

Manchester, NH

Advanced industries employ

26,640

full-time workers. (2013)

These direct jobs supports an additional

21,310

indirect jobs in other industries in the region.

Advanced industries produce

\$4.4

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

Advanced industries pay, on average

\$93,290

dollars per year (2013).

Advanced industries directly account for

13.0%

of all jobs in the region.

This employment share is

#15

among all small metros.

This accounts for

19.5%

of all output in the region (2013).

This compares to average pay of

\$54,170

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-0.7%

Manchester, NH

U.S.

1.7%

Manchester, NH

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
3345	Precision Instruments	5,740	10.11	21.6%	-2.9%	20.8%	2.9%
5415	Computer Systems Design	4,530	1.84	17.0%	7.9%	16.8%	8.3%
3344	Semiconductors	3,130	5.79	11.7%	-5.0%	11.3%	1.9%
5413	Architecture & Engineering	1,970	1.01	7.4%	1.7%	5.9%	1.1%
5112	Software Products	1,690	3.93	6.4%	0.5%	11.7%	-0.2%
5416	Management Consulting	1,250	0.73	4.7%	2.6%	3.9%	0.6%
3399	Misc. Manufacturing	1,020	2.57	3.8%	-3.0%	2.3%	-2.1%
3391	Medical Equipment & Supplies	880	2.00	3.3%	5.0%	2.7%	4.9%
3341	Computer Equipment	870	3.80	3.3%	-1.7%	5.4%	4.4%
3315	Foundries	830	4.56	3.1%	5.9%	1.3%	11.1%
5417	R&D Services	780	0.85	2.9%	7.0%	3.2%	8.9%
3351	Electrical Lighting Equipment	700	10.19	2.6%	-8.3%	1.8%	-9.3%
3359	Misc. Electrical Equipment	570	3.15	2.2%	-5.3%	1.7%	-5.6%
3332	Industrial Machinery	460	2.98	1.7%	-4.8%	1.2%	-4.5%
2211	Power Generation & Supply	320	0.55	1.2%	2.2%	3.6%	-2.0%
3333	Commercial & Service Machinery	310	2.44	1.2%	-16.1%	0.8%	-17.1%
5182	Data Processing & Hosting	260	0.68	1.0%	-3.1%	0.8%	9.0%
3353	Electrical Equipment	180	0.88	0.7%	-7.9%	0.6%	-7.5%
3279	Stone & Mineral Products	170	1.69	0.6%	0.6%	0.5%	1.3%
5179	Other telecommunications	160	1.30	0.6%	-4.9%	0.9%	-6.7%
3342	Communications Equipment	120	0.82	0.4%	-20.5%	0.5%	-14.7%
3254	Pharmaceuticals	110	0.27	0.4%	-2.4%	0.5%	-11.0%
5191	Web Search Portals and Internet Publishing	100	0.35	0.4%	-3.7%	0.3%	-9.9%
3252	Resins & Synthetic Rubbers	80	0.60	0.3%	5.1%	0.2%	-6.2%
5172	Wireless Telecom Carriers	70	0.32	0.3%	0.0%	0.4%	1.7%
Advanced industries manufacturing		15,460	1.96	58.0%	-3.6%	52.4%	0.5%
Advanced industries energy		320	0.34	1.2%	2.2%	3.6%	-2.0%
Advanced industries services		10,870	1.22	40.8%	4.1%	44.0%	3.6%
ADVANCED INDUSTRIES TOTAL		26,640	1.50	100.0%	-0.7%	100.0%	1.7%

† 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.