

Waco, TX

Advanced industries employ

8,990

full-time workers. (2013)

These direct jobs supports an additional

7,190

indirect jobs in other industries in
the region.

Advanced industries produce

\$2.7

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

Advanced industries pay, on average

\$73,840

dollars per year (2013).

Advanced industries directly
account for

7.8%

of all jobs in the region.

This employment share is

#79

among all small metros.

This accounts for

22.2%

of all output in the region (2013).

This compares to average pay of

\$39,370

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

1.2%

2.7%

OUTPUT

6.5%

3.8%

Waco, TX

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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www.brookings.edu/advancedindustries

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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
3364	Aircraft Products & Parts	1,630	4.05	18.1%	-3.4%	11.5%	3.8%
3345	Precision Instruments	1,570	4.92	17.4%	4.7%	16.2%	7.4%
5413	Architecture & Engineering	570	0.52	6.3%	4.8%	3.1%	4.4%
2211	Power Generation & Supply	470	1.46	5.2%	-1.7%	12.2%	7.7%
3344	Semiconductors	450	1.49	5.0%	4.9%	4.4%	8.0%
3339	General Purpose Machinery	440	2.15	4.9%	10.1%	4.0%	16.8%
3251	Basic Chemicals	390	3.40	4.4%	6.6%	10.0%	8.1%
5415	Computer Systems Design	320	0.24	3.6%	-2.7%	2.5%	-1.8%
3362	Motor Vehicle Body & Trailers	300	2.74	3.3%	14.5%	2.7%	27.9%
3341	Computer Equipment	250	1.99	2.8%	3.1%	5.1%	5.4%
5416	Management Consulting	240	0.25	2.6%	16.3%	1.4%	15.3%
3391	Medical Equipment & Supplies	230	0.94	2.6%	-2.1%	1.0%	-3.8%
6215	Medical and Diagnostic Laboratories	220	1.09	2.4%	-6.4%	0.6%	-6.0%
3399	Misc. Manufacturing	210	0.93	2.3%	-9.4%	0.7%	-11.4%
3342	Communications Equipment	200	2.50	2.2%	6.1%	1.9%	9.8%
3331	Agri., Constr., Mining Machinery	150	0.72	1.6%	16.0%	1.5%	23.5%
3252	Resins & Synthetic Rubbers	130	1.77	1.5%	6.6%	3.2%	7.0%
5179	Other telecommunications	130	1.87	1.4%	1.1%	1.3%	3.6%
3254	Pharmaceuticals	100	0.46	1.1%	6.7%	3.6%	5.5%
3259	Misc. Chemicals	100	1.41	1.1%	8.7%	1.7%	7.2%
5172	Wireless Telecom Carriers	90	0.74	1.0%	-4.6%	0.8%	1.3%
3361	Motor Vehicles	80	0.54	0.9%	-2.3%	0.9%	12.8%
5152	Cable and Other Subscription Programming	70	1.22	0.8%	-3.9%	0.7%	11.2%
5182	Data Processing & Hosting	60	0.28	0.7%	-8.8%	0.4%	-10.3%
3271	Clay Product and Refractory Manufacturing	60	1.87	0.7%	-2.2%	0.2%	0.7%
Advanced industries manufacturing		6,720	1.52	74.7%	1.7%	74.1%	7.3%
Advanced industries energy		510	0.98	5.6%	-1.4%	13.9%	7.6%
Advanced industries services		1,770	0.35	19.7%	0.2%	12.0%	1.0%
ADVANCED INDUSTRIES TOTAL		8,990	0.90	100.0%	1.2%	100.0%	6.5%

† 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.