

Memphis, TN-MS-AR

Advanced industries employ

31,660

full-time workers. (2013)

These direct jobs supports an additional

25,330

indirect jobs in other industries in
the region.

Advanced industries produce

\$5.3

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

Advanced industries pay, on average

\$79,350

dollars per year (2013).

Advanced industries directly
account for

5.1%

of all jobs in the region.

This employment share is

#89

among all large metros.

This accounts for

9.0%

of all output in the region (2013).

This compares to average pay of

\$48,090

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.8%

2.7%

Memphis, TN-MS-AR

U.S.

OUTPUT

3.5%

3.8%

Memphis, TN-MS-AR

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.

Memphis, TN-MS-AR

Twenty-Five Largest Advanced Industries (2013)

There are 7 advanced industries in Memphis, TN-MS-AR 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
3391	Medical Equipment & Supplies	5,580	4.20	17.6%	-1.2%	16.2%	-1.6%
5413	Architecture & Engineering	4,970	0.85	15.7%	14.0%	12.3%	11.1%
5416	Management Consulting	2,810	0.54	8.9%	-2.1%	7.6%	-2.3%
5415	Computer Systems Design	2,280	0.31	7.2%	-0.9%	7.5%	0.9%
6215	Medical and Diagnostic Laboratories	1,410	1.31	4.4%	4.0%	2.4%	5.0%
3351	Electrical Lighting Equipment	1,200	5.79	3.8%	6.1%	3.4%	9.4%
3336	Engine & Power Equipment	1,170	2.65	3.7%	8.0%	2.5%	7.4%
3339	General Purpose Machinery	1,140	1.03	3.6%	5.3%	2.7%	9.1%
3251	Basic Chemicals	1,040	1.66	3.3%	3.1%	5.7%	4.2%
3363	Motor Vehicle Parts	940	0.42	3.0%	1.0%	2.2%	6.8%
3252	Resins & Synthetic Rubbers	840	2.09	2.7%	7.0%	3.3%	6.0%
3254	Pharmaceuticals	790	0.66	2.5%	-11.9%	4.3%	-2.3%
5172	Wireless Telecom Carriers	790	1.17	2.5%	0.6%	3.0%	6.7%
3241	Petroleum & Coal Products	710	1.45	2.2%	3.0%	3.7%	-9.9%
3399	Misc. Manufacturing	570	0.48	1.8%	1.4%	1.1%	7.2%
3341	Computer Equipment	560	0.81	1.8%	15.1%	1.2%	-11.6%
5417	R&D Services	520	0.19	1.6%	-7.1%	1.6%	-3.5%
3259	Misc. Chemicals	490	1.35	1.5%	4.1%	2.5%	5.6%
3279	Stone & Mineral Products	360	1.19	1.1%	0.1%	0.7%	5.3%
5182	Data Processing & Hosting	320	0.27	1.0%	9.6%	0.8%	10.0%
3352	Household Appliances	290	1.16	0.9%	2.9%	0.7%	20.4%
3253	Pesticides & Fertilizers	270	1.62	0.8%	3.5%	1.2%	5.7%
5112	Software Products	250	0.19	0.8%	-3.6%	2.1%	0.0%
2211	Power Generation & Supply	250	0.14	0.8%	3.4%	2.4%	-0.7%
3313	Aluminum Products	250	0.97	0.8%	7.4%	0.6%	18.1%
Advanced industries manufacturing		17,840	0.75	56.3%	2.0%	59.2%	3.5%
Advanced industries energy		270	0.10	0.9%	3.7%	2.8%	0.6%
Advanced industries services		13,550	0.50	42.8%	3.9%	38.0%	3.7%
ADVANCED INDUSTRIES TOTAL		31,660	0.59	100.0%	2.8%	100.0%	3.5%

† 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.