High Tech

In 1958, Dallas led the nation into the new era of information and communication technologies with Nobel Laureate Jack Kilby’s invention of the microchip at Texas Instruments. This invention spurred the development of laptop computers, smartphones, and space travel. The DFW technology industry encompasses four general categories: manufacturing, information services, professional technical services, and bio-life sciences. The region’s activity in key emerging technologies such as next generation wireless and broadband communications, artificial intelligence, and virtual reality, as well as medical, bio, and life sciences, is gaining national recognition.

The 7th Largest Concentration of High-Tech Jobs in the U.S. 2019 High-Tech Employment

<table>
<thead>
<tr>
<th>Industry</th>
<th>Establishments</th>
<th>Avg. Employment</th>
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<tbody>
<tr>
<td>Manufacturing</td>
<td>61,910</td>
<td>11,811</td>
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<tr>
<td>Bio Sciences &amp; Medical Technology</td>
<td>435</td>
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<td>Professional &amp; Technical Services</td>
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<td>Total for all sectors</td>
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Source: 2019.4 – QCEW Employees, Non-QCEW Employees, and Self-Employed

The Information Age Was Born in DFW

Top Semiconductor & Semiconductor Machinery Manufacturers with Operations in DFW

- HP Enterprise Services (Irving)
- IBM (Dallas)
- Infineon (Plano, Richardson)
- Intuit (Plano)
- L3 Harris ComCap (Rockwall)
- Microsoft (Irving)
- NTT Data (Plano)
- Oracle (Dallas, Irving)
- RealPage (Richardson)
- SAP AG (Plano)
- Siemens PLM Software (Plano)
- TDK Systems (Irving)
- Trend Micro NA (Irving)
- Xerox (Dallas)

High Tech Manufacturing

- Semiconductor Machinery Manufacturing: 9, 196
- Optical Instrument and Lens Manufacturing: 12, 288
- Computer and Electronic Product Manufacturing: 473, 42,726
- Aerospace Product and Parts Manufacturing: 104, 33,383
- Sub-total: 598, 76,595

Bio Sciences & Medical Technology

- Basic Chemical Manufacturing: 67, 2,929
- Pharmaceutical and Medicine Manufacturing: 57, 4,477
- Medical Equipment and Supplies Manufacturing: 233, 6,268
- Scientific Research and Development Services: 331, 4,938
- Sub-total: 688, 17,792

High Tech Services

- Computer Systems Design Services: 48, 356
- Computer Training: 48, 14,030
- Internet Publishing and Broadcasting and Web Search Portals: 231, 2,472
- Sub-total: 1,369, 65,910

Legend:

- Occupation | Avg. Hourly Earnings
- Computer Systems Analysis: 22,420 | $44.10
- Software Developers: 9,823 | $51.87
- Computer Network Analysts: 5,432 | $56.46
- Computer Network Support Specialists: 7,222 | $38.25
- Aerospace Engineers: 3,317 | $55.48
- Computer Hardware Engineering: 760 | $51.40
- Electrical Engineers: 5,319 | $47.19
- Mechanical Engineering Technicians: 1,505 | $31.34
- Industrial Engineering Technicians: 2,183 | $18.31

Source: 2020.4 – QCEW-Employed, Non-QCEW-Employed, and Self-Employed

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Number of High-tech Industry Businesses

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