

Manufacturing in America

How It Contributes to Our Economy, Employment, and Innovation

How Manufacturing Contributes to the U.S. Economy

\$2.91 Trillion
in value added

to the economy – comprising 10% of the U.S. Gross Domestic Product in Q2 2024¹

\$1.6 Trillion
value of U.S. manufactured goods exported

in 2023¹

Multiplier Effect:
Every \$1 spent

in manufacturing results in an additional

\$2.69

added to our economy.²



Simply put, the United States remains a manufacturing powerhouse...

Accounting for over 16 percent of global manufacturing output in 2022—second only to China, which has four times the population of the United States—the U.S. had a greater share than Japan, Germany, and South Korea combined.

– The Cato Institute and UN Statistics Division³



How Manufacturing Contributes to U.S. Employment

13 Million
employed

by more than 244K manufacturers in the U.S.¹

\$102,629
average annual earnings

for manufacturing employees¹

74%
of manufacturing firms have fewer than 20 employees¹



How Manufacturing Contributes to U.S. Innovation

Game-Changing Patented Innovations That Shaped Manufacturing^{6,7}

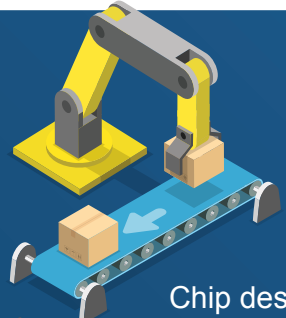
Manufacturing performed **54%** of business research and development in the U.S.⁴

Manufacturing is responsible for **55%** of all U.S. patents.⁵



CAD/CAM
(Patrick J. Hanratty)

Industrial robot
(George Devol)



Chip design/dynamic instruction scheduling
(Lynn Conway)

Assembly line
(Henry Ford)

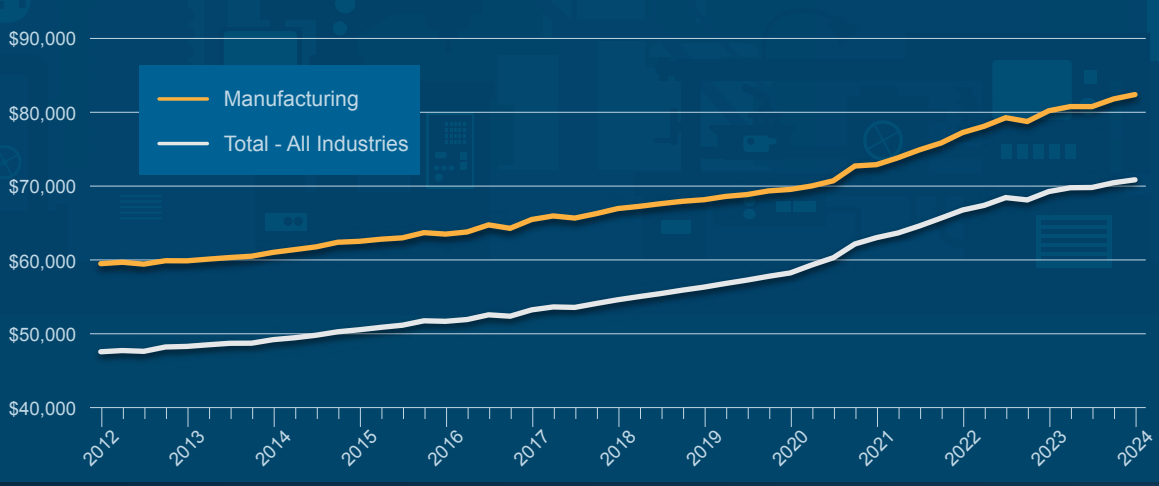
Cotton gin
(Eli Whitney)

3D printer design and development
(Chuck Hull, Carl Deckard, Joseph Beaman, S. Scott Crump)

How Manufacturing Contributes to High Wages in the U.S.

Average Annual Wages per Worker (USA)⁸

The average annual manufacturing wage tends to be \$10-12K higher than the average across all industries.



Visit: <https://www.nist.gov/mep/mep-national-network>

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(1) <https://nam.org/manufacturing-in-the-united-states/> (these statistics are updated on a weekly basis)
 (2) <https://nam.org/manufacturing-in-the-united-states/facts-about-manufacturing-expanded/>
 (3) Cato Institute data retrieved at <https://www.cato.org/blog/united-states-remains-manufacturing-powerhouse>; updated with UN Statistics Division Data and Statista (retrieved 1-10-25)
 (4) <https://nces.nsf.gov/pubs/nst23350/>
 (5) <https://www.defense.gov/News/News-Stories/Article/article/3189049/us-manufacturing-ecosystem-key-to-economic-growth-innovation-competitiveness/>
 (6) <https://www.sme.org/aboutsme/inventors-that-revolutionized-american-manufacturing/>
 (7) <https://www.nist.gov/patents/search?ta%5B0%5D=248886> [source for recent manufacturing patents]
 (8) JobsEQ® chmuraecon.com/jobseq (retrieved on 8/25/24)