

### MEC Midwest

*Located in Milwaukee, WI, MEC Midwest is a client-centric organization focused on its customers' unique product and service needs. The team approach that MEC Midwest follows integrates engineering expertise, lean manufacturing practices, supply chain management and ISO 9000:2000 driven quality assurance. The team takes the time to develop a thorough knowledge of its customers' business and unique needs in order to offer tailored solutions in printed circuit board design and assembly, microprocessor or micro-controller design, hardware and software design services.*

#### **SMT and Thru-Hole Assembly Services**

- Top and bottom side
- Fine pitch
- BGA
- Prototype builds

#### **Testing**

- HP 3070
- Checksum ICT
- MEC custom
- Functional and final test
- X-ray

#### **Special Processes**

- Encapsulation (potting)
- Conformal coating
- Burn-in

#### **Electro-mechanical**

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

#### **Machine Shop**

- Mill, turn, drill
- Sheet metal fabrication
- Screen printing





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

## MEC Midwest

### Cross-functional teams and project management offer quick turnaround and high-quality product

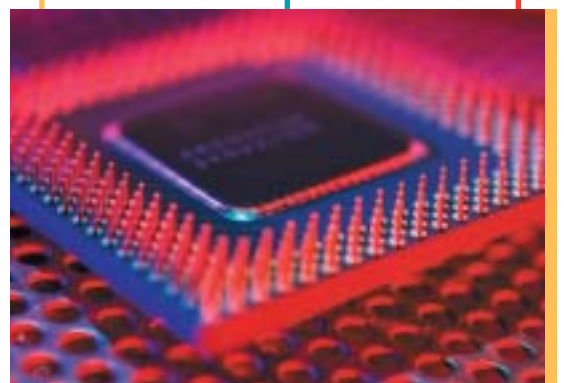
MEC Midwest project management team members are assigned to every customer project ensuring accurate completion dates on prototype, R & D or testing needs as well as providing assistance and coordination of purchasing, design and manufacturing through delivery of final product. The team is experienced in *Build to Order*, *Just In Time (JIT)*, and *Demand Pull* and understands the need to produce exceptional product in a timely manner. With over five decades of electronic assembly experience, customers can feel confident the requirements of every project are clearly defined, manufactured with lean manufacturing practices and delivered on time.

Customers rely on MEC's engineering and manufacturing excellence for both low and high volume quantities, testing and for accurate sub-assembly work. Whether you need thru-hole or top and bottom side SMT, the staff is well versed in all aspects of electronic assembly.

### Experienced engineering design staff assists in design concept, analysis and testing of every product

MEC Midwest has multiple disciplines of engineers available to help in every phase of the product design phase and manufacturing process. Whether there is a need for prototype design, testing, or assembly, our design engineers, project engineers, test engineers, mechanical engineers and circuit board designers are available to help.

Our engineering experience includes engine controls, industrial controls, aviation controls, single-board computers, communications interfaces, motor controls, generator controls, metal detectors and more. Our staff boasts many years of experience in micro-controller hardware and software design and testing, including Design for Manufacturability (DFM) and Design for Test (DFT) in the development cycle, and custom Windows programming.



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ISO 9001:2000



Registered Company

### Agency Approvals

U.S. Navy

CE (Self-reporting)

CSA

UL

AGIA

