

Modesto, CA

Advanced industries employ

5,311

full-time workers. (2015)

These direct jobs supports an additional

4,250

indirect jobs in other industries in the region.

Advanced industries produce

\$1.2

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

Advanced industries pay, on average

\$60,380

dollars per year (2015).

Advanced industries directly account for

2.9%

of all jobs in the region.

This employment share is

#261

among all small metros.

This accounts for

5.8%

of all output in the region (2015).

This compares to average pay of

\$46,065

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

3.27%

RANK:
#89

2.70%

3.83%

RANK:
#66

2.46%

Modesto, CA

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

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.

Modesto, CA

Twenty-Five Largest Advanced Industries (2015)

There are 2 advanced industries in Modesto, CA 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
5413	Engineering	920	0.53	17.3%	1.6%	22.2%	11.9%	0.1%	18.4%
5416	Management Consulting	700	0.44	13.2%	20.9%	2.4%	11.9%	17.0%	6.3%
3331	Agri., Constr., Mining Machinery	440	1.50	8.3%	17.0%	23.7%	4.5%	17.5%	6.1%
3363	Motor Vehicle Parts	380	0.54	7.1%	-0.8%	0.4%	4.7%	-2.4%	1.4%
5415	Computer Systems Design	370	0.15	6.9%	11.8%	3.1%	8.4%	14.6%	16.0%
6215	Medical and Diagnostic Laboratories	310	0.96	5.8%	-1.4%	2.7%	2.3%	0.5%	0.2%
5417	R&D Services	280	0.34	5.3%	-1.6%	8.3%	6.0%	0.0%	14.0%
3364	Aircraft Products & Parts	230	0.37	4.3%	-6.8%	-2.3%	2.7%	-14.8%	11.3%
3391	Medical Equipment & Supplies	130	0.35	2.5%	-6.9%	-11.9%	2.6%	-9.9%	0.6%
3333	Commercial & Service Machinery	130	1.16	2.4%	9.2%	5.0%	0.4%	13.8%	12.9%
3399	Misc. Manufacturing	130	0.36	2.4%	-3.0%	3.8%	1.3%	-7.1%	2.0%
3254	Pharmaceuticals	120	0.35	2.3%	4.7%	-4.3%	7.7%	20.9%	4.7%
3339	General Purpose Machinery	120	0.36	2.2%	5.9%	-9.8%	2.0%	6.4%	1.2%
3345	Precision Instruments	120	0.23	2.2%	6.3%	3.2%	3.7%	22.9%	11.7%
3271	Clay Product and Refractory Manufacturing	110	2.22	2.1%	-1.8%	-13.6%	0.7%	3.0%	-8.0%
2211	Power Generation & Supply	90	0.18	1.6%	2.0%	-15.2%	2.8%	-6.4%	-18.1%
3279	Stone & Mineral Products	80	0.87	1.5%	0.0%	3.3%	0.6%	-1.5%	-9.9%
3332	Industrial Machinery	80	0.57	1.5%	2.1%	-0.6%	1.6%	4.5%	11.7%
3336	Engine & Power Equipment	60	0.50	1.2%	9.3%	-0.8%	0.6%	-0.8%	-6.6%
3241	Petroleum & Coal Products	60	0.41	1.1%	-2.0%	-7.2%	10.6%	-16.7%	0.6%
3362	Motor Vehicle Body & Trailers	60	0.29	1.0%	-7.3%	8.2%	0.7%	-20.0%	6.9%
3253	Pesticides & Fertilizers	40	0.89	0.8%	31.4%	9.8%	1.2%	28.0%	9.0%
3315	Foundries	40	0.27	0.8%	19.1%	-8.5%	0.2%	23.7%	-16.2%
3341	Computer Equipment	30	0.16	0.6%	6.5%	6.7%	0.6%	-9.5%	5.8%
5172	Wireless Telecom Carriers	30	0.18	0.6%	-44.3%	29.1%	1.2%	-44.7%	40.2%
IFG	Advanced industries manufacturing	2,530	0.37	47.7%	1.4%	1.3%	50.2%	-3.2%	2.0%
	Advanced industries energy	100	0.13	1.9%	2.9%	-11.7%	5.1%	-0.3%	-11.7%
	Advanced industries services	2,680	0.32	50.4%	1.6%	7.2%	44.7%	-1.9%	7.1%
ADVANCED INDUSTRIES TOTAL		5,310	0.33	100.0%	1.5%	3.8%	100.0%	-2.5%	3.3%

† 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.