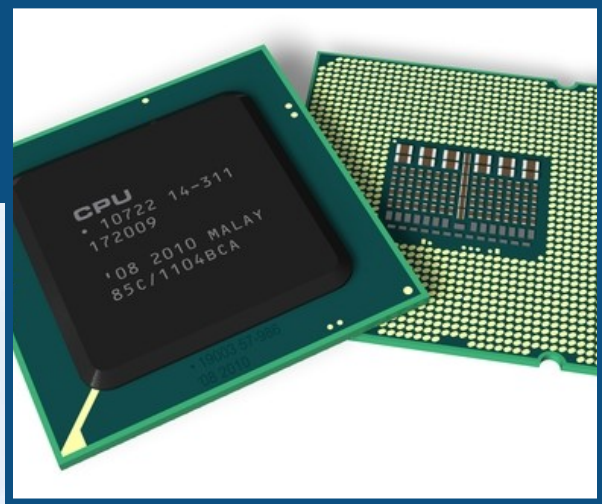


# Semiconductor Manufacturing

The semiconductor and other electronic component manufacturing (NAICS 3344) establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.



## Texas Industry Totals

|                           |                |
|---------------------------|----------------|
| Firms                     | 344            |
| Employment                | 43,645         |
| Average Annual Wage       | \$103,376      |
| Total Capital Investments | \$4.5 billion  |
| Value Added Per Employee  | \$148,336      |
| Value of Shipments        | \$11.6 billion |

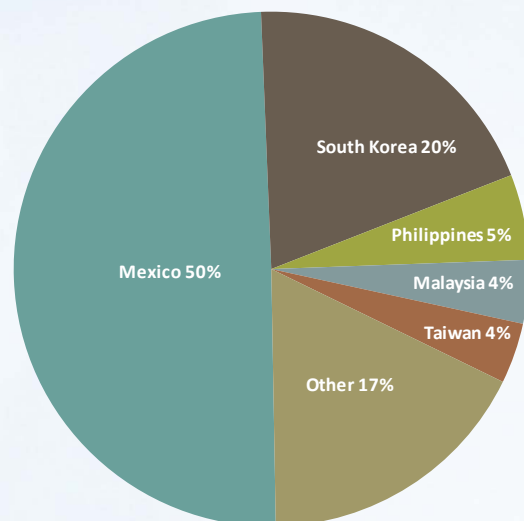
## How Texas Ranks in the U.S.

|                           |       |
|---------------------------|-------|
| All Employees             | No. 3 |
| Production Workers        | No. 2 |
| Value Added               | No. 3 |
| Value of Shipments        | No. 3 |
| Total Capital Investments | No. 1 |

## Texas Exports

- Texas semiconductor exports in 2012 were valued at \$14 billion – up 6.7% from \$13.2 billion in 2011.
- In 2012, semiconductor manufacturing was Texas' 6<sup>th</sup> largest export sector.

## Top Export Markets



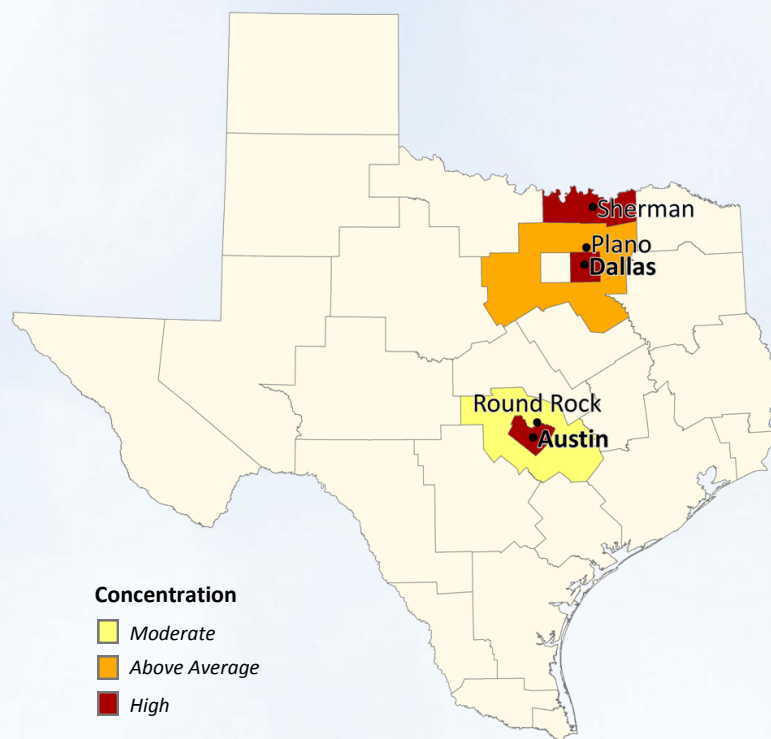
Sources: Texas Workforce Commission, U.S. Census Annual Survey of Manufactures, WISERTrade, Texas Manufacturers Register

## Major Industry Employers in Texas

| Company                      | Location(s)         | Products       |
|------------------------------|---------------------|----------------|
| Freescale Semiconductor, Inc | Austin              | Semiconductors |
| Texas Instruments, Inc.      | Dallas, Sherman     | Semiconductors |
| Spanion                      | Austin              | Semiconductors |
| Samsung Austin Semiconductor | Austin              | Semiconductors |
| Maxim Integrated Products    | Dallas, San Antonio | Semiconductors |

## Regional Concentrations

The map at right identifies the state’s Workforce Development regions with above-average specializations in semiconductor and other electronic component manufacturing. The highlighted regions are not the only areas in Texas where workers in this sector can be found, but rather represent areas with the greatest concentrations relative to the size of the local labor force. This industry is concentrated in North Texas and the Austin area.



## Recent Industry Trends

- Texas semiconductor industry average wages increased by 5.3% between Q4 2011 and Q4 2012.
- In 2012, South Korea-based Samsung began a \$4 billion expansion to its integrated processor and memory chip manufacturing plant in Austin, Texas. Since the Austin plant was first constructed in 1996, the company has invested over \$13 billion in capital investment.
- In 2012, Maxim Integrated Products celebrated the opening of its expanded Farmer’s Branch semiconductor design & fabrication campus.