

Rockford, IL

Advanced industries employ

18,580

full-time workers. (2013)

These direct jobs supports an additional

14,860

indirect jobs in other industries in
the region.

Advanced industries produce

\$3.6

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

Advanced industries pay, on average

\$71,110

dollars per year (2013).

Advanced industries directly

account for

12.4%

of all jobs in the region.

This employment share is

#21

among all small metros.

This accounts for

22.6%

of all output in the region (2013).

This compares to average pay of

\$43,480

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

8.4%

2.7%

Rockford, IL

U.S.

OUTPUT

8.1%

3.8%

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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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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
3339	General Purpose Machinery	4,000	14.85	21.5%	1.1%	26.2%	7.0%
3363	Motor Vehicle Parts	3,620	6.75	19.5%	22.9%	11.2%	21.8%
3364	Aircraft Products & Parts	2,640	5.04	14.2%	18.1%	10.0%	18.7%
3361	Motor Vehicles	1,240	6.32	6.7%	26.8%	7.3%	45.7%
3345	Precision Instruments	750	1.81	4.0%	-3.1%	3.9%	-2.3%
3362	Motor Vehicle Body & Trailers	740	5.15	4.0%	27.7%	1.8%	23.0%
2211	Power Generation & Supply	610	1.48	3.3%	-3.6%	7.4%	-9.2%
5413	Architecture & Engineering	570	0.40	3.1%	-4.0%	2.5%	-5.3%
3336	Engine & Power Equipment	490	4.56	2.6%	11.2%	4.6%	15.1%
5416	Management Consulting	400	0.32	2.1%	2.4%	1.9%	-0.4%
3353	Electrical Equipment	390	2.60	2.1%	4.1%	1.3%	1.9%
3332	Industrial Machinery	340	2.99	1.8%	-3.4%	3.0%	1.9%
3251	Basic Chemicals	330	2.15	1.7%	-0.3%	3.3%	0.9%
5415	Computer Systems Design	300	0.17	1.6%	10.2%	1.7%	10.0%
3333	Commercial & Service Machinery	270	2.92	1.4%	-4.5%	2.0%	0.8%
3315	Foundries	240	1.80	1.3%	4.3%	0.5%	11.9%
3252	Resins & Synthetic Rubbers	200	2.09	1.1%	3.0%	1.6%	-0.2%
3399	Misc. Manufacturing	190	0.65	1.0%	5.9%	0.8%	8.8%
3359	Misc. Electrical Equipment	160	1.21	0.9%	7.4%	0.6%	5.8%
3391	Medical Equipment & Supplies	110	0.35	0.6%	0.6%	0.7%	3.1%
5182	Data Processing & Hosting	110	0.39	0.6%	-6.1%	0.5%	-8.0%
3352	Household Appliances	100	1.59	0.5%	10.4%	0.3%	8.3%
3365	Railroad Rolling Stock Manufacturing	100	3.77	0.5%	23.5%	0.4%	30.5%
5172	Wireless Telecom Carriers	90	0.54	0.5%	-7.2%	0.6%	-1.7%
3344	Semiconductors	80	0.19	0.4%	-7.2%	0.4%	-2.9%
Advanced industries manufacturing		16,370	2.85	88.1%	10.1%	84.5%	11.6%
Advanced industries energy		620	0.92	3.3%	-3.6%	7.4%	-9.2%
Advanced industries services		1,590	0.24	8.6%	-0.5%	8.1%	-1.1%
ADVANCED INDUSTRIES TOTAL		18,580	1.44	100.0%	8.4%	100.0%	8.1%

† 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.