

Ohio

Advanced industries employ

502,907

full-time workers. (2015)

These direct jobs supports an additional

402,330

indirect jobs in other industries in the region.

Advanced industries produce

\$81.6

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

Advanced industries pay, on average

\$73,084

dollars per year (2015).

Advanced industries directly account for

9.1%

of all jobs in the region.

This employment share is

#16

among all states.

This accounts for

15.4%

of all output in the region (2015).

This compares to average pay of

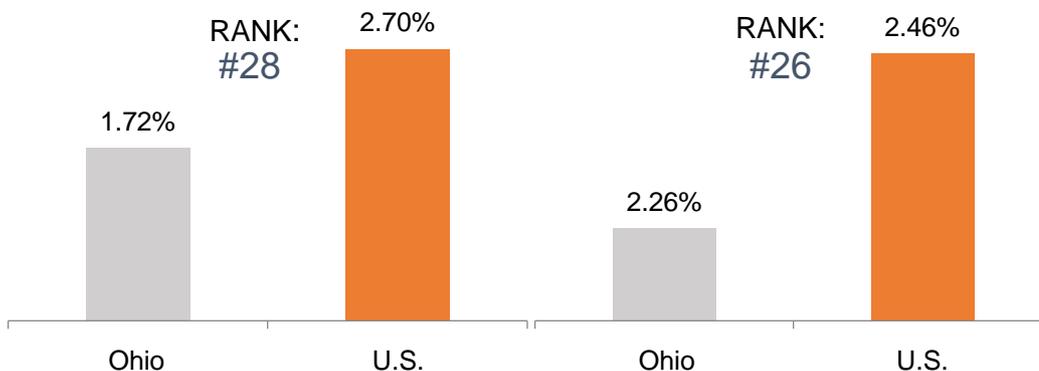
\$47,501

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOBS



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.



Twenty-Five Largest Advanced Industries (2015)

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 (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
3363	Motor Vehicle Parts	73,060	3.43	14.5%	6.3%	5.8%	11.2%	12.7%	5.5%
5415	Computer Systems Design	57,570	0.80	11.4%	4.9%	3.6%	8.7%	1.7%	6.0%
5413	Engineering	40,700	0.77	8.1%	1.4%	1.3%	5.6%	0.9%	0.1%
5416	Management Consulting	29,580	0.61	5.9%	5.0%	3.3%	4.3%	3.0%	2.8%
3339	General Purpose Machinery	25,080	2.49	5.0%	5.7%	2.8%	3.0%	8.1%	0.0%
3361	Motor Vehicles	22,130	2.86	4.4%	4.3%	3.3%	4.9%	11.1%	2.4%
5417	R&D Services	17,730	0.71	3.5%	2.2%	3.5%	3.4%	4.1%	4.1%
3364	Aircraft Products & Parts	17,580	0.95	3.5%	2.3%	3.9%	4.7%	10.9%	5.2%
3315	Foundries	14,020	3.00	2.8%	3.0%	3.4%	1.5%	8.7%	-0.3%
3399	Misc. Manufacturing	12,770	1.20	2.5%	1.8%	2.7%	1.1%	-3.5%	4.4%
2211	Power Generation & Supply	12,680	0.85	2.5%	-4.0%	-0.6%	9.5%	6.6%	-8.2%
3345	Precision Instruments	10,940	0.73	2.2%	1.8%	6.0%	1.5%	8.1%	0.2%
3332	Industrial Machinery	10,090	2.37	2.0%	5.2%	3.8%	1.4%	7.3%	3.1%
3352	Household Appliances	9,850	4.25	2.0%	2.1%	0.5%	1.5%	-2.3%	0.9%
3251	Basic Chemicals	9,570	1.70	1.9%	-0.1%	1.9%	3.1%	-7.5%	1.9%
3391	Medical Equipment & Supplies	9,290	0.80	1.8%	2.0%	-4.2%	1.1%	-3.9%	-1.0%
3353	Electrical Equipment	8,730	1.62	1.7%	2.7%	2.2%	1.4%	-2.1%	0.5%
3311	Iron & Steel Products	8,600	2.56	1.7%	-1.4%	-3.3%	1.5%	5.9%	-6.6%
3362	Motor Vehicle Body & Trailers	8,560	1.51	1.7%	12.2%	6.6%	1.1%	16.0%	8.6%
3279	Stone & Mineral Products	7,590	2.72	1.5%	1.4%	4.0%	1.0%	6.4%	1.0%
6215	Medical and Diagnostic Laboratories	7,250	0.74	1.4%	0.3%	-1.5%	0.8%	0.7%	-0.4%
3359	Misc. Electrical Equipment	6,970	1.42	1.4%	4.2%	2.9%	1.1%	-1.5%	1.6%
3344	Semiconductors	6,520	0.47	1.3%	-0.8%	3.2%	1.0%	6.9%	0.1%
5182	Data Processing & Hosting	6,070	0.54	1.2%	10.2%	2.0%	0.9%	7.3%	4.7%
3331	Agri., Constr., Mining Machinery	6,070	0.68	1.2%	5.8%	2.2%	0.8%	7.9%	0.6%
IFG	Advanced industries manufacturing	313,130	1.49	62.3%	3.2%	2.5%	60.0%	3.7%	2.5%
	Advanced industries energy	14,710	0.62	2.9%	-2.9%	-0.5%	11.2%	6.8%	-5.0%
	Advanced industries services	175,070	0.70	34.8%	3.2%	2.1%	28.8%	2.0%	3.0%
	ADVANCED INDUSTRIES TOTAL	502,910	1.04	100.0%	3.0%	2.3%	100.0%	3.6%	1.7%

† 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.