

Decatur, AL

Advanced industries employ

5,710

full-time workers. (2013)

These direct jobs supports an additional

4,570

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

\$77,310

dollars per year (2013).

Advanced industries directly
account for

9.9%

of all jobs in the region.

This employment share is

#49

among all small metros.

This accounts for

24.9%

of all output in the region (2013).

This compares to average pay of

\$38,710

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.7%

2.7%

OUTPUT

2.4%

3.8%

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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
3252	Resins & Synthetic Rubbers	1,410	37.30	24.6%	7.4%	40.4%	5.1%
3363	Motor Vehicle Parts	770	3.69	13.4%	1.7%	3.2%	10.9%
3251	Basic Chemicals	550	9.33	9.6%	-1.9%	15.0%	-6.4%
5413	Architecture & Engineering	510	0.92	8.8%	13.0%	4.4%	11.9%
3352	Household Appliances	460	19.20	8.0%	1.2%	2.8%	-6.2%
3313	Aluminum Products	330	13.86	5.8%	0.9%	4.5%	15.9%
3399	Misc. Manufacturing	290	2.62	5.1%	7.6%	1.6%	4.6%
5415	Computer Systems Design	160	0.23	2.8%	14.1%	1.9%	16.5%
2211	Power Generation & Supply	130	0.80	2.3%	-4.3%	4.1%	-3.1%
3391	Medical Equipment & Supplies	130	1.00	2.2%	-2.5%	0.8%	-4.6%
3339	General Purpose Machinery	120	1.16	2.1%	-24.7%	0.9%	-19.9%
5416	Management Consulting	110	0.23	1.9%	-2.3%	1.1%	-3.3%
3342	Communications Equipment	90	2.31	1.6%	3.8%	0.9%	9.4%
3315	Foundries	90	1.78	1.6%	2.3%	1.0%	7.6%
6215	Medical and Diagnostic Laboratories	90	0.85	1.5%	-6.2%	0.6%	-4.5%
3359	Misc. Electrical Equipment	70	1.44	1.3%	1.4%	1.1%	3.7%
3311	Iron & Steel Products	70	1.83	1.2%	0.5%	1.6%	14.1%
5417	R&D Services	50	0.21	0.9%	-5.5%	0.6%	-4.1%
3253	Pesticides & Fertilizers	40	2.81	0.8%	10.4%	1.2%	3.4%
3241	Petroleum & Coal Products	30	0.61	0.5%	1.2%	1.7%	27.1%
5172	Wireless Telecom Carriers	30	0.40	0.4%	-2.5%	0.3%	3.5%
3259	Misc. Chemicals	20	0.62	0.4%	11.9%	0.2%	1.6%
3353	Electrical Equipment	20	0.34	0.4%	1.7%	0.6%	18.6%
3331	Agri., Constr., Mining Machinery	20	0.16	0.3%	-27.5%	0.2%	-24.8%
3346	Magnetic & Optical Media	10	1.66	0.2%	-4.7%	0.1%	-15.3%
Advanced industries manufacturing		4,610	2.07	80.8%	0.9%	85.8%	2.3%
Advanced industries energy		140	0.53	2.4%	-4.2%	4.8%	-3.3%
Advanced industries services		960	0.38	16.8%	6.7%	9.3%	7.0%
ADVANCED INDUSTRIES TOTAL		5,710	1.14	100.0%	1.7%	100.0%	2.4%

† 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.