

Hagerstown, MD-WV

Advanced industries employ

5,470

full-time workers. (2013)

These direct jobs supports an additional

4,380

indirect jobs in other industries in
the region.

Advanced industries produce

\$1.0

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

Advanced industries pay, on average

\$73,140

dollars per year (2013).

Advanced industries directly
account for

5.2%

of all jobs in the region.

This employment share is

#173

among all small metros.

This accounts for

9.8%

of all output in the region (2013).

This compares to average pay of

\$39,630

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

8.6%

2.7%

Hagerstown, MD-WV

U.S.

OUTPUT

7.1%

3.8%

Hagerstown, MD-WV

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
3336	Engine & Power Equipment	1,070	14.36	19.6%	11.2%	16.2%	16.1%
5415	Computer Systems Design	990	0.79	18.0%	14.5%	16.1%	15.7%
6215	Medical and Diagnostic Laboratories	980	5.42	18.0%	124.2%	7.7%	121.6%
5413	Architecture & Engineering	480	0.48	8.7%	-3.3%	6.5%	-2.5%
5416	Management Consulting	330	0.38	6.0%	-7.9%	5.3%	-9.0%
2211	Power Generation & Supply	240	0.81	4.3%	-1.6%	10.5%	-2.8%
3363	Motor Vehicle Parts	190	0.51	3.5%	5.6%	1.2%	18.8%
5182	Data Processing & Hosting	180	0.93	3.4%	-18.4%	2.5%	-11.8%
3271	Clay Product and Refractory Manufacturing	110	3.66	1.9%	-14.3%	1.4%	-10.3%
3364	Aircraft Products & Parts	110	0.29	1.9%	7.3%	3.9%	7.6%
3254	Pharmaceuticals	100	0.51	1.9%	1.0%	6.5%	2.1%
3339	General Purpose Machinery	70	0.39	1.4%	1.9%	1.5%	4.5%
3251	Basic Chemicals	70	0.64	1.2%	1.5%	2.6%	-2.4%
3331	Agri., Constr., Mining Machinery	60	0.34	1.2%	8.7%	1.6%	19.9%
3332	Industrial Machinery	50	0.60	0.9%	9.3%	1.1%	12.1%
3252	Resins & Synthetic Rubbers	40	0.59	0.7%	2.6%	2.2%	8.7%
3259	Misc. Chemicals	40	0.65	0.7%	3.6%	0.8%	-5.3%
5112	Software Products	40	0.17	0.7%	35.1%	2.8%	54.9%
5179	Other telecommunications	40	0.58	0.7%	1.9%	2.1%	-3.4%
3345	Precision Instruments	40	0.12	0.6%	1.0%	0.4%	2.2%
5174	Satellite Telecommunications	30	4.49	0.5%	4.9%	2.1%	15.9%
3253	Pesticides & Fertilizers	30	1.05	0.5%	2.4%	0.9%	0.9%
5417	R&D Services	30	0.06	0.5%	34.9%	0.4%	32.3%
3399	Misc. Manufacturing	20	0.10	0.4%	-27.0%	0.3%	-24.8%
3241	Petroleum & Coal Products	20	0.21	0.3%	-8.2%	0.6%	-15.3%
Advanced industries manufacturing		2,110	0.53	38.7%	4.1%	43.0%	6.2%
Advanced industries energy		240	0.51	4.4%	-1.6%	10.6%	-2.6%
Advanced industries services		3,110	0.68	56.9%	13.2%	46.4%	10.9%
ADVANCED INDUSTRIES TOTAL		5,470	0.60	100.0%	8.6%	100.0%	7.1%

† 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.