hosting	60	0.54	0.7%	19.2%	0.2%	23.0%
3311	Iron & Steel Products	60	1.52	0.6%	6.5%	1.0%	12.1%
3332	Industrial Machinery	50	1.21	0.6%	-1.8%	0.4%	1.2%
3391	Medical Equipment & Supplies	50	0.39	0.5%	1.4%	0.5%	-1.8%
3331	Agri., Constr., Mining Machinery	40	0.36	0.4%	-0.9%	0.3%	-0.8%
Advanced industries manufacturing		6,730	2.94	73.4%	7.0%	79.3%	6.4%
Advanced industries energy		150	0.56	1.6%	-5.0%	4.1%	-5.3%
Advanced industries services		2,290	0.88	25.0%	21.1%	16.6%	16.6%
ADVANCED INDUSTRIES TOTAL		9,170	1.78	100.0%	9.6%	100.0%	7.3%

† 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.