

Grand Rapids, MI

Advanced industries employ

48,040

full-time workers. (2013)

These direct jobs supports an additional

38,430

indirect jobs in other industries in
the region.

Advanced industries produce

\$8.1

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

Advanced industries pay, on average

\$64,670

dollars per year (2013).

Advanced industries directly
account for

9.4%

of all jobs in the region.

This employment share is

#31

among all large metros.

This accounts for

17.1%

of all output in the region (2013).

This compares to average pay of

\$42,990

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

6.7%

2.7%

Grand Rapids, MI

U.S.

OUTPUT

6.5%

3.8%

Grand Rapids, 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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www.brookings.edu/advancedindustries

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DATA NOTES

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

Grand Rapids, MI

Twenty-Five Largest Advanced Industries (2013)

There are 8 advanced industries in Grand Rapids, MI with LQs over 1.5. LQs over 1.5 indicate specialization †

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	13,470	7.34	28.0%	13.2%	38.4%	13.0%
3345	Precision Instruments	4,070	2.87	8.5%	1.9%	4.4%	-0.4%
3339	General Purpose Machinery	3,940	4.27	8.2%	9.9%	5.1%	13.4%
5413	Architecture & Engineering	3,650	0.75	7.6%	1.6%	5.3%	0.6%
3344	Semiconductors	3,300	2.45	6.9%	17.9%	3.6%	14.6%
5415	Computer Systems Design	2,680	0.44	5.6%	2.2%	5.0%	2.2%
5416	Management Consulting	1,870	0.44	3.9%	12.9%	2.9%	7.7%
3391	Medical Equipment & Supplies	1,870	1.70	3.9%	0.3%	3.4%	-2.9%
3352	Household Appliances	1,450	6.92	3.0%	8.8%	3.2%	-4.5%
3315	Foundries	1,250	2.76	2.6%	6.2%	1.5%	7.0%
3332	Industrial Machinery	1,190	3.10	2.5%	16.5%	1.7%	19.8%
2211	Power Generation & Supply	1,100	0.77	2.3%	-1.4%	6.8%	-1.3%
3254	Pharmaceuticals	860	0.86	1.8%	13.5%	2.8%	16.5%
5417	R&D Services	860	0.37	1.8%	4.9%	1.8%	6.2%
3399	Misc. Manufacturing	820	0.82	1.7%	-18.7%	1.0%	-19.0%
3362	Motor Vehicle Body & Trailers	620	1.26	1.3%	0.4%	1.1%	-5.7%
5179	Other telecommunications	430	1.39	0.9%	5.4%	1.2%	2.0%
3342	Communications Equipment	330	0.92	0.7%	7.1%	0.4%	2.6%
5182	Data Processing & Hosting	330	0.34	0.7%	7.9%	0.3%	11.3%
3251	Basic Chemicals	290	0.56	0.6%	15.0%	0.5%	3.7%
3259	Misc. Chemicals	290	0.95	0.6%	-25.5%	0.9%	-18.4%
3313	Aluminum Products	280	1.32	0.6%	18.9%	0.6%	28.9%
3364	Aircraft Products & Parts	270	0.15	0.6%	23.5%	0.4%	20.2%
3359	Misc. Electrical Equipment	270	0.59	0.6%	7.6%	0.4%	4.6%
3331	Agri., Constr., Mining Machinery	260	0.29	0.5%	2.6%	0.4%	3.6%
Advanced industries manufacturing		36,280	1.84	75.5%	7.9%	73.1%	8.0%
Advanced industries energy		1,210	0.53	2.5%	-1.3%	7.3%	-0.9%
Advanced industries services		10,550	0.47	22.0%	3.9%	19.6%	4.2%
ADVANCED INDUSTRIES TOTAL		48,040	1.08	100.0%	6.7%	100.0%	6.5%

† 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.