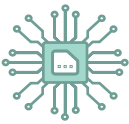


COMPUTERS & ELECTRONICS

The computers and electronics industry – semiconductors in particular – is Greater Portland’s powerhouse sector. The concentration of computers & electronics companies, talent, and research expertise is unmatched elsewhere across the globe. This ecosystem produces components that provide crucial technology to the rest of the world.

Our industry strengths



SILICON FOREST

Nearly 80 years of investment in Greater Portland by Intel and Tektronix has cultivated a forest of thousands of technology firms and their suppliers. **Intel has invested more than \$49 billion since 1974** to support its global R&D headquarters in Hillsboro.



RELIABLE, LOW-COST ENERGY

Oregon and Washington rank 1st and 2nd in the nation, respectively, in U.S. News & World Report’s energy rankings. The rankings are based on electricity cost, grid reliability and renewable energy usage.



HIGHLY EDUCATED WORKFORCE

Greater Portland has the edge on semiconductor talent. More than 90% of the region’s workforce in this cluster is employed in sub-sectors that are at least 25% more competitive than the U.S. average. For example, **we have 13 times the average national concentration of semiconductor processing technicians.**

REGIONAL INDUSTRY HIGHLIGHTS

41,400

Employees

359

Establishments

\$12.37B

Greater Portland’s international computers & electronics exports totaled \$12.37 billion in 2020.

15x talent

Greater Portland offers 15 times the national concentration of computers & electronics talent.

24% STEM

STEM occupations made up 24% of our region’s jobs in 2020.



TOP PORTLAND METRO EMPLOYERS

Employees:



22,000*



1,357



1,302*



1,050



1,000

*Denotes headquarters

COMPUTER & ELECTRONICS ECOSYSTEM

Industry Clusters

DISCRETE DEVICE MANUFACTURERS

- Intel
- Jireh Semiconductor
- Lattice Semiconductor Corp.
- Micron Semiconductor Products
- ON Semiconductor
- Qorvo
- WaferTech

CIRCUITS

- Sunstone Circuits
- TTM Technologies
- Z Technology, Inc.

SEMICONDUCTOR SUPPLIERS

- AGC Electronics America
- Applied Materials
- ASM America
- ASML US Inc.
- BeSang
- Cabot Microelectronics
- Cascade Microtech
- CoorsTek

- Daifuku America
- Disco High Tech America
- EBARA Technologies, Inc.
- Edwards Vacuum
- FormFactor Inc.
- Hitachi High Technologies
- Horiba
- JSR Micro
- KLA Tencor
- Kokusai Semiconductor Equipment
- KoMiCo
- Lam Research Corp.
- Linde
- Mega Fluid Systems
- Microchip Technology
- Milwaukee Electronics
- Nikon Precision
- Quantum Clean
- Screen SPE
- Sumitomo Semiconductor Materials
- Thermo Fisher Scientific
- TOK America
- Tokai Carbon
- Tokyo Electron America, Inc.

ELECTRONICS

- Electronic Controls Design
- FLIR Systems
- Foxconn Electronics
- JAE Oregon, Inc.
- Kyocera Tycom
- Leyard Optoelectronic
- Planar Systems
- Siemens EDA
- Silicon Forest Electronics Inc.
- Vanguard EMS

COMPUTER PERIPHERALS

- APCON Inc.
- Hitachi Kokusai Electric America
- Pixelworks Inc.
- Triad Speakers Inc.

LASER TECHNOLOGY

- Applied Laser Technology Inc.
- Electro Scientific Industries (ESI)

UNPARALLELED WORKFORCE TRAINING



The University of Oregon's **Center for Advanced Materials Characterization (CAMCOR)** serves industry with its multi-million-dollar cutting-edge nano-characterization and fabrication equipment, which allows students to perform research under electron microscopes and build semiconductor parts.

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 @GreaterPortlandInc

greaterportlandinc.com
bizdev@greaterportlandinc.com
503-445-8065