

Great Falls, MT

Advanced industries employ
840
full-time workers. (2013)

These direct jobs supports an additional
670
indirect jobs in other industries in
the region.

Advanced industries produce
\$0.1
billion dollars in output in the region.
(2013, 2005 Chained)

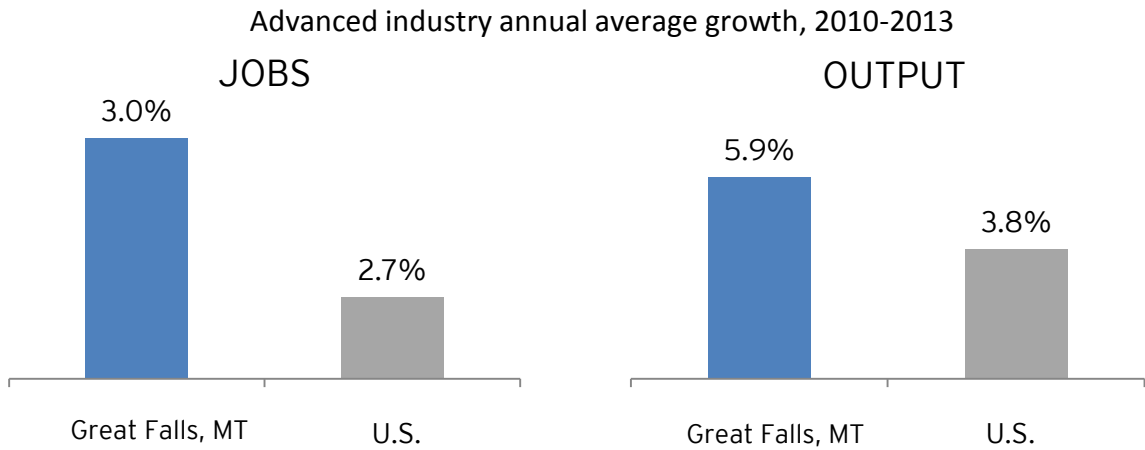
Advanced industries pay, on average
\$57,600
dollars per year (2013).

Advanced industries directly
account for
2.1%
of all jobs in the region.

This employment share is
#272
among all small metros.

This accounts for
4.8%
of all output in the region (2013).

This compares to average pay of
\$36,810
for all industries (2013).



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	220	0.57	26.3%	-0.3%	16.3%	2.4%
2211	Power Generation & Supply	100	0.92	12.4%	3.1%	20.5%	-2.6%
5416	Management Consulting	50	0.15	6.2%	2.0%	4.2%	0.5%
5417	R&D Services	50	0.27	5.8%	-2.0%	4.7%	0.4%
5415	Computer Systems Design	50	0.10	5.6%	-7.8%	4.3%	-4.8%
5174	Satellite Telecommunications	40	16.88	5.2%	9.0%	5.9%	13.0%
3241	Petroleum & Coal Products	30	1.02	3.9%	8.3%	19.7%	21.4%
3399	Misc. Manufacturing	30	0.39	3.7%	17.7%	0.9%	10.5%
5182	Data Processing & Hosting	30	0.38	3.4%	8.0%	1.9%	0.2%
5172	Wireless Telecom Carriers	30	0.57	3.0%	6.0%	2.0%	3.8%
3362	Motor Vehicle Body & Trailers	20	0.59	2.7%	4.8%	0.9%	10.4%
6215	Medical and Diagnostic Laboratories	20	0.33	2.7%	8.5%	1.4%	8.2%
3364	Aircraft Products & Parts	20	0.15	2.5%	5.3%	3.3%	35.7%
3391	Medical Equipment & Supplies	20	0.23	2.4%	15.4%	1.3%	17.1%
3359	Misc. Electrical Equipment	20	0.42	1.8%	4.9%	0.4%	-13.7%
3344	Semiconductors	10	0.13	1.7%	26.0%	1.3%	34.2%
5179	Other telecommunications	10	0.58	1.7%	5.3%	3.9%	21.1%
3363	Motor Vehicle Parts	10	0.08	1.3%	11.2%	0.1%	-1.1%
5191	Web Search Portals and Internet Publishing	10	0.20	1.3%	11.2%	1.0%	42.5%
3361	Motor Vehicles	10	0.19	1.2%	3.6%	1.2%	16.5%
3353	Electrical Equipment	10	0.22	1.1%	8.7%	0.3%	-8.7%
3342	Communications Equipment	10	0.28	1.0%	-3.9%	0.6%	-0.8%
3331	Agri., Constr., Mining Machinery	10	0.08	0.7%	6.3%	0.4%	0.9%
3279	Stone & Mineral Products	10	0.25	0.6%	-5.9%	1.0%	-12.4%
2122	Metal Ore Mining	-	0.31	0.5%	10.1%	1.0%	12.4%
Advanced industries manufacturing		220	0.14	25.8%	8.7%	32.5%	16.5%
Advanced industries energy		110	0.59	12.8%	3.3%	21.6%	-2.0%
Advanced industries services		520	0.29	61.4%	0.9%	45.9%	4.1%
ADVANCED INDUSTRIES TOTAL		840	0.24	100.0%	3.0%	100.0%	5.9%

† 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.