

Sherman, TX

Advanced industries employ

3,000

full-time workers. (2013)

These direct jobs supports an additional

2,400

indirect jobs in other industries in
the region.

Advanced industries produce

\$0.9

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

Advanced industries pay, on average

\$98,260

dollars per year (2013).

Advanced industries directly
account for

6.4%

of all jobs in the region.

This employment share is

#129

among all small metros.

This accounts for

19.3%

of all output in the region (2013).

This compares to average pay of

\$38,380

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.0%

2.7%

OUTPUT

5.2%

3.8%

Sherman, 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
3344	Semiconductors	880	7.06	29.3%	-3.9%	29.3%	-1.4%
3331	Agri., Constr., Mining Machinery	320	3.90	10.8%	18.3%	9.0%	25.4%
3359	Misc. Electrical Equipment	240	5.72	8.0%	4.4%	3.6%	1.8%
2211	Power Generation & Supply	210	1.60	7.0%	-1.1%	17.6%	8.4%
3363	Motor Vehicle Parts	170	1.03	5.8%	9.9%	4.4%	22.4%
3315	Foundries	120	2.98	4.1%	1.1%	1.5%	8.6%
3339	General Purpose Machinery	120	1.38	3.9%	15.0%	2.8%	21.2%
3362	Motor Vehicle Body & Trailers	90	1.98	3.0%	9.9%	1.9%	17.4%
5413	Architecture & Engineering	80	0.18	2.7%	4.5%	1.4%	4.3%
3313	Aluminum Products	80	4.00	2.6%	0.4%	1.6%	4.6%
5152	Cable and Other Subscription Programming	70	2.94	2.3%	-4.7%	2.0%	7.8%
5416	Management Consulting	70	0.18	2.3%	10.4%	1.4%	9.8%
5415	Computer Systems Design	50	0.09	1.7%	13.0%	1.3%	14.4%
2111	Oil & Gas Extraction	50	0.69	1.5%	-11.1%	5.6%	-7.4%
3364	Aircraft Products & Parts	50	0.27	1.5%	9.8%	0.7%	12.6%
3311	Iron & Steel Products	40	1.42	1.4%	0.8%	1.4%	12.2%
3399	Misc. Manufacturing	40	0.43	1.3%	0.9%	0.4%	-0.7%
3241	Petroleum & Coal Products	40	0.96	1.2%	2.9%	5.2%	9.1%
5179	Other telecommunications	30	1.10	1.0%	-7.4%	1.0%	-4.5%
6215	Medical and Diagnostic Laboratories	30	0.37	1.0%	-16.8%	0.3%	-15.2%
3279	Stone & Mineral Products	30	1.22	0.9%	2.5%	0.4%	6.0%
3332	Industrial Machinery	30	0.76	0.9%	12.4%	0.7%	17.3%
5182	Data Processing & Hosting	20	0.21	0.6%	0.0%	0.4%	-2.0%
3259	Misc. Chemicals	20	0.65	0.6%	8.7%	1.0%	6.2%
3345	Precision Instruments	20	0.13	0.6%	12.3%	0.6%	13.3%
Advanced industries manufacturing		2,360	1.30	78.7%	3.0%	68.0%	6.0%
Advanced industries energy		250	1.20	8.5%	-3.2%	23.2%	3.6%
Advanced industries services		390	0.19	12.9%	0.0%	8.9%	4.1%
ADVANCED INDUSTRIES TOTAL		3,000	0.73	100.0%	2.0%	100.0%	5.2%

† 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.