

Johnson City, TN

Advanced industries employ

5,570

full-time workers. (2013)

These direct jobs supports an additional

4,460

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.1

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

Advanced industries pay, on average

\$44,080

dollars per year (2013).

Advanced industries directly
account for

6.9%

of all jobs in the region.

This employment share is

#105

among all small metros.

This accounts for

14.9%

of all output in the region (2013).

This compares to average pay of

\$36,260

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

2.2%

-0.5%

Johnson City, TN

U.S.

Johnson City, TN

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

Johnson City, TN

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
3251	Basic Chemicals	650	7.93	11.6%	0.6%	14.9%	2.6%
3344	Semiconductors	630	2.96	11.3%	4.1%	15.4%	7.0%
3352	Household Appliances	620	18.79	11.1%	-2.1%	8.8%	3.9%
3363	Motor Vehicle Parts	470	1.64	8.5%	-2.1%	6.8%	4.9%
5172	Wireless Telecom Carriers	420	4.82	7.6%	-7.3%	9.3%	-3.3%
5413	Architecture & Engineering	290	0.38	5.2%	-1.8%	3.9%	-5.1%
5415	Computer Systems Design	290	0.29	5.1%	23.3%	5.1%	25.0%
3391	Medical Equipment & Supplies	280	1.59	4.9%	2.1%	4.4%	0.2%
3339	General Purpose Machinery	250	1.71	4.5%	-3.3%	2.7%	0.1%
3399	Misc. Manufacturing	220	1.38	3.9%	0.3%	2.5%	2.6%
5416	Management Consulting	210	0.31	3.7%	27.2%	3.0%	25.6%
5182	Data Processing & Hosting	150	0.97	2.7%	-15.9%	1.8%	-16.6%
3252	Resins & Synthetic Rubbers	130	2.48	2.3%	2.7%	2.3%	3.7%
3361	Motor Vehicles	120	1.14	2.2%	-5.0%	2.0%	-2.7%
3345	Precision Instruments	110	0.49	2.0%	9.8%	0.9%	7.4%
5174	Satellite Telecommunications	100	20.16	1.9%	-13.2%	0.5%	-7.9%
2211	Power Generation & Supply	80	0.36	1.5%	-6.5%	4.2%	-10.3%
3353	Electrical Equipment	80	0.93	1.4%	2.3%	1.5%	11.1%
6215	Medical and Diagnostic Laboratories	70	0.51	1.3%	8.2%	0.6%	8.6%
3254	Pharmaceuticals	60	0.36	1.0%	-1.7%	1.2%	11.4%
3359	Misc. Electrical Equipment	50	0.76	1.0%	4.0%	1.2%	5.9%
3333	Commercial & Service Machinery	40	0.79	0.7%	-6.0%	0.5%	-2.0%
3259	Misc. Chemicals	30	0.63	0.5%	1.1%	0.7%	2.6%
3366	Ships & Boats	30	0.41	0.5%	-7.6%	0.2%	-6.3%
3364	Aircraft Products & Parts	20	0.08	0.4%	-5.4%	0.3%	-2.3%
Advanced industries manufacturing		3,910	1.26	70.1%	-0.1%	69.0%	3.8%
Advanced industries energy		90	0.24	1.6%	-6.0%	4.9%	-8.5%
Advanced industries services		1,580	0.45	28.3%	-1.2%	26.1%	0.7%
ADVANCED INDUSTRIES TOTAL		5,570	0.80	100.0%	-0.5%	100.0%	2.2%

† 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.