

Arizona

Advanced industries employ

216,323

full-time workers. (2015)

These direct jobs supports an additional

173,060

indirect jobs in other industries in
the region.

Advanced industries produce

\$40.7

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

Advanced industries pay, on average

\$88,149

dollars per year (2015).

Advanced industries directly
account for

8.0%

of all jobs in the region.

This employment share is

#30

among all states.

This accounts for

15.1%

of all output in the region (2015).

This compares to average pay of

\$49,046

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

RANK:
#29

2.70%

RANK:
#36

2.46%

1.71%

1.12%

Arizona

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

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.

Arizona

Twenty-Five Largest Advanced Industries (2015)

There are 7 advanced industries in Arizona 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
5415	Computer Systems Design	31,440	0.89	14.5%	3.6%	10.0%	9.5%	4.6%	12.9%
3364	Aircraft Products & Parts	24,950	2.77	11.5%	-1.1%	-2.6%	10.2%	-0.9%	-1.6%
5413	Engineering	23,410	0.90	10.8%	2.5%	-1.6%	6.6%	2.8%	-2.8%
3344	Semiconductors	21,920	3.23	10.1%	1.5%	-3.5%	14.6%	9.5%	2.4%
5416	Management Consulting	18,320	0.78	8.5%	0.2%	-4.7%	5.4%	-1.1%	-5.3%
2122	Metal Ore Mining	10,200	13.60	4.7%	8.2%	-3.3%	12.2%	2.6%	2.0%
3345	Precision Instruments	9,420	1.28	4.4%	-4.2%	-6.9%	5.9%	1.8%	-3.7%
5182	Data Processing & Hosting	9,150	1.66	4.2%	13.0%	4.5%	3.3%	16.4%	14.6%
2211	Power Generation & Supply	8,970	1.23	4.1%	-0.5%	0.5%	9.0%	-3.2%	-8.3%
6215	Medical and Diagnostic Laboratories	7,310	1.53	3.4%	1.0%	4.4%	1.5%	0.3%	4.8%
3391	Medical Equipment & Supplies	6,640	1.17	3.1%	6.5%	5.2%	2.4%	6.4%	6.6%
5417	R&D Services	6,080	0.50	2.8%	4.9%	6.1%	2.4%	7.6%	6.7%
3399	Misc. Manufacturing	4,400	0.85	2.0%	0.5%	3.2%	1.2%	0.9%	2.8%
5172	Wireless Telecom Carriers	4,200	1.70	1.9%	-3.0%	6.2%	2.7%	-2.2%	14.4%
5112	Software Products	3,610	0.59	1.7%	8.1%	11.1%	2.6%	4.8%	9.1%
3363	Motor Vehicle Parts	3,080	0.30	1.4%	11.2%	8.6%	0.7%	9.0%	7.7%
5191	Web Search Portals and Internet Publishing	2,610	0.58	1.2%	15.4%	16.3%	0.7%	3.2%	15.2%
3254	Pharmaceuticals	2,110	0.41	1.0%	14.6%	12.3%	1.2%	-9.4%	11.5%
3332	Industrial Machinery	1,180	0.57	0.5%	5.1%	15.6%	0.4%	6.3%	12.7%
3315	Foundries	1,170	0.51	0.5%	3.3%	4.2%	0.4%	17.7%	14.9%
3342	Communications Equipment	1,120	0.69	0.5%	2.3%	-5.4%	0.8%	10.8%	-1.6%
3333	Commercial & Service Machinery	1,110	0.68	0.5%	-11.3%	2.1%	0.4%	-11.0%	-2.4%
5179	Other telecommunications	1,110	0.74	0.5%	14.0%	8.9%	0.7%	11.4%	11.2%
3279	Stone & Mineral Products	1,070	0.79	0.5%	5.6%	2.0%	0.3%	5.8%	9.2%
3359	Misc. Electrical Equipment	1,040	0.43	0.5%	-1.2%	4.2%	0.3%	-10.3%	1.8%
IFG	Advanced industries manufacturing	88,330	0.86	40.8%	0.3%	-0.9%	42.3%	2.4%	1.0%
	Advanced industries energy	19,270	1.66	8.9%	4.1%	-1.6%	21.2%	-0.3%	-2.7%
	Advanced industries services	108,720	0.88	50.3%	3.3%	3.4%	36.5%	3.5%	5.5%
	ADVANCED INDUSTRIES TOTAL	216,320	0.91	100.0%	2.0%	1.1%	100.0%	2.1%	1.7%

† 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.