

Mansfield, OH

Advanced industries employ

6,250

full-time workers. (2013)

These direct jobs supports an additional

5,000

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

\$50,920

dollars per year (2013).

Advanced industries directly account for

11.7%

of all jobs in the region.

This employment share is

#26

among all small metros.

This accounts for

18.3%

of all output in the region (2013).

This compares to average pay of

\$35,640

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

0.3%

Mansfield, OH

U.S.

OUTPUT

4.0%

3.8%

Mansfield, OH

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
3363	Motor Vehicle Parts	1,510	7.85	24.1%	-2.4%	23.9%	5.9%
3345	Precision Instruments	1,130	7.61	18.0%	0.2%	12.5%	-1.4%
3339	General Purpose Machinery	730	7.54	11.6%	1.2%	9.4%	5.2%
3311	Iron & Steel Products	490	14.32	7.9%	11.9%	7.6%	20.9%
3353	Electrical Equipment	360	6.61	5.7%	0.1%	6.3%	-1.8%
3331	Agri., Constr., Mining Machinery	330	3.49	5.3%	-0.8%	3.7%	3.1%
3315	Foundries	180	3.75	2.8%	10.6%	1.7%	16.3%
5417	R&D Services	160	0.68	2.6%	-2.7%	2.9%	0.8%
5416	Management Consulting	150	0.34	2.4%	30.8%	2.2%	27.3%
3352	Household Appliances	150	6.76	2.4%	2.1%	2.3%	-1.0%
5413	Architecture & Engineering	140	0.27	2.2%	-0.9%	1.9%	-1.9%
5172	Wireless Telecom Carriers	100	1.64	1.5%	5.0%	1.9%	7.9%
3361	Motor Vehicles	90	1.29	1.5%	-2.1%	2.1%	7.0%
3313	Aluminum Products	70	3.12	1.1%	12.1%	0.9%	12.8%
3336	Engine & Power Equipment	60	1.57	1.0%	-0.5%	0.6%	1.6%
3364	Aircraft Products & Parts	60	0.32	0.9%	-2.7%	4.3%	4.9%
2211	Power Generation & Supply	60	0.39	0.9%	0.6%	4.9%	12.8%
5191	Web Search Portals and Internet Publishing	60	0.79	0.9%	3.7%	0.8%	1.2%
3359	Misc. Electrical Equipment	40	0.86	0.7%	-13.3%	0.6%	-16.3%
3271	Clay Product and Refractory Manufacturing	40	2.73	0.6%	1.7%	0.7%	8.4%
5182	Data Processing & Hosting	30	0.33	0.5%	4.4%	0.5%	9.1%
3241	Petroleum & Coal Products	30	0.71	0.5%	14.5%	3.4%	10.2%
3332	Industrial Machinery	30	0.72	0.5%	2.4%	0.4%	7.5%
5415	Computer Systems Design	30	0.05	0.5%	-37.0%	0.5%	-35.6%
3279	Stone & Mineral Products	30	1.07	0.4%	2.5%	0.4%	7.0%
Advanced industries manufacturing		5,500	2.67	88.0%	0.3%	83.9%	4.1%
Advanced industries energy		70	0.27	1.0%	0.5%	5.1%	11.8%
Advanced industries services		680	0.29	10.9%	0.0%	11.0%	0.3%
ADVANCED INDUSTRIES TOTAL		6,250	1.35	100.0%	0.3%	100.0%	4.0%

† 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.