

Portland, ME

Advanced industries employ

19,790

full-time workers. (2013)

These direct jobs supports an additional

15,830

indirect jobs in other industries in the region.

Advanced industries produce

\$2.6

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

Advanced industries pay, on average

\$74,540

dollars per year (2013).

Advanced industries directly

account for

7.3%

of all jobs in the region.

This employment share is

#91

among all small metros.

This accounts for

11.0%

of all output in the region (2013).

This compares to average pay of

\$45,100

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

0.9%

2.7%

Portland, ME

U.S.

OUTPUT

3.8%

-1.4%

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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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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
3366	Ships & Boats	4,160	16.97	21.0%	-0.9%	16.2%	-1.2%
5415	Computer Systems Design	2,840	0.87	14.3%	4.9%	14.4%	6.0%
5413	Architecture & Engineering	2,820	1.10	14.3%	1.7%	11.8%	2.4%
5416	Management Consulting	1,910	0.84	9.7%	1.3%	8.3%	0.6%
3254	Pharmaceuticals	1,380	2.62	7.0%	5.4%	12.3%	0.0%
3364	Aircraft Products & Parts	1,130	1.18	5.7%	-0.3%	6.0%	0.2%
3344	Semiconductors	910	1.28	4.6%	-3.2%	5.7%	-2.4%
6215	Medical and Diagnostic Laboratories	500	1.06	2.5%	4.1%	1.5%	4.8%
3391	Medical Equipment & Supplies	440	0.75	2.2%	2.0%	1.4%	-2.6%
3339	General Purpose Machinery	440	0.89	2.2%	6.0%	1.6%	6.9%
5191	Web Search Portals and Internet Publishing	350	0.94	1.8%	-3.9%	0.7%	-8.7%
2211	Power Generation & Supply	330	0.44	1.7%	-4.1%	7.4%	-5.7%
5417	R&D Services	280	0.23	1.4%	-6.3%	2.0%	-0.6%
5182	Data Processing & Hosting	250	0.48	1.3%	-9.9%	1.1%	-38.0%
3399	Misc. Manufacturing	240	0.46	1.2%	3.2%	0.5%	0.4%
3279	Stone & Mineral Products	190	1.40	0.9%	13.6%	0.5%	10.6%
3342	Communications Equipment	170	0.90	0.9%	-17.8%	1.2%	-17.0%
3362	Motor Vehicle Body & Trailers	160	0.63	0.8%	33.5%	0.2%	27.3%
3345	Precision Instruments	150	0.20	0.7%	-3.4%	0.9%	-4.1%
3331	Agri., Constr., Mining Machinery	140	0.30	0.7%	5.5%	0.6%	5.5%
3241	Petroleum & Coal Products	130	0.60	0.7%	-6.1%	1.4%	-18.9%
3336	Engine & Power Equipment	110	0.57	0.6%	7.6%	0.5%	8.2%
3332	Industrial Machinery	100	0.49	0.5%	-1.6%	0.4%	-1.0%
5179	Other telecommunications	90	0.56	0.5%	6.7%	0.7%	18.1%
3251	Basic Chemicals	80	0.27	0.4%	9.6%	0.5%	3.1%
Advanced industries manufacturing		10,350	0.99	52.3%	0.3%	51.6%	-1.8%
Advanced industries energy		330	0.27	1.7%	-4.1%	7.4%	-5.7%
Advanced industries services		9,110	0.77	46.0%	1.9%	41.0%	0.1%
ADVANCED INDUSTRIES TOTAL		19,790	0.84	100.0%	0.9%	100.0%	-1.4%

† 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.