

Johnstown, PA

Advanced industries employ

4,000

full-time workers. (2013)

These direct jobs supports an additional

3,200

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

\$55,880

dollars per year (2013).

Advanced industries directly account for

6.8%

of all jobs in the region.

This employment share is

#112

among all small metros.

This accounts for

13.5%

of all output in the region (2013).

This compares to average pay of

\$35,130

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-1.8%

0.5%

Johnstown, PA

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
5413	Architecture & Engineering	860	1.53	21.5%	0.2%	14.8%	0.2%
5417	R&D Services	600	2.26	15.0%	-2.9%	14.3%	-1.3%
5415	Computer Systems Design	300	0.42	7.4%	-6.6%	6.8%	-5.8%
2211	Power Generation & Supply	290	1.75	7.2%	-1.0%	20.3%	-1.8%
3364	Aircraft Products & Parts	260	1.27	6.6%	2.4%	7.2%	7.6%
3345	Precision Instruments	220	1.36	5.6%	-2.5%	4.1%	-0.7%
3311	Iron & Steel Products	210	5.59	5.3%	-5.5%	5.3%	3.4%
5416	Management Consulting	160	0.31	3.9%	-3.2%	2.9%	-4.2%
3369	Misc. Transportation Equipment	130	9.45	3.2%	-0.5%	1.4%	2.9%
3344	Semiconductors	120	0.76	3.0%	-2.7%	2.3%	-1.3%
3315	Foundries	120	2.26	3.0%	-5.3%	1.5%	6.2%
3365	Railroad Rolling Stock Manufacturing	90	8.62	2.2%	27.5%	1.2%	41.3%
2111	Oil & Gas Extraction	80	0.93	1.9%	25.5%	5.7%	51.8%
5191	Web Search Portals and Internet Publishing	70	0.90	1.9%	-0.9%	0.9%	4.7%
3362	Motor Vehicle Body & Trailers	70	1.17	1.7%	3.2%	0.5%	31.8%
3254	Pharmaceuticals	40	0.37	1.1%	-2.9%	2.6%	-6.5%
3331	Agri., Constr., Mining Machinery	40	0.41	1.1%	4.2%	0.8%	2.1%
3279	Stone & Mineral Products	40	1.45	1.1%	10.7%	0.5%	6.3%
3363	Motor Vehicle Parts	40	0.17	0.9%	5.1%	0.5%	28.8%
3313	Aluminum Products	30	1.06	0.7%	-5.7%	0.6%	4.0%
3332	Industrial Machinery	30	0.59	0.7%	4.2%	0.5%	9.8%
3399	Misc. Manufacturing	20	0.20	0.6%	-5.2%	0.4%	2.6%
3359	Misc. Electrical Equipment	20	0.36	0.5%	-32.9%	0.3%	-34.3%
3391	Medical Equipment & Supplies	20	0.13	0.4%	-29.7%	0.4%	-27.4%
6215	Medical and Diagnostic Laboratories	20	0.17	0.4%	-18.1%	0.2%	-18.7%
Advanced industries manufacturing		1,600	0.70	39.9%	-1.9%	32.3%	1.3%
Advanced industries energy		370	1.37	9.1%	2.8%	26.0%	4.1%
Advanced industries services		2,040	0.79	51.0%	-2.5%	41.7%	-2.0%
ADVANCED INDUSTRIES TOTAL		4,000	0.78	100.0%	-1.8%	100.0%	0.5%

† 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.