

Huntsville, AL

Advanced industries employ

47,150

full-time workers. (2013)

These direct jobs supports an additional

37,720

indirect jobs in other industries in
the region.

Advanced industries produce

\$6.2

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

Advanced industries pay, on average

\$82,270

dollars per year (2013).

Advanced industries directly
account for

21.5%

of all jobs in the region.

This employment share is

#4

among all small metros.

This accounts for

28.8%

of all output in the region (2013).

This compares to average pay of

\$52,630

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-1.1%

0.9%

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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
5413	Architecture & Engineering	13,140	6.32	27.9%	-2.4%	20.5%	-3.6%
5415	Computer Systems Design	10,260	3.90	21.8%	1.4%	21.7%	3.1%
3364	Aircraft Products & Parts	4,740	6.17	10.1%	2.1%	15.3%	0.1%
5417	R&D Services	4,570	4.66	9.7%	-0.4%	9.8%	0.9%
3363	Motor Vehicle Parts	2,350	2.99	5.0%	-3.3%	2.4%	41.6%
3341	Computer Equipment	1,810	7.41	3.8%	-6.1%	4.5%	-1.2%
5416	Management Consulting	1,770	0.97	3.8%	-1.2%	3.2%	-2.5%
3346	Magnetic & Optical Media	1,270	42.78	2.7%	-7.1%	1.6%	-13.2%
3342	Communications Equipment	1,120	7.28	2.4%	-7.0%	2.5%	1.7%
3344	Semiconductors	1,050	1.82	2.2%	-6.4%	1.5%	-3.5%
3254	Pharmaceuticals	760	1.79	1.6%	8.0%	6.8%	8.6%
3391	Medical Equipment & Supplies	550	1.17	1.2%	7.5%	0.7%	4.7%
3345	Precision Instruments	450	0.73	0.9%	-16.3%	0.8%	-7.8%
3336	Engine & Power Equipment	370	2.36	0.8%	5.5%	0.9%	8.6%
6215	Medical and Diagnostic Laboratories	290	0.75	0.6%	6.3%	0.4%	8.2%
5152	Cable and Other Subscription Programming	270	2.39	0.6%	3.4%	0.5%	2.4%
3362	Motor Vehicle Body & Trailers	230	1.10	0.5%	2.0%	0.3%	211.4%
3252	Resins & Synthetic Rubbers	190	1.36	0.4%	6.0%	0.4%	-14.2%
5112	Software Products	190	0.41	0.4%	23.7%	0.9%	18.2%
5191	Web Search Portals and Internet Publishing	160	0.53	0.3%	4.3%	0.3%	2.2%
3352	Household Appliances	150	1.65	0.3%	-2.6%	0.1%	-14.0%
3279	Stone & Mineral Products	140	1.34	0.3%	-1.6%	0.2%	-8.3%
3315	Foundries	140	0.72	0.3%	5.3%	0.3%	12.3%
3253	Pesticides & Fertilizers	140	2.35	0.3%	4.3%	0.3%	-18.9%
3333	Commercial & Service Machinery	110	0.82	0.2%	1.5%	0.2%	5.6%
Advanced industries manufacturing		16,320	1.93	34.6%	-2.0%	42.0%	2.4%
Advanced industries energy		50	0.05	0.1%	1.5%	0.4%	-1.3%
Advanced industries services		30,780	3.22	65.3%	-0.6%	57.6%	-0.1%
ADVANCED INDUSTRIES TOTAL		47,150	2.48	100.0%	-1.1%	100.0%	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.