

Brownsville, TX

Advanced industries employ

4,200

full-time workers. (2013)

These direct jobs supports an additional

3,360

indirect jobs in other industries in the region.

Advanced industries produce

\$1.0

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

Advanced industries pay, on average

\$52,230

dollars per year (2013).

Advanced industries directly account for

3.1%

of all jobs in the region.

This employment share is

#253

among all small metros.

This accounts for

8.7%

of all output in the region (2013).

This compares to average pay of

\$31,260

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-7.2%

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-2.6%

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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
3366	Ships & Boats	840	6.82	20.1%	0.5%	8.9%	3.9%
3353	Electrical Equipment	420	3.02	9.9%	3.4%	5.6%	1.4%
3363	Motor Vehicle Parts	370	0.75	8.8%	1.1%	11.0%	14.7%
5413	Architecture & Engineering	340	0.26	8.0%	-7.2%	4.8%	-7.5%
3361	Motor Vehicles	240	1.34	5.8%	0.3%	7.5%	12.9%
5416	Management Consulting	210	0.18	4.9%	15.6%	3.3%	14.6%
2211	Power Generation & Supply	200	0.53	4.8%	0.8%	15.7%	10.2%
3364	Aircraft Products & Parts	150	0.32	3.6%	0.9%	3.0%	5.5%
6215	Medical and Diagnostic Laboratories	130	0.53	3.0%	-4.6%	1.2%	-3.7%
3362	Motor Vehicle Body & Trailers	120	0.95	3.0%	4.4%	3.1%	13.5%
5415	Computer Systems Design	120	0.07	2.9%	29.2%	2.4%	30.9%
3344	Semiconductors	110	0.30	2.6%	15.7%	3.0%	18.3%
5172	Wireless Telecom Carriers	110	0.71	2.5%	-55.6%	2.4%	-54.8%
3339	General Purpose Machinery	100	0.39	2.3%	-14.8%	2.2%	-7.5%
3279	Stone & Mineral Products	90	1.41	2.2%	0.4%	1.1%	3.5%
3399	Misc. Manufacturing	80	0.31	1.9%	-11.0%	0.7%	-11.1%
3241	Petroleum & Coal Products	80	0.70	1.8%	1.8%	9.3%	7.7%
3359	Misc. Electrical Equipment	60	0.46	1.3%	4.6%	0.6%	-3.4%
3342	Communications Equipment	50	0.47	1.1%	17.1%	1.2%	20.4%
3259	Misc. Chemicals	40	0.46	0.9%	-8.9%	1.8%	-9.4%
5179	Other telecommunications	30	0.36	0.7%	143.8%	0.8%	151.1%
3332	Industrial Machinery	30	0.27	0.7%	-8.0%	0.7%	0.0%
5152	Cable and Other Subscription Programming	30	0.40	0.7%	-3.3%	0.7%	12.4%
3331	Agri., Constr., Mining Machinery	30	0.11	0.6%	-11.1%	0.7%	-3.1%
3391	Medical Equipment & Supplies	30	0.09	0.6%	-22.2%	0.3%	-22.5%
Advanced industries manufacturing		2,990	0.57	71.3%	-0.2%	67.1%	5.2%
Advanced industries energy		210	0.33	4.9%	1.2%	16.2%	10.6%
Advanced industries services		1,000	0.17	23.9%	-21.3%	16.7%	-24.4%
ADVANCED INDUSTRIES TOTAL		4,200	0.35	100.0%	-7.2%	100.0%	-2.6%

† 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.