

Vallejo, CA

Advanced industries employ

7,560

full-time workers. (2013)

These direct jobs supports an additional

6,050

indirect jobs in other industries in
the region.

Advanced industries produce

\$2.8

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

Advanced industries pay, on average

\$114,470

dollars per year (2013).

Advanced industries directly
account for

5.6%

of all jobs in the region.

This employment share is

#159

among all small metros.

This accounts for

17.8%

of all output in the region (2013).

This compares to average pay of

\$54,000

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-0.9%

Vallejo, CA

U.S.

-0.9%

Vallejo, CA

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

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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
3254	Pharmaceuticals	2,720	10.35	36.0%	-1.5%	52.4%	0.7%
5413	Architecture & Engineering	1,150	0.90	15.3%	10.2%	7.1%	11.3%
3241	Petroleum & Coal Products	500	4.71	6.7%	14.0%	14.8%	-6.2%
5416	Management Consulting	380	0.34	5.0%	-14.0%	2.7%	-14.3%
3399	Misc. Manufacturing	280	1.07	3.7%	6.9%	1.6%	10.0%
6215	Medical and Diagnostic Laboratories	280	1.17	3.6%	-13.3%	1.0%	-13.5%
5415	Computer Systems Design	270	0.17	3.6%	4.7%	2.2%	6.8%
3364	Aircraft Products & Parts	260	0.56	3.5%	1.2%	1.7%	3.9%
3391	Medical Equipment & Supplies	190	0.67	2.6%	-13.5%	1.5%	-9.6%
3339	General Purpose Machinery	190	0.78	2.5%	4.6%	1.0%	6.0%
5417	R&D Services	120	0.20	1.6%	30.1%	1.1%	36.2%
5152	Cable and Other Subscription Programming	110	1.63	1.5%	77.1%	2.0%	81.2%
3259	Misc. Chemicals	110	1.36	1.4%	19.7%	1.2%	21.4%
5182	Data Processing & Hosting	100	0.41	1.4%	-32.4%	0.9%	-32.3%
3252	Resins & Synthetic Rubbers	80	0.88	1.0%	6.9%	0.8%	7.9%
3279	Stone & Mineral Products	80	1.14	1.0%	21.3%	0.3%	19.5%
3253	Pesticides & Fertilizers	60	1.74	0.8%	24.7%	0.6%	21.5%
3359	Misc. Electrical Equipment	50	0.44	0.7%	0.6%	0.2%	0.2%
2211	Power Generation & Supply	50	0.13	0.7%	17.3%	0.8%	15.3%
3332	Industrial Machinery	50	0.48	0.6%	7.0%	0.3%	11.4%
3336	Engine & Power Equipment	50	0.48	0.6%	0.7%	0.3%	2.8%
3345	Precision Instruments	50	0.12	0.6%	-7.4%	0.4%	-2.6%
3311	Iron & Steel Products	40	0.47	0.5%	34.1%	0.1%	37.9%
3353	Electrical Equipment	40	0.30	0.5%	1.7%	0.2%	0.5%
5172	Wireless Telecom Carriers	40	0.27	0.5%	-31.1%	0.5%	-33.8%
Advanced industries manufacturing		4,970	0.96	65.7%	0.5%	79.1%	-0.6%
Advanced industries energy		80	0.13	1.0%	15.5%	2.5%	9.5%
Advanced industries services		2,520	0.43	33.3%	-3.9%	18.5%	-3.2%
ADVANCED INDUSTRIES TOTAL		7,560	0.65	100.0%	-0.9%	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.