

## Lansing, MI

Advanced industries employ

**16,270**

full-time workers. (2013)

These direct jobs supports an additional

**13,020**

indirect jobs in other industries in  
the region.

Advanced industries produce

**\$3.2**

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

Advanced industries pay, on average

**\$70,380**

dollars per year (2013).

Advanced industries directly  
account for

**7.2%**

of all jobs in the region.

This employment share is

**#98**

among all small metros.

This accounts for

**14.7%**

of all output in the region (2013).

This compares to average pay of

**\$40,780**

for all industries (2013).

Advanced industry annual average growth, 2010-2013

**JOBS**

2.0%

2.7%

**OUTPUT**

1.6%

3.8%

Lansing, MI

U.S.

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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
3363	Motor Vehicle Parts	3,290	4.06	20.2%	7.2%	20.6%	7.7%
3361	Motor Vehicles	3,240	10.90	19.9%	-7.1%	31.1%	-4.4%
5415	Computer Systems Design	1,380	0.51	8.5%	-1.0%	6.2%	-1.2%
5413	Architecture & Engineering	1,280	0.60	7.8%	0.9%	4.6%	-0.3%
5416	Management Consulting	1,120	0.60	6.9%	7.6%	4.3%	2.6%
5112	Software Products	860	1.82	5.3%	15.9%	10.2%	17.9%
3364	Aircraft Products & Parts	550	0.69	3.4%	7.6%	1.6%	5.2%
3254	Pharmaceuticals	520	1.18	3.2%	5.0%	3.5%	3.1%
5417	R&D Services	510	0.50	3.1%	2.4%	2.6%	3.5%
5182	Data Processing & Hosting	430	1.00	2.6%	80.0%	0.9%	86.0%
3362	Motor Vehicle Body & Trailers	390	1.80	2.4%	14.9%	1.5%	8.7%
3315	Foundries	310	1.54	1.9%	1.7%	0.7%	2.6%
3332	Industrial Machinery	240	1.41	1.5%	2.3%	0.9%	5.9%
3252	Resins & Synthetic Rubbers	210	1.43	1.3%	1.6%	1.5%	-3.4%
3339	General Purpose Machinery	170	0.42	1.1%	25.3%	0.6%	30.5%
3391	Medical Equipment & Supplies	160	0.34	1.0%	7.3%	0.7%	6.3%
3259	Misc. Chemicals	160	1.19	1.0%	-20.6%	0.9%	-16.1%
3366	Ships & Boats	160	0.77	1.0%	7.6%	0.2%	2.8%
6215	Medical and Diagnostic Laboratories	130	0.33	0.8%	-0.3%	0.4%	1.9%
3313	Aluminum Products	130	1.35	0.8%	3.4%	0.6%	13.0%
3331	Agri., Constr., Mining Machinery	110	0.27	0.7%	0.3%	0.4%	2.0%
3344	Semiconductors	110	0.18	0.7%	6.7%	0.3%	4.3%
5179	Other telecommunications	90	0.68	0.6%	-32.4%	0.6%	-33.7%
3311	Iron & Steel Products	90	0.61	0.5%	5.0%	0.8%	9.4%
3251	Basic Chemicals	80	0.37	0.5%	13.8%	0.2%	-5.4%
Advanced industries manufacturing		10,170	1.17	62.5%	0.7%	67.4%	0.3%
Advanced industries energy		120	0.12	0.8%	10.6%	1.4%	23.4%
Advanced industries services		5,980	0.61	36.7%	4.1%	31.2%	4.1%
<b>ADVANCED INDUSTRIES TOTAL</b>		<b>16,270</b>	<b>0.83</b>	<b>100.0%</b>	<b>2.0%</b>	<b>100.0%</b>	<b>1.6%</b>

† 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.