

Ohio

Advanced industries employ

481,540

full-time workers. (2013)

These direct jobs supports an additional

385,230

indirect jobs in other industries in
the region.

Advanced industries produce

\$84.8

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

Advanced industries pay, on average

\$70,670

dollars per year (2013).

Advanced industries directly
account for

9.0%

of all jobs in the region.

This employment share is

#16

among all states.

This accounts for

16.1%

of all output in the region (2013).

This compares to average pay of

\$45,460

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.9%

2.7%

Ohio

U.S.

OUTPUT

5.7%

3.8%

Ohio

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

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

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

Twenty-Five Largest Advanced Industries (2013)

There are 15 advanced industries in Ohio with LQs over 1.5. LQs over 1.5 indicate specialization †

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	65,020	3.37	13.5%	6.2%	9.2%	15.6%
5415	Computer Systems Design	53,900	0.84	11.2%	5.1%	8.9%	5.3%
5413	Architecture & Engineering	39,830	0.78	8.3%	1.5%	5.4%	1.1%
5416	Management Consulting	26,670	0.59	5.5%	4.4%	3.7%	2.6%
3339	General Purpose Machinery	23,670	2.44	4.9%	5.5%	2.9%	8.8%
3361	Motor Vehicles	20,400	2.88	4.2%	3.7%	4.4%	14.3%
5417	R&D Services	16,610	0.69	3.4%	2.4%	3.0%	4.2%
3364	Aircraft Products & Parts	16,290	0.86	3.4%	2.3%	5.7%	9.6%
2211	Power Generation & Supply	13,570	0.91	2.8%	-3.7%	12.5%	9.3%
3315	Foundries	13,020	2.74	2.7%	2.7%	1.5%	7.9%
3399	Misc. Manufacturing	12,250	1.18	2.5%	2.0%	1.2%	1.7%
3391	Medical Equipment & Supplies	10,230	0.89	2.1%	2.2%	1.3%	1.5%
3345	Precision Instruments	10,070	0.68	2.1%	1.5%	1.2%	0.2%
3352	Household Appliances	9,720	4.41	2.0%	2.0%	1.5%	0.5%
3332	Industrial Machinery	9,330	2.32	1.9%	5.1%	1.3%	8.1%
3311	Iron & Steel Products	9,260	2.68	1.9%	-1.2%	1.7%	6.4%
3251	Basic Chemicals	9,190	1.69	1.9%	-0.1%	3.9%	2.4%
3353	Electrical Equipment	8,340	1.53	1.7%	2.6%	1.5%	0.4%
3362	Motor Vehicle Body & Trailers	7,550	1.47	1.6%	12.3%	0.9%	19.3%
6215	Medical and Diagnostic Laboratories	7,480	0.80	1.6%	0.4%	0.8%	1.7%
3279	Stone & Mineral Products	7,020	2.67	1.5%	1.4%	0.9%	4.8%
3359	Misc. Electrical Equipment	6,570	1.38	1.4%	4.2%	1.1%	1.3%
3344	Semiconductors	6,340	0.45	1.3%	-1.1%	0.7%	-0.8%
3252	Resins & Synthetic Rubbers	5,800	1.66	1.2%	2.3%	2.1%	4.3%
3331	Agri., Constr., Mining Machinery	5,790	0.61	1.2%	5.7%	0.8%	8.6%
Advanced industries manufacturing		297,730	1.44	61.8%	3.1%	59.4%	6.3%
Advanced industries energy		15,570	0.65	3.2%	-2.7%	13.3%	8.5%
Advanced industries services		168,240	0.72	34.9%	3.2%	27.3%	3.1%
ADVANCED INDUSTRIES TOTAL		481,540	1.03	100.0%	2.9%	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.