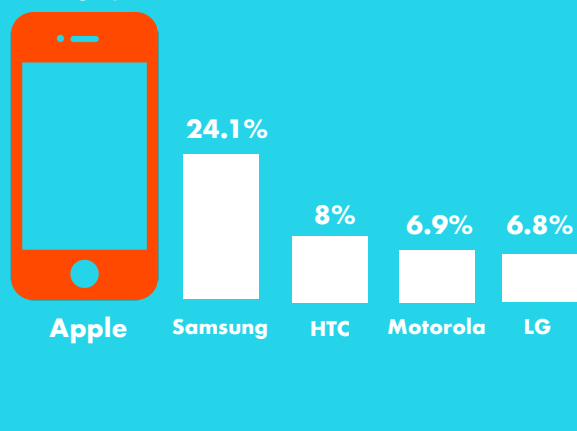


An All-American iPhone?



Apple, based in Cupertino, California, has been producing the iPhone since 2007. The product is currently one of the world's most popular phones, accounting for **74.4 million** units sold in Q3 of 2016 alone.

All of these iPhones bear the same three words: **Made in China.**

The overseas production of America's most popular smart-phones has been the target of many politicians, including **President-Elect Donald Trump.**

"[I will] get Apple to start making their computers and their iPhones on our land, not in China"

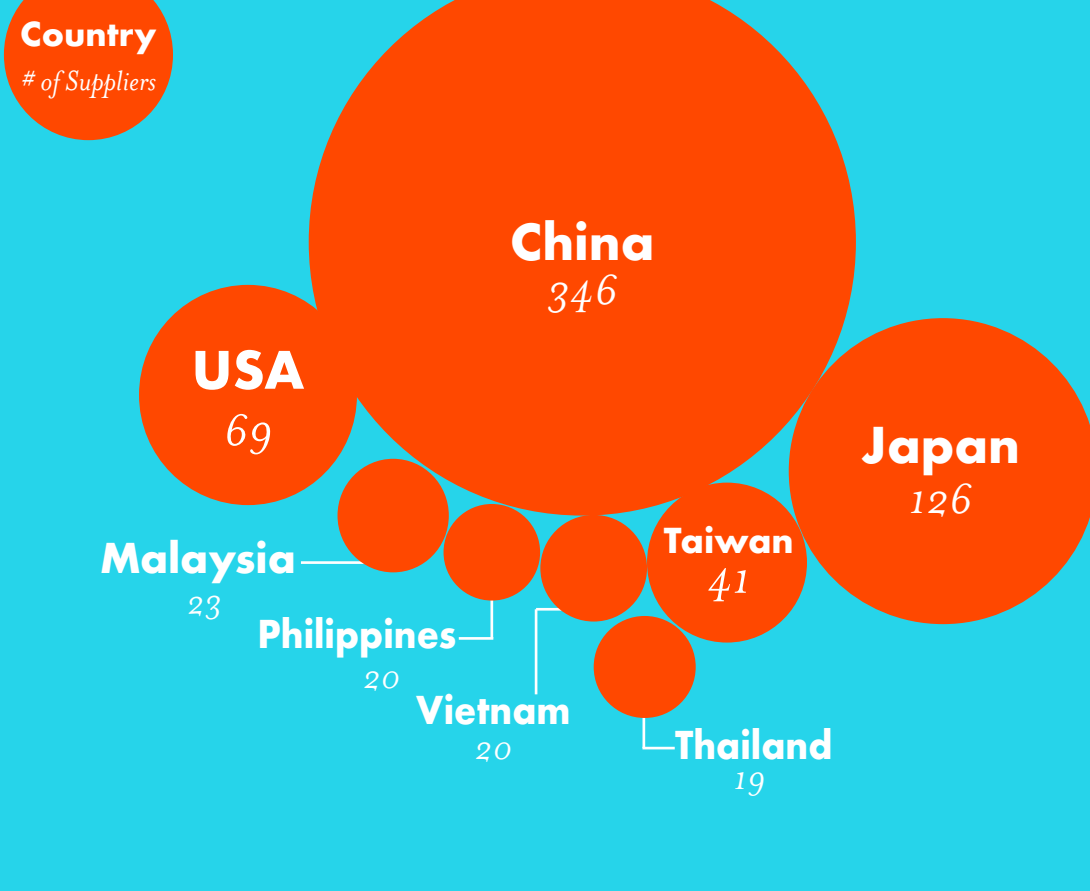
What would it take to manufacture all iPhones in the United States?



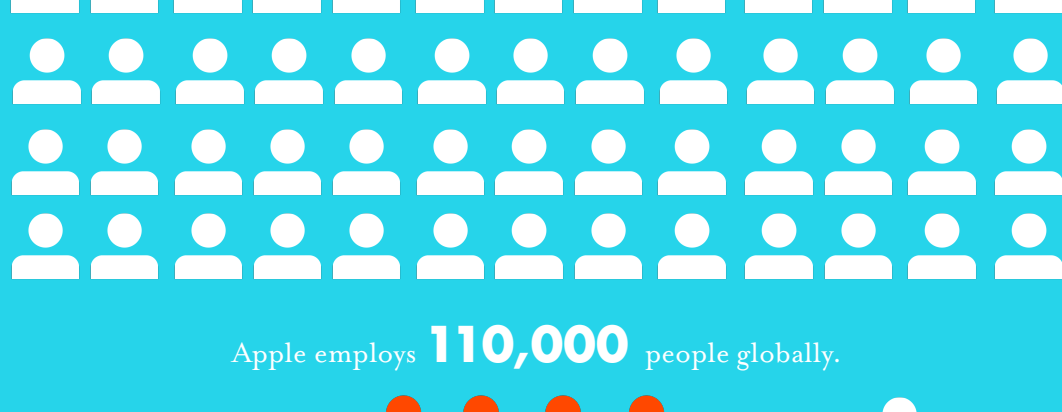
Currently, the production cycle of an iPhone begins at Apple headquarters in Cupertino, CA, where a group of designers and engineers come up the blueprints that will create the new iPhone.

The designs are then sent to factories around the world.

In 2016, Apple has **667** total suppliers around the world who provide the parts that comprise their most popular products, such as the iPhone, iPad, and MacBook.



These 667 suppliers employ **1.3 million** employees throughout the world.



Apple employs **110,000** people globally.



1 icon = 50,000

There are two different scenarios in which jobs could be brought to the United States.

1) All iPhones could be assembled in the US

Right now, all iPhones are assembled in China. If the assembly were to take place in the United States, it would add about **\$30-\$40** the cost of the iPhone.



However, out of Apple's 676 suppliers, only **6** actually assemble the iPhone. Therefore, assembling the phones likely wouldn't bring a significant amount of jobs to the United States.

\$829-\$869

The estimated cost if Apple could make the phones in the United States out of components made domestically

\$799-\$809

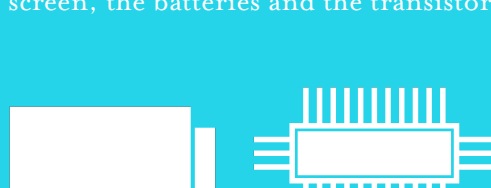
The estimated cost if Apple could assemble the iPhone in the United States

\$769

The current cost of an iPhone 7 Plus

2) All iPhones could be assembled from parts made domestically

376 of Apple's suppliers create the parts that are in the iPhone, such as the glass screen, the batteries and the transistors



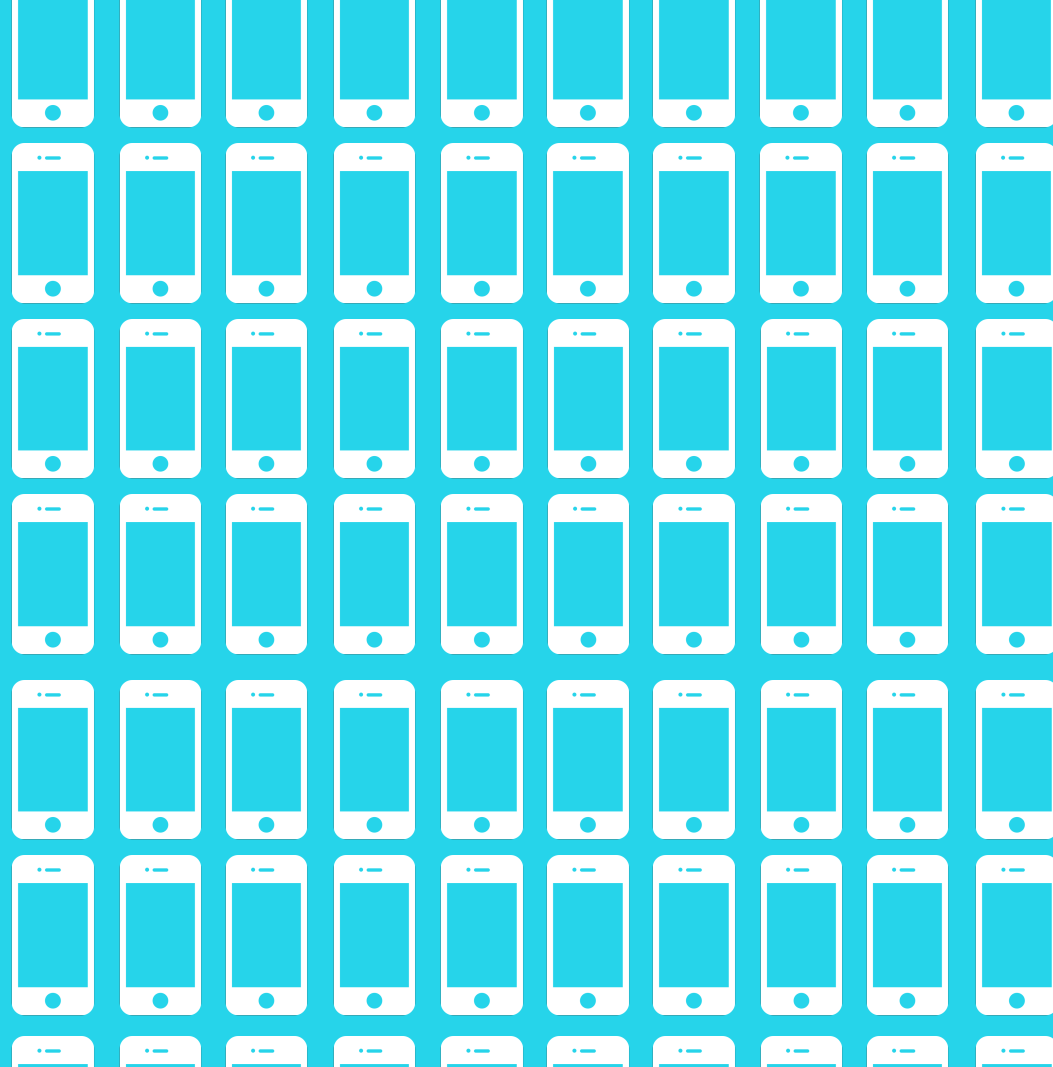
Producing these parts domestically would bring more jobs to the United States, but would increase the price of the iPhone by **\$60-\$100**

However, the biggest reason iPhones are not manufactured in the United States is not cost, but time

Foxconn, the world's largest electronics contract manufacturer, is responsible for assembling iPhones. Their factories are largely found in China

1 Foxconn factory can employ **230,000** assembly line workers.

Each line can make **72,000** iPhone backplates per day.



1 icon = 1000 iPhones

Each Foxconn factory has multiple lines per factory, There are **346** such factories found in China. In order to open a factory of this scale, Foxconn would need to hire **8700** engineers who can run the factory.

In the United States, it would take **9 months** to find enough engineers.

In China, it took **15 days.**

[Factories in Asia] can scale up and down faster. Asian supply chains have surpassed what's in the U.S... we can't compete at this point."

An Anonymous High-Ranking Apple Executive

May 2014

Sources:
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How and Where the iPhone is Made: <https://financeonline.com/how-iphone-is-made/>

Apple Supply Chain Website: <https://apple.com/supplychain>
Special Thanks to Jose Sogbel, Joaquin Berceira, Nick Lally, and Jim Zillmer for feedback on this project.
Created by Kate Zillmer for Graphic Design in Cartography Final Project @ UW-Madison
Apple does not release exact figures for their factories, so these numbers are all approximations.
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