

Mankato, MN

Advanced industries employ

4,310

full-time workers. (2013)

These direct jobs supports an additional

3,450

indirect jobs in other industries in
the region.

Advanced industries produce

\$0.9

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

Advanced industries pay, on average

\$53,900

dollars per year (2013).

Advanced industries directly
account for

7.6%

of all jobs in the region.

This employment share is

#82

among all small metros.

This accounts for

16.7%

of all output in the region (2013).

This compares to average pay of

\$36,200

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

2.7%

Mankato, MN

U.S.

OUTPUT

5.7%

3.8%

Mankato, MN

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
3344	Semiconductors	620	4.11	14.3%	-2.0%	10.8%	4.2%
3353	Electrical Equipment	500	8.62	11.5%	2.4%	7.2%	4.1%
5413	Architecture & Engineering	330	0.61	7.6%	6.7%	5.1%	5.8%
3399	Misc. Manufacturing	310	2.81	7.2%	8.9%	5.6%	6.1%
2211	Power Generation & Supply	280	1.75	6.4%	-1.6%	15.2%	5.3%
5172	Wireless Telecom Carriers	270	4.33	6.2%	8.3%	7.1%	12.9%
3369	Misc. Transportation Equipment	180	14.25	4.2%	9.1%	6.7%	16.3%
3331	Agri., Constr., Mining Machinery	170	1.73	4.0%	5.3%	2.6%	7.1%
5415	Computer Systems Design	170	0.24	3.8%	-5.5%	3.5%	-5.1%
3363	Motor Vehicle Parts	150	0.73	3.4%	9.7%	2.0%	13.3%
3359	Misc. Electrical Equipment	130	2.50	2.9%	1.1%	1.9%	-0.1%
5182	Data Processing & Hosting	130	1.18	2.9%	4.9%	2.1%	-0.6%
3362	Motor Vehicle Body & Trailers	100	1.81	2.3%	9.8%	0.6%	7.7%
3366	Ships & Boats	100	1.85	2.2%	8.7%	3.9%	26.2%
3339	General Purpose Machinery	90	0.92	2.2%	3.0%	1.1%	5.6%
5416	Management Consulting	80	0.17	1.9%	-3.9%	1.4%	-5.2%
3345	Precision Instruments	70	0.45	1.6%	-4.4%	1.4%	-2.4%
3315	Foundries	60	1.26	1.5%	7.3%	0.5%	11.0%
5417	R&D Services	60	0.23	1.3%	3.7%	1.3%	11.0%
2122	Metal Ore Mining	60	3.16	1.3%	6.0%	3.0%	1.8%
3342	Communications Equipment	50	1.15	1.1%	-4.0%	1.0%	-1.8%
6215	Medical and Diagnostic Laboratories	50	0.46	1.0%	3.2%	0.5%	-3.3%
5112	Software Products	40	0.30	0.8%	10.1%	2.0%	1.2%
3259	Misc. Chemicals	30	0.96	0.7%	1.1%	0.7%	-1.5%
3352	Household Appliances	30	1.25	0.7%	1.2%	0.7%	0.6%
Advanced industries manufacturing		2,800	1.28	64.9%	2.9%	55.2%	7.2%
Advanced industries energy		330	1.30	7.7%	-0.5%	18.2%	4.7%
Advanced industries services		1,180	0.48	27.4%	3.2%	26.6%	3.6%
ADVANCED INDUSTRIES TOTAL		4,310	0.88	100.0%	2.7%	100.0%	5.7%

† 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.