



MEC Northwest

Located just outside of Portland, OR, in the city of Canby, MEC

Northwest serves a large number of West Coast original equipment manufacturers whose business models require high service and schedule flexibility in the low-volume, high mix manufacturing environment.

With over 45,000 square feet of manufacturing and office space, the company has invested in machinery and lean manufacturing processes designed to accommodate quick-turn assembly, including SMT, BGA, thru-hole and full box build assembly. The facility includes a high-speed CP6 Fuji line as well as a Fuji IP3 line for complete surface mount applications. A separate Mydata line allows for quick-change setups necessary for prototype and emergency assembly work.

C A P A B I L I T I E S

SMT and Thru-Hole Assembly Services

- Top and bottom side
- Fine pitch
- BGA
- Automated thru-hole
- Prototype
- Quick turn
- Lead-free

Testing and Inspection

- Checksum ICT
- MEC custom test platforms
- Functional and final test
- X-ray

Special Processes

- Conformal coating
- Burn-in
- BGA re-work

Electro-mechanical

- Box build
- Cabinet assembly
- Product assembly
- Packaging services
- Custom metalwork
- Injection molded casings



CANBY, OREGON



MEC Northwest

Unique experience in medical, dental and laboratory applications

MEC Northwest serves a number of customers in the medical instrumentation industry. Whether it's circuit boards and electronic sub-assemblies for dental equipment, centrifuge systems, fume extraction or wash systems, or portable monitoring products for an entire assembly for a hemodialysis monitoring system, MEC Northwest has the experienced staff to project manage your design or assembly. Many of these customer relationships span 10 plus years.

The company also has specialized experience in the audiovisual and theatre control industry, designing and assembling boards for speakers, speaker controls and theatre lighting systems.

We've also been involved in design and assembly for many other industries, including aerospace controls, automotive, HVAC, food engineering, and industrial machines and systems.

Rely on MEC Northwest for a full range of engineering services

MEC Northwest has multiple disciplines of engineers available to help in every phase of product design and manufacturing process. Our Design For Manufacturability (DFM) team understands the processes and documentation to engineer a PCB layout for manufacturability. Plus, we offer hardware and software design, component selection, mechanical and test design, and compliance testing.

Customers rely on our engineering excellence for small quantity prototype runs, testing and for accurate sub-assembly work. Whether you need thru-hole, top or bottom side surface mount (SMT) or Ball Grip Array (BGA), our staff is well versed in all aspects of electronic design and assembly.

Supply chain management programs reduce customers' inventory costs

The ability to purchase components through our EDI material ordering programs and manage shipments through Just In Time (JIT) and Kanban stocking programs reduces our customers' inventory dollars and their need for additional inventory storage.

And, our involvement in Kaizen lean manufacturing processes means we're continually focusing on manufacturing processes aimed at improving delivery cycles, controlling production costs and improving our quality.

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ISO 9001:2000



Registered Company

C A P A B I L I T I E S



Agency Approvals

UL
CSA



AGIA

CE (Self-reporting)