

Fargo, ND-MN

Advanced industries employ

10,393

full-time workers. (2015)

These direct jobs supports an additional

8,310

indirect jobs in other industries in the region.

Advanced industries produce

\$1.4

billion dollars in output in the region.
(2015, 2009 Chained)

Advanced industries pay, on average

\$72,752

dollars per year (2015).

Advanced industries directly account for

7.3%

of all jobs in the region.

This employment share is

#97

among all small metros.

This accounts for

11.1%

of all output in the region (2015).

This compares to average pay of

\$44,954

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK:
#201

2.70%

JOBS

RANK:
#188

2.46%

0.07%

0.31%

Fargo, ND-MN

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

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DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

Fargo, ND-MN

Twenty-Five Largest Advanced Industries (2015)

There are 7 advanced industries in Fargo, ND-MN with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010- 2013	2013- 2015		2010- 2013	2013- 2015
5415	Computer Systems Design	1,900	1.03	18.3%	9.5%	9.7%	10.6%	16.0%	13.5%
5413	Engineering	1,550	1.13	14.9%	13.2%	4.9%	12.4%	16.8%	2.9%
5112	Software Products	1,090	3.37	10.5%	-2.4%	-7.5%	21.3%	2.4%	0.2%
3331	Agri., Constr., Mining Machinery	870	3.80	8.4%	8.1%	-9.3%	11.6%	16.7%	-9.4%
3363	Motor Vehicle Parts	630	1.16	6.1%	20.9%	-2.5%	2.7%	17.2%	-1.6%
3341	Computer Equipment	590	3.74	5.6%	8.5%	-3.5%	5.7%	28.6%	-3.0%
5182	Data Processing & Hosting	500	1.74	4.8%	-1.8%	-2.9%	2.7%	-15.3%	-0.3%
3336	Engine & Power Equipment	470	4.71	4.5%	-1.5%	-8.8%	6.4%	-6.2%	-9.5%
5417	R&D Services	440	0.68	4.2%	-15.1%	6.7%	4.8%	-10.2%	7.3%
5416	Management Consulting	400	0.33	3.9%	10.2%	8.9%	3.4%	16.4%	6.3%
3361	Motor Vehicles	230	1.18	2.3%	13.3%	-1.3%	1.5%	11.1%	0.9%
3391	Medical Equipment & Supplies	140	0.46	1.3%	3.0%	-2.1%	0.9%	6.1%	1.6%
3339	General Purpose Machinery	130	0.51	1.3%	9.0%	6.2%	0.8%	8.0%	-6.0%
3345	Precision Instruments	130	0.34	1.3%	5.8%	3.2%	0.5%	19.5%	1.3%
2211	Power Generation & Supply	120	0.32	1.2%	-1.7%	2.6%	2.6%	4.0%	-7.0%
3362	Motor Vehicle Body & Trailers	120	0.81	1.1%	14.0%	-0.8%	0.3%	4.4%	7.3%
3279	Stone & Mineral Products	110	1.54	1.1%	5.9%	1.9%	0.3%	11.0%	4.0%
3251	Basic Chemicals	90	0.65	0.9%	23.2%	13.5%	1.8%	19.1%	6.3%
3399	Misc. Manufacturing	90	0.32	0.8%	-10.5%	-1.7%	0.3%	1.2%	4.5%
3241	Petroleum & Coal Products	80	0.76	0.8%	4.0%	-0.6%	3.8%	1.5%	4.5%
3344	Semiconductors	80	0.21	0.7%	10.5%	-1.3%	0.1%	38.8%	2.8%
3359	Misc. Electrical Equipment	70	0.57	0.7%	9.1%	5.2%	0.7%	4.9%	31.5%
6215	Medical and Diagnostic Laboratories	60	0.25	0.6%	27.4%	2.5%	0.3%	18.9%	2.7%
3351	Electrical Lighting Equipment	60	1.30	0.6%	10.1%	4.4%	0.4%	3.0%	35.6%
3315	Foundries	40	0.34	0.4%	6.8%	2.5%	0.1%	18.1%	-3.5%
IFG	Advanced industries manufacturing	4,220	0.78	40.6%	8.0%	-3.5%	40.3%	9.8%	-4.1%
	Advanced industries energy	130	0.20	1.2%	-0.8%	2.5%	2.7%	3.9%	-8.7%
	Advanced industries services	6,050	0.94	58.2%	3.4%	3.2%	57.0%	4.6%	3.9%
	ADVANCED INDUSTRIES TOTAL	10,390	0.83	100.0%	5.2%	0.3%	100.0%	6.7%	0.1%

† 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.