

Lancaster, PA

Advanced industries employ

13,740

full-time workers. (2013)

These direct jobs supports an additional

10,990

indirect jobs in other industries in the region.

Advanced industries produce

\$2.1

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

Advanced industries pay, on average

\$61,480

dollars per year (2013).

Advanced industries directly account for

5.7%

of all jobs in the region.

This employment share is

#151

among all small metros.

This accounts for

9.4%

of all output in the region (2013).

This compares to average pay of

\$40,340

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

OUTPUT

2.7%

2.7%

3.2%

3.8%

Lancaster, PA

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

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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
5413	Architecture & Engineering	2,640	1.16	19.2%	7.4%	17.6%	7.9%
3315	Foundries	1,270	6.02	9.3%	1.0%	6.7%	12.1%
3399	Misc. Manufacturing	980	2.12	7.2%	12.9%	5.7%	16.8%
3359	Misc. Electrical Equipment	950	4.46	6.9%	1.2%	5.4%	-0.9%
5415	Computer Systems Design	890	0.31	6.4%	13.7%	7.9%	14.9%
3331	Agri., Constr., Mining Machinery	860	2.04	6.2%	4.6%	5.1%	3.3%
5416	Management Consulting	750	0.37	5.4%	11.4%	5.5%	10.6%
5417	R&D Services	610	0.57	4.5%	-14.7%	5.7%	-13.0%
3313	Aluminum Products	480	4.86	3.5%	7.5%	4.4%	16.7%
3339	General Purpose Machinery	440	1.03	3.2%	-0.1%	2.1%	5.5%
3345	Precision Instruments	380	0.57	2.8%	-4.9%	2.5%	-2.9%
3279	Stone & Mineral Products	360	3.10	2.6%	0.1%	1.6%	-4.2%
3362	Motor Vehicle Body & Trailers	330	1.44	2.4%	-8.9%	1.6%	0.7%
3344	Semiconductors	290	0.46	2.1%	-5.1%	2.0%	-3.5%
5191	Web Search Portals and Internet Publishing	280	0.85	2.0%	-0.5%	1.3%	5.2%
3391	Medical Equipment & Supplies	280	0.54	2.0%	1.6%	2.2%	0.8%
3311	Iron & Steel Products	260	1.71	1.9%	7.1%	2.7%	16.0%
3254	Pharmaceuticals	210	0.45	1.5%	-7.4%	4.7%	-10.6%
3342	Communications Equipment	190	1.15	1.4%	-7.1%	1.2%	-6.1%
6215	Medical and Diagnostic Laboratories	190	0.46	1.4%	7.2%	0.7%	8.9%
5112	Software Products	160	0.32	1.2%	0.4%	3.6%	-2.9%
3332	Industrial Machinery	130	0.75	1.0%	21.3%	0.8%	28.6%
2211	Power Generation & Supply	130	0.20	1.0%	2.9%	3.5%	2.1%
3259	Misc. Chemicals	100	0.70	0.7%	-7.2%	0.9%	-13.0%
3353	Electrical Equipment	80	0.32	0.6%	5.8%	0.3%	3.4%
Advanced industries manufacturing		8,000	0.87	58.2%	1.6%	53.1%	2.7%
Advanced industries energy		140	0.13	1.0%	2.8%	3.7%	2.9%
Advanced industries services		5,610	0.54	40.8%	4.2%	43.2%	3.8%
ADVANCED INDUSTRIES TOTAL		13,740	0.66	100.0%	2.7%	100.0%	3.2%

† 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.