

Tucson, AZ

Advanced industries employ

34,130

full-time workers. (2013)

These direct jobs supports an additional

27,300

indirect jobs in other industries in
the region.

Advanced industries produce

\$6.7

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

Advanced industries pay, on average

\$73,230

dollars per year (2013).

Advanced industries directly
account for

9.2%

of all jobs in the region.

This employment share is

#35

among all large metros.

This accounts for

18.1%

of all output in the region (2013).

This compares to average pay of

\$44,160

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-0.5%

Tucson, AZ

U.S.

Tucson, AZ

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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DATA NOTES

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

Tucson, AZ

Twenty-Five Largest Advanced Industries (2013)

There are 4 advanced industries in Tucson, AZ 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
3364	Aircraft Products & Parts	11,130	8.54	32.6%	-3.3%	27.2%	1.6%
5413	Architecture & Engineering	3,850	1.09	11.3%	2.8%	6.6%	5.8%
5415	Computer Systems Design	3,380	0.76	9.9%	-0.8%	7.4%	0.9%
5417	R&D Services	2,140	1.29	6.3%	-0.6%	5.1%	2.8%
5416	Management Consulting	1,960	0.63	5.7%	-1.0%	3.7%	-1.1%
2122	Metal Ore Mining	1,920	16.58	5.6%	6.4%	14.7%	4.1%
2211	Power Generation & Supply	1,400	1.36	4.1%	-3.5%	10.9%	-1.4%
3345	Precision Instruments	1,300	1.26	3.8%	1.4%	3.9%	4.2%
5112	Software Products	1,280	1.63	3.7%	7.6%	5.7%	13.2%
3344	Semiconductors	910	0.93	2.7%	-1.7%	2.9%	2.0%
3399	Misc. Manufacturing	690	0.96	2.0%	0.9%	0.8%	5.2%
3391	Medical Equipment & Supplies	690	0.87	2.0%	1.8%	2.2%	5.1%
6215	Medical and Diagnostic Laboratories	420	0.65	1.2%	7.4%	0.6%	9.9%
3359	Misc. Electrical Equipment	390	1.19	1.1%	-2.0%	0.8%	-2.5%
3346	Magnetic & Optical Media	250	4.90	0.7%	4.3%	0.3%	-6.0%
3331	Agri., Constr., Mining Machinery	240	0.36	0.7%	-9.4%	0.5%	-9.1%
3279	Stone & Mineral Products	230	1.28	0.7%	-8.9%	0.4%	-9.5%
3333	Commercial & Service Machinery	220	0.98	0.7%	-4.6%	0.4%	-1.5%
3342	Communications Equipment	220	0.83	0.6%	17.9%	0.8%	22.1%
5182	Data Processing & Hosting	190	0.28	0.6%	14.4%	0.3%	4.3%
5172	Wireless Telecom Carriers	190	0.47	0.6%	11.4%	0.6%	18.7%
3353	Electrical Equipment	180	0.48	0.5%	-0.7%	0.5%	-0.5%
3271	Clay Product and Refractory Manufacturing	120	1.15	0.3%	-13.1%	0.1%	-25.5%
3251	Basic Chemicals	110	0.29	0.3%	28.4%	0.6%	27.6%
3332	Industrial Machinery	90	0.33	0.3%	-3.7%	0.2%	0.4%
Advanced industries manufacturing		17,280	1.21	50.6%	-2.3%	43.8%	2.0%
Advanced industries energy		3,340	2.00	9.8%	1.8%	25.6%	1.6%
Advanced industries services		13,510	0.83	39.6%	1.4%	30.6%	4.6%
ADVANCED INDUSTRIES TOTAL		34,130	1.06	100.0%	-0.5%	100.0%	2.6%

† 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.