

## Gettysburg, PA

Advanced industries employ

1,990

full-time workers. (2013)

These direct jobs supports an additional

1,590

indirect jobs in other industries in the region.

Advanced industries produce

\$0.3

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

Advanced industries pay, on average

\$65,200

dollars per year (2013).

Advanced industries directly account for

5.3%

of all jobs in the region.

This employment share is

#171

among all small metros.

This accounts for

8.9%

of all output in the region (2013).

This compares to average pay of

\$34,140

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

4.9%

2.7%

Gettysburg, PA

U.S.

**OUTPUT**

3.5%

3.8%

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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
3359	Misc. Electrical Equipment	440	13.16	22.2%	6.4%	16.3%	3.8%
3344	Semiconductors	120	1.21	6.1%	4.8%	5.4%	6.6%
3345	Precision Instruments	120	1.15	6.1%	5.2%	5.1%	7.2%
5417	R&D Services	120	0.69	5.9%	5.0%	7.7%	7.7%
5191	Web Search Portals and Internet Publishing	110	2.02	5.3%	6.0%	3.1%	12.0%
3271	Clay Product and Refractory Manufacturing	100	9.99	5.2%	6.1%	3.1%	5.1%
3351	Electrical Lighting Equipment	90	7.17	4.6%	5.3%	3.0%	3.8%
3331	Agri., Constr., Mining Machinery	80	1.26	4.2%	2.5%	3.5%	0.4%
3339	General Purpose Machinery	80	1.21	4.2%	2.5%	2.8%	7.5%
5413	Architecture & Engineering	80	0.23	4.1%	5.4%	3.9%	6.9%
3315	Foundries	80	2.33	3.9%	0.4%	3.1%	10.9%
5415	Computer Systems Design	60	0.14	3.1%	-4.0%	3.9%	-2.4%
3391	Medical Equipment & Supplies	60	0.71	2.9%	9.6%	2.8%	9.4%
2211	Power Generation & Supply	60	0.52	2.8%	-3.9%	8.9%	-4.8%
3259	Misc. Chemicals	50	2.43	2.7%	12.4%	5.9%	8.7%
3399	Misc. Manufacturing	50	0.71	2.6%	10.1%	1.8%	14.1%
5416	Management Consulting	50	0.16	2.5%	6.8%	2.6%	6.6%
3253	Pesticides & Fertilizers	40	3.79	1.9%	12.1%	3.6%	5.3%
3241	Petroleum & Coal Products	30	0.87	1.3%	9.1%	1.0%	-11.1%
5179	Other telecommunications	20	1.02	1.2%	-9.5%	5.3%	-10.8%
6215	Medical and Diagnostic Laboratories	20	0.35	1.2%	66.3%	0.6%	68.7%
3279	Stone & Mineral Products	20	1.13	1.1%	7.3%	0.6%	1.9%
3342	Communications Equipment	20	0.56	0.8%	4.9%	0.6%	6.2%
3332	Industrial Machinery	10	0.49	0.7%	5.3%	0.6%	8.0%
3333	Commercial & Service Machinery	10	0.43	0.5%	0.0%	0.3%	-0.9%
Advanced industries manufacturing		1,460	1.00	73.1%	5.6%	62.1%	5.4%
Advanced industries energy		60	0.36	3.1%	-3.0%	10.1%	-2.5%
Advanced industries services		470	0.29	23.8%	4.0%	27.8%	1.8%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>1,990</b>	<b>0.61</b>	<b>100.0%</b>	<b>4.9%</b>	<b>100.0%</b>	<b>3.5%</b>

† 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.