

Birmingham, AL

Advanced industries employ

39,810

full-time workers. (2013)

These direct jobs supports an additional

31,850

indirect jobs in other industries in
the region.

Advanced industries produce

\$8.0

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

Advanced industries pay, on average

\$78,120

dollars per year (2013).

Advanced industries directly
account for

7.7%

of all jobs in the region.

This employment share is

#62

among all large metros.

This accounts for

16.1%

of all output in the region (2013).

This compares to average pay of

\$47,310

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

3.6%

2.7%

OUTPUT

6.2%

3.8%

Birmingham, AL

U.S.

Birmingham, AL

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.

Birmingham, AL

Twenty-Five Largest Advanced Industries (2013)

There are 8 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 (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
2211	Power Generation & Supply	6,710	4.66	16.9%	0.2%	33.0%	1.2%
5415	Computer Systems Design	5,220	0.84	13.1%	4.2%	9.7%	6.1%
5413	Architecture & Engineering	4,360	0.89	11.0%	2.3%	6.0%	1.1%
3315	Foundries	3,310	7.24	8.3%	-0.9%	4.9%	4.7%
3363	Motor Vehicle Parts	2,980	1.60	7.5%	23.0%	4.0%	52.6%
3311	Iron & Steel Products	2,960	8.89	7.4%	2.8%	8.7%	15.3%
5416	Management Consulting	2,160	0.50	5.4%	4.2%	3.4%	3.0%
3399	Misc. Manufacturing	1,420	1.42	3.6%	7.5%	1.3%	4.4%
6215	Medical and Diagnostic Laboratories	1,400	1.56	3.5%	7.0%	1.5%	8.6%
5172	Wireless Telecom Carriers	940	1.68	2.4%	9.7%	1.8%	19.9%
3339	General Purpose Machinery	800	0.86	2.0%	4.7%	0.9%	10.4%
5417	R&D Services	720	0.31	1.8%	-4.3%	1.4%	-3.0%
3362	Motor Vehicle Body & Trailers	710	1.44	1.8%	6.1%	2.0%	0.8%
3241	Petroleum & Coal Products	660	1.60	1.7%	16.3%	6.4%	46.2%
3331	Agri., Constr., Mining Machinery	530	0.58	1.3%	5.2%	1.0%	9.7%
3271	Clay Product and Refractory Manufacturing	490	3.47	1.2%	5.1%	0.6%	6.0%
5112	Software Products	490	0.45	1.2%	14.2%	2.2%	12.5%
3391	Medical Equipment & Supplies	460	0.41	1.2%	3.6%	0.5%	1.6%
3359	Misc. Electrical Equipment	450	0.97	1.1%	22.1%	0.5%	12.3%
5182	Data Processing & Hosting	390	0.40	1.0%	-10.0%	0.7%	-6.8%
3353	Electrical Equipment	350	0.66	0.9%	1.4%	0.7%	6.7%
5179	Other telecommunications	250	0.82	0.6%	-20.1%	0.9%	-22.0%
3259	Misc. Chemicals	220	0.71	0.5%	0.3%	0.4%	-14.7%
3333	Commercial & Service Machinery	190	0.60	0.5%	1.4%	0.3%	6.0%
3252	Resins & Synthetic Rubbers	190	0.56	0.5%	4.7%	0.7%	-6.6%
Advanced industries manufacturing		17,050	0.86	42.8%	6.0%	38.8%	14.5%
Advanced industries energy		6,740	2.90	16.9%	0.2%	33.4%	1.2%
Advanced industries services		16,020	0.71	40.2%	2.7%	27.7%	3.1%
ADVANCED INDUSTRIES TOTAL		39,810	0.89	100.0%	3.6%	100.0%	6.2%

† 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.