

## Bay City, MI

Advanced industries employ

**3,259**

full-time workers. (2015)

These direct jobs supports an additional

**2,610**

indirect jobs in other industries in the region.

Advanced industries produce

**\$0.5**

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

Advanced industries pay, on average

**\$96,517**

dollars per year (2015).

Advanced industries directly account for

**8.6%**

of all jobs in the region.

This employment share is

**#71**

among all small metros.

This accounts for

**16.6%**

of all output in the region (2015).

This compares to average pay of

**\$42,661**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

### OUTPUT

3.13%

RANK: #94

2.70%

### JOBS

RANK: #114

2.46%

2.20%

Bay City, MI

U.S.

Bay City, MI

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](http://www.brookings.edu/advancedindustries)

#### SEE THE INTERACTIVE

[www.brookings.edu/advancedindustries](http://www.brookings.edu/advancedindustries)

#### FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

#### DATA NOTES

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

# Bay City, MI

## Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Bay City, MI 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
5415	Computer Systems Design	1,440	2.95	44.2%	4.2%	2.6%	36.8%	2.8%	10.0%
3363	Motor Vehicle Parts	450	3.13	13.9%	8.0%	0.0%	19.5%	12.9%	-2.6%
3252	Resins & Synthetic Rubbers	180	7.43	5.5%	-3.8%	0.6%	5.5%	-7.7%	-4.6%
3359	Misc. Electrical Equipment	120	3.48	3.6%	0.8%	18.2%	2.9%	-6.8%	8.4%
5413	Engineering	110	0.30	3.3%	-4.5%	0.0%	2.5%	-8.5%	4.7%
3339	General Purpose Machinery	90	1.29	2.7%	-4.6%	4.9%	1.5%	-2.6%	-2.0%
3332	Industrial Machinery	80	2.77	2.5%	19.4%	0.0%	1.7%	20.5%	0.3%
5416	Management Consulting	80	0.24	2.4%	22.7%	-4.2%	2.0%	12.7%	3.3%
3315	Foundries	70	2.20	2.1%	-2.8%	1.5%	1.3%	2.3%	-5.1%
3361	Motor Vehicles	70	1.33	2.1%	3.0%	-0.7%	4.3%	8.4%	-4.9%
3353	Electrical Equipment	70	1.83	2.1%	-22.8%	19.4%	1.9%	-25.4%	8.3%
5172	Wireless Telecom Carriers	70	1.92	2.0%	-4.4%	3.2%	1.7%	-1.0%	10.8%
2211	Power Generation & Supply	40	0.39	1.2%	-6.5%	-5.7%	3.5%	-7.8%	-5.7%
3254	Pharmaceuticals	40	0.52	1.1%	27.1%	0.0%	1.1%	26.1%	-5.6%
3391	Medical Equipment & Supplies	40	0.46	1.1%	6.5%	1.4%	0.9%	0.4%	2.4%
3344	Semiconductors	30	0.35	1.0%	0.0%	4.9%	0.6%	3.6%	3.2%
6215	Medical and Diagnostic Laboratories	30	0.47	1.0%	8.4%	5.2%	0.5%	9.6%	-8.0%
3331	Agri., Constr., Mining Machinery	30	0.46	0.9%	5.1%	-1.7%	0.6%	4.7%	-10.5%
3279	Stone & Mineral Products	30	1.42	0.8%	-4.2%	10.8%	0.6%	-4.6%	3.2%
5417	R&D Services	30	0.16	0.8%	32.2%	-14.6%	1.1%	30.0%	0.3%
5112	Software Products	30	0.30	0.8%	-1.3%	2.0%	4.6%	4.2%	9.1%
3362	Motor Vehicle Body & Trailers	30	0.65	0.8%	27.7%	0.0%	0.8%	22.3%	2.8%
5182	Data Processing & Hosting	20	0.30	0.7%	5.0%	2.2%	0.4%	6.3%	15.8%
3345	Precision Instruments	20	0.19	0.6%	-3.5%	2.7%	0.3%	-2.4%	-5.7%
3352	Household Appliances	20	1.02	0.5%	-20.6%	15.5%	0.6%	-35.1%	5.9%
IFG	Advanced industries manufacturing	1,400	0.98	43.0%	1.9%	2.9%	46.1%	2.6%	-1.6%
	Advanced industries energy	50	0.29	1.4%	-5.2%	-5.9%	3.7%	-7.6%	-5.2%
	Advanced industries services	1,810	1.06	55.6%	4.2%	1.9%	50.2%	2.9%	9.0%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>3,260</b>	<b>0.99</b>	<b>100.0%</b>	<b>3.0%</b>	<b>2.2%</b>	<b>100.0%</b>	<b>2.2%</b>	<b>3.1%</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.