



The Untold Story: Global Companies Revive America's Semiconductor Industry

FDIUS in Semiconductors Manufacturing Nearly Quadruples

International investment in the U.S. semiconductors and other electronic components sector saw explosive growth from 2015 to 2020 at 275 percent. Semiconductors play an integral role in all aspects of modern life as they operate as the computing brains not only for computers but also for household appliances, medical devices, automobiles, and many other industries. Foreign-headquartered semiconductor companies' recent investments in the United States have translated into nearly 58,000 well-compensated American jobs. International investments in this crucial U.S. industry show no signs of slowing down.

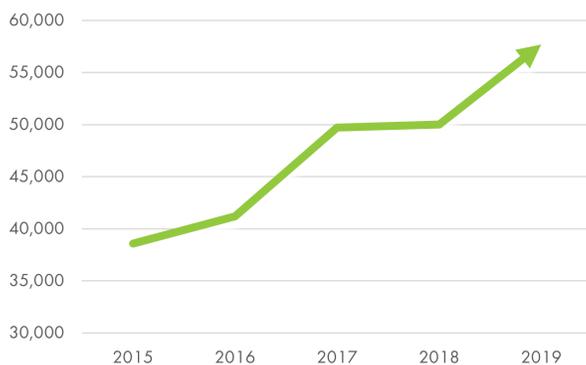
Cumulative FDIUS in Semiconductors Manufacturing, 2015-2020



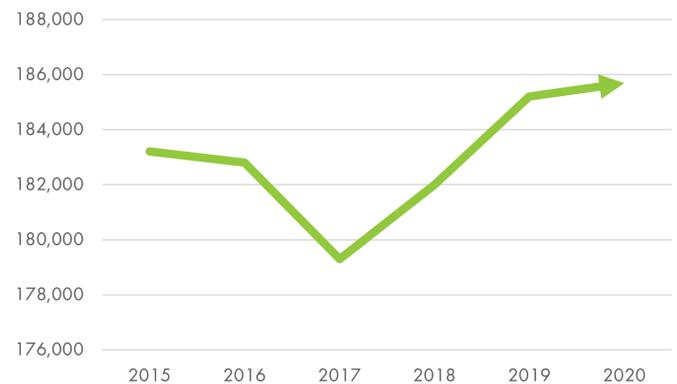
Semiconductor Jobs Are on the Rise Thanks to Global Investment

U.S. employment at global companies in the semiconductor sector rose **nearly 50%** from 38,600 jobs to 57,700 jobs between 2015 and 2019 compared to a national increase of **just over 1%**, from 183,200 workers to 185,200 workers, for the **same time period**.

Semiconductor Manufacturing Jobs at U.S. Affiliates of Foreign Companies



Semiconductor Manufacturing Jobs in the U.S.



Figures based on the Bureau of Economic Analysis (BEA), Survey of Current Business, U.S. International Transactions, released September 2021; Activities of U.S. Affiliates of Foreign Multinational Enterprises in 2019, released August 2021.

Swift Passage of the CHIPS Act Appropriations Will Propel More Investment

Concerns over supply chain shortages and their impact on the U.S. economy continue to grow. The shortage of semiconductors globally should be at the forefront of the minds of Congress and the Administration, especially since the shortage is expected to last years. This problem urgently needs to be addressed because of how many products are dependent on semiconductors. Everything from medical devices, cars, smartphones, and even toothbrushes rely on chips.

Congress must reach an agreement on the Bipartisan Innovation Act to provide the funding appropriated in the CHIPS Act to incentivize semiconductor research and development so that the U.S. can become competitive on the global stage in manufacturing semiconductors. This is a matter of national and economic security. The U.S. cannot remain idle in incentivizing investment in chip manufacturing, research and design – especially while other countries are aggressively doing so.

According to the Semiconductor Industry Association, the U.S. share of global semiconductor manufacturing capacity has declined from 37% in 1990 to only 12% today. Through global connections, international companies from allied countries can help innovate America's manufacturing of semiconductors. The U.S. must welcome companies from these countries to invest here, which would create jobs for Americans to manufacture chips in the USA. The current chip shortage shows how vulnerable our supply chains are to even minor global disruptions; it's in America's vital interest to mitigate our supply chain vulnerabilities by ramping up our domestic manufacturing capacity.

Recent Investments from GBA Members

ASML opens new state-of-the-art R&D facility in Silicon Valley

ASML first established its presence in Silicon Valley 20 years ago and now more than 875 employees work at the new campus. In addition, the team plans to grow 20% in 2022, hiring more than 180 engineers to execute its product roadmap and meet the insatiable demand for more microchips.

Samsung Electronics Announces New Advanced Semiconductor Fab Site in Taylor, Texas

This latest expansion of Samsung's U.S. presence is expected to create over 2,000 high-tech jobs directly and thousands of related jobs once the new facility is in full operation.

Inside TSMC, the Taiwanese chipmaking giant that's building a new plant in Phoenix

[Taiwan Semiconductor Manufacturing Company](#) may not be a household name, but with a market value of over \$550 billion, it's one of the world's 10 most valuable companies. Now, it's leveraging its considerable resources to bring the world's most advanced chip manufacturing back to U.S. soil.

EMD Electronics Investing \$28M In Arizona Expansion

The new semiconductor and display material manufacturing facility will create more than 100 jobs in Chandler, AZ.