

Beaumont, TX

Advanced industries employ

20,830

full-time workers. (2013)

These direct jobs supports an additional

16,660

indirect jobs in other industries in
the region.

Advanced industries produce

\$12.5

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

Advanced industries pay, on average

\$96,270

dollars per year (2013).

Advanced industries directly

account for

12.8%

of all jobs in the region.

This employment share is

#17

among all small metros.

This accounts for

49.4%

of all output in the region (2013).

This compares to average pay of

\$49,880

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

4.5%

2.7%

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U.S.

OUTPUT

7.2%

3.8%

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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
3241	Petroleum & Coal Products	4,760	36.96	22.9%	2.1%	48.7%	8.0%
3251	Basic Chemicals	3,410	20.75	16.4%	4.2%	18.0%	5.2%
5413	Architecture & Engineering	2,720	1.76	13.0%	3.9%	3.1%	4.0%
3252	Resins & Synthetic Rubbers	2,010	18.95	9.6%	6.3%	10.0%	6.1%
3331	Agri., Constr., Mining Machinery	1,000	3.49	4.8%	20.6%	1.9%	27.3%
3366	Ships & Boats	870	5.91	4.2%	19.6%	1.2%	29.3%
2211	Power Generation & Supply	780	1.72	3.7%	-0.8%	4.6%	9.3%
5416	Management Consulting	710	0.52	3.4%	2.2%	0.9%	1.9%
3345	Precision Instruments	470	1.05	2.3%	0.8%	1.1%	3.3%
5415	Computer Systems Design	410	0.21	1.9%	12.0%	0.6%	13.9%
3253	Pesticides & Fertilizers	400	9.20	1.9%	7.4%	1.9%	5.0%
3313	Aluminum Products	380	5.57	1.8%	3.4%	0.5%	7.9%
3364	Aircraft Products & Parts	350	0.62	1.7%	18.8%	0.7%	30.4%
3259	Misc. Chemicals	260	2.76	1.3%	6.1%	1.0%	4.1%
5179	Other telecommunications	200	2.03	0.9%	-0.2%	0.4%	3.3%
6215	Medical and Diagnostic Laboratories	200	0.69	0.9%	-4.4%	0.1%	-4.4%
3311	Iron & Steel Products	190	1.86	0.9%	4.1%	0.4%	16.3%
3254	Pharmaceuticals	180	0.55	0.8%	7.0%	1.3%	5.2%
3332	Industrial Machinery	170	1.37	0.8%	8.2%	0.3%	13.2%
5182	Data Processing & Hosting	160	0.51	0.8%	-5.5%	0.2%	-7.1%
2111	Oil & Gas Extraction	140	0.63	0.7%	-11.8%	1.2%	-8.2%
3344	Semiconductors	120	0.29	0.6%	1.7%	0.3%	4.6%
5152	Cable and Other Subscription Programming	90	1.09	0.4%	-6.5%	0.2%	7.9%
3339	General Purpose Machinery	90	0.30	0.4%	-2.2%	0.1%	3.0%
3391	Medical Equipment & Supplies	90	0.25	0.4%	-4.2%	0.1%	-6.1%
Advanced industries manufacturing		15,290	2.44	73.4%	5.6%	88.2%	7.6%
Advanced industries energy		920	1.26	4.4%	-2.8%	5.8%	4.5%
Advanced industries services		4,620	0.65	22.2%	3.0%	6.0%	3.8%
ADVANCED INDUSTRIES TOTAL		20,830	1.48	100.0%	4.5%	100.0%	7.2%

† 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.