

Birmingham, AL

Advanced industries employ

40,099

full-time workers. (2015)

These direct jobs supports an additional

32,080

indirect jobs in other industries in the region.

Advanced industries produce

\$7.3

billion dollars in output in the region. (2015, 2009 Chained)

Advanced industries pay, on average

\$81,903

dollars per year (2015).

Advanced industries directly account for

7.6%

of all jobs in the region.

This employment share is

#62

among all large metros.

This accounts for

14.4%

of all output in the region (2015).

This compares to average pay of

\$49,928

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#95

2.70%

JOBS

RANK:
#81

2.46%

-0.85%

0.31%

Birmingham, AL

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

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DATA NOTES

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

Birmingham, AL

Twenty-Five Largest Advanced Industries (2015)

There are 9 advanced industries in Birmingham, AL with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010-2013	2013-2015		2010-2013	2013-2015
2211	Power Generation & Supply	6,730	4.76	16.8%	0.1%	0.3%	29.5%	-0.2%	-7.0%
5415	Computer Systems Design	5,540	0.81	13.8%	4.2%	3.0%	8.9%	5.2%	3.3%
5413	Engineering	4,350	0.87	10.8%	2.4%	-0.2%	6.3%	0.1%	0.9%
3315	Foundries	3,160	7.14	7.9%	-0.9%	-2.2%	4.7%	4.2%	-3.9%
3363	Motor Vehicle Parts	3,060	1.52	7.6%	25.1%	3.1%	2.2%	61.2%	14.0%
5416	Management Consulting	2,480	0.54	6.2%	4.1%	7.3%	4.7%	1.4%	14.5%
3311	Iron & Steel Products	2,320	7.29	5.8%	2.6%	-11.5%	8.1%	13.9%	-4.6%
3399	Misc. Manufacturing	1,460	1.45	3.6%	7.5%	1.4%	1.2%	0.2%	0.0%
6215	Medical and Diagnostic Laboratories	1,420	1.53	3.5%	7.1%	0.5%	1.9%	8.5%	10.9%
5172	Wireless Telecom Carriers	1,000	2.08	2.5%	9.8%	2.6%	3.1%	21.8%	13.5%
3362	Motor Vehicle Body & Trailers	780	1.46	2.0%	7.9%	6.5%	1.9%	25.8%	6.4%
3339	General Purpose Machinery	760	0.80	1.9%	4.7%	-2.6%	0.9%	7.8%	-2.3%
5417	R&D Services	690	0.29	1.7%	-4.6%	-1.6%	1.4%	-3.5%	1.1%
3241	Petroleum & Coal Products	620	1.58	1.5%	16.2%	-3.1%	6.3%	39.9%	1.1%
3331	Agri., Constr., Mining Machinery	590	0.70	1.5%	5.2%	5.8%	1.0%	7.2%	0.5%
3271	Clay Product and Refractory Manufacturing	540	3.84	1.4%	6.3%	4.9%	0.6%	2.5%	4.2%
3391	Medical Equipment & Supplies	490	0.45	1.2%	3.6%	2.8%	0.6%	-2.7%	14.9%
3353	Electrical Equipment	430	0.84	1.1%	9.0%	8.7%	1.0%	11.3%	7.7%
5112	Software Products	410	0.34	1.0%	14.3%	-8.7%	2.6%	11.4%	6.7%
5182	Data Processing & Hosting	390	0.37	1.0%	-9.9%	-0.1%	0.7%	-10.0%	5.5%
3359	Misc. Electrical Equipment	300	0.64	0.7%	14.3%	-1.3%	0.4%	5.4%	1.7%
5179	Other telecommunications	230	0.79	0.6%	-19.8%	-4.8%	1.1%	-20.1%	-5.6%
3332	Industrial Machinery	220	0.55	0.5%	-1.3%	21.9%	0.3%	-1.5%	23.0%
3333	Commercial & Service Machinery	220	0.69	0.5%	-0.4%	9.9%	0.3%	2.5%	4.4%
3345	Precision Instruments	200	0.14	0.5%	-2.0%	9.7%	0.4%	3.2%	11.1%
IFG	Advanced industries manufacturing	16,710	0.84	41.7%	5.9%	-0.9%	39.0%	12.3%	-0.3%
	Advanced industries energy	6,760	3.01	16.9%	0.1%	0.3%	30.2%	-0.1%	-6.8%
	Advanced industries services	16,630	0.70	41.5%	2.7%	1.6%	30.8%	2.2%	5.4%
	ADVANCED INDUSTRIES TOTAL	40,100	0.87	100.0%	3.5%	0.3%	100.0%	4.7%	-0.9%

† 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.