



GREATER  
PORTLAND

# COMPUTERS & ELECTRONICS 2024

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

According to U.S. News, Oregon ranks #3 and Washington ranks #4 overall in Energy, which is based on electricity price, infrastructure, renewable energy usage, and power grid reliability.



### 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

\$13B

Greater Portland's international computers & electronics exports totaled \$13 billion in 2022.

15x talent

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

27% STEM

STEM occupations made up 27% of our region's jobs in 2022.

## TOP PORTLAND METRO EMPLOYERS

Employees:



22,000\*



4,000

Tektronix

1,302\*



1,050

SIEMENS

1,000

Employment estimates from Jan. 2024

\*Denotes headquarters



# COMPUTER & ELECTRONICS ECOSYSTEM

## Industry Clusters

### DISCRETE DEVICE MANUFACTURERS

- Intel
- Jireh Semiconductor
- Lattice Semiconductor
- Micron
- ON Semiconductor
- Qorvo
- WaferTech

### CIRCUITS

- Sunstone Circuits
- TTM Technologies

### SEMICONDUCTOR SUPPLIERS

- ACM Research
- AGC Electronics America
- Applied Materials
- ASM America
- ASML
- BeSang
- Cabot Microelectronics
- Cascade Microtech
- Centrotherm Clean Solutions
- CoorsTek

- Daifuku America
- Disco High Tech America
- EBARA Technologies
- Edwards Vacuum
- Entegris
- FormFactor
- Hitachi High Technologies
- Horiba
- JSR Micro
- KLA Tencor
- Kokusai Semiconductor Equipment
- KoMiCo
- Lam Research
- Linde
- Mega Fluid Systems
- Microchip Technology
- Milwaukee Electronics
- Muratec USA
- Nikon Precision
- PSK Tech America
- Quantum Clean
- Rinchem
- Screen SPE
- Sumitomo Semiconductor Materials
- Thermo Fisher Scientific

- TOK America
- Tokai Carbon
- Tokyo Electron America
- Tosoh Quartz

### ELECTRONICS

- Analog Devices
- Electronic Controls Design (ECD)
- Foxconn Electronics
- JAE Oregon
- Planar Systems
- Siemens EDA
- Silicon Forest Electronics
- Teledyne FLIR
- Vanguard EMS

### COMPUTER PERIPHERALS

- APCON .
- Pixelworks

### LASER TECHNOLOGY

- Applied Laser Technology
- Electro Scientific Industries (ESI)

## OREGON CHIPS ACT



To implement federal CHIPS Act funding the Oregon Legislature passed Senate Bill 4, which allocates up to \$200 million to support Oregon firms applying for CHIPS dollars. Microchip Technology in Gresham won a \$72 million federal grant. Companies like Intel and HP will also receive funding from the state of Oregon.

## CONNECT WITH US

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 @GreaterPDX

 @GreaterPortlandInc

[greaterportlandinc.com](https://www.greaterportlandinc.com)  
[bizdev@greaterportlandinc.com](mailto:bizdev@greaterportlandinc.com)  
503-445-8065