

Clarksville, TN-KY

Advanced industries employ

8,800

full-time workers. (2013)

These direct jobs supports an additional

7,040

indirect jobs in other industries in the region.

Advanced industries produce

\$1.3

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

Advanced industries pay, on average

\$96,740

dollars per year (2013).

Advanced industries directly account for

7.4%

of all jobs in the region.

This employment share is

#89

among all small metros.

This accounts for

15.4%

of all output in the region (2013).

This compares to average pay of

\$43,050

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

OUTPUT

3.2%

2.7%

5.7%

3.8%

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U.S.

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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	1,960	4.57	22.3%	13.6%	22.2%	17.3%
5413	Architecture & Engineering	1,350	1.19	15.3%	-0.7%	9.8%	-0.9%
3331	Agri., Constr., Mining Machinery	640	3.05	7.3%	-1.8%	7.0%	4.6%
5416	Management Consulting	630	0.63	7.2%	3.1%	5.3%	5.1%
5415	Computer Systems Design	610	0.43	6.9%	-3.8%	7.4%	2.6%
3339	General Purpose Machinery	590	2.76	6.8%	-0.2%	5.7%	5.5%
3271	Clay Product and Refractory Manufacturing	470	14.39	5.4%	11.7%	3.5%	15.6%
3361	Motor Vehicles	460	2.93	5.2%	5.6%	8.2%	10.5%
3279	Stone & Mineral Products	310	5.24	3.5%	13.6%	2.6%	19.0%
3336	Engine & Power Equipment	290	3.33	3.2%	-2.8%	1.9%	-8.0%
3399	Misc. Manufacturing	280	1.22	3.2%	-3.9%	1.7%	-7.2%
2211	Power Generation & Supply	220	0.67	2.5%	2.4%	9.2%	-0.7%
3332	Industrial Machinery	130	1.46	1.5%	7.3%	1.3%	11.6%
3315	Foundries	110	1.07	1.3%	5.6%	1.2%	11.9%
3313	Aluminum Products	90	1.88	1.1%	-12.3%	0.9%	-6.7%
3251	Basic Chemicals	70	0.56	0.8%	2.6%	1.4%	-0.7%
3333	Commercial & Service Machinery	50	0.69	0.6%	-0.6%	0.5%	1.2%
3241	Petroleum & Coal Products	50	0.53	0.6%	5.2%	1.9%	-6.0%
3362	Motor Vehicle Body & Trailers	40	0.39	0.5%	11.2%	1.2%	35.8%
3259	Misc. Chemicals	40	0.60	0.5%	5.3%	0.7%	-3.7%
3366	Ships & Boats	30	0.32	0.4%	0.0%	0.1%	-2.3%
5152	Cable and Other Subscription Programming	30	0.51	0.4%	13.9%	0.8%	22.0%
3391	Medical Equipment & Supplies	30	0.11	0.3%	11.4%	0.4%	11.6%
5179	Other telecommunications	30	0.41	0.3%	-14.3%	0.6%	-8.6%
3364	Aircraft Products & Parts	30	0.07	0.3%	-7.2%	0.2%	-11.5%
Advanced industries manufacturing		5,800	1.26	66.0%	5.3%	64.3%	8.8%
Advanced industries energy		240	0.46	2.8%	2.9%	9.9%	-1.1%
Advanced industries services		2,750	0.53	31.3%	-0.8%	25.8%	1.8%
ADVANCED INDUSTRIES TOTAL		8,800	0.85	100.0%	3.2%	100.0%	5.7%

† 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.