

Sierra Vista, AZ

Advanced industries employ

3,430

full-time workers. (2013)

These direct jobs supports an additional

2,740

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.0

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

Advanced industries pay, on average

\$76,050

dollars per year (2013).

Advanced industries directly
account for

8.1%

of all jobs in the region.

This employment share is

#74

among all small metros.

This accounts for

23.5%

of all output in the region (2013).

This compares to average pay of

\$45,020

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-6.5%

Sierra Vista, AZ

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

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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
5415	Computer Systems Design	800	1.56	23.2%	-7.9%	11.4%	-6.8%
2122	Metal Ore Mining	790	59.46	23.0%	39.9%	47.0%	38.1%
5416	Management Consulting	570	1.62	16.8%	-13.0%	7.0%	-13.5%
5413	Architecture & Engineering	570	1.42	16.6%	-19.8%	6.4%	-17.8%
2211	Power Generation & Supply	380	3.23	11.1%	-4.0%	21.3%	-3.0%
5417	R&D Services	80	0.40	2.2%	-16.6%	1.2%	-14.3%
5179	Other telecommunications	50	1.82	1.3%	-14.3%	1.3%	-10.1%
5182	Data Processing & Hosting	30	0.42	1.0%	-21.0%	0.4%	-27.6%
5112	Software Products	30	0.28	0.7%	-7.9%	1.0%	-0.1%
6215	Medical and Diagnostic Laboratories	20	0.24	0.5%	-6.5%	0.2%	-8.0%
3253	Pesticides & Fertilizers	20	1.34	0.4%	-7.6%	0.3%	-14.1%
3252	Resins & Synthetic Rubbers	10	0.51	0.4%	-9.7%	0.6%	-11.7%
3364	Aircraft Products & Parts	10	0.09	0.4%	-2.3%	0.3%	-0.3%
3254	Pharmaceuticals	10	0.16	0.4%	-2.4%	0.6%	-3.8%
5152	Cable and Other Subscription Programming	10	0.51	0.3%	-11.7%	0.3%	-2.4%
5172	Wireless Telecom Carriers	10	0.22	0.3%	-14.5%	0.2%	-7.8%
3399	Misc. Manufacturing	10	0.10	0.2%	17.0%	0.1%	26.9%
3279	Stone & Mineral Products	10	0.34	0.2%	-14.0%	0.1%	-17.6%
3332	Industrial Machinery	10	0.16	0.1%	-10.6%	0.1%	-5.3%
2111	Oil & Gas Extraction	-	0.07	0.1%	26.0%	0.0%	32.2%
5191	Web Search Portals and Internet Publishing	-	0.05	0.1%	-30.7%	0.0%	-32.9%
3251	Basic Chemicals	-	0.05	0.1%	-12.6%	0.1%	-14.1%
3271	Clay Product and Refractory Manufacturing	-	0.17	0.1%	-20.6%	0.0%	-31.0%
3333	Commercial & Service Machinery	-	0.08	0.1%	-12.6%	0.0%	-6.2%
3344	Semiconductors	-	0.02	0.1%	-26.3%	0.0%	-21.5%
Advanced industries manufacturing		90	0.06	2.7%	-7.2%	2.3%	-8.3%
Advanced industries energy		1,170	6.16	34.2%	17.6%	68.3%	18.4%
Advanced industries services		2,160	1.17	63.1%	-13.7%	29.4%	-11.9%
ADVANCED INDUSTRIES TOTAL		3,430	0.93	100.0%	-6.5%	100.0%	4.7%

† 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.