



# Capabilities List



World Class Electronics, Inc. is a fully automated electronics contract manufacturer specializing in surface mount and through-hole assembly. Material Control is accomplished utilizing an integrated MRP system supporting turnkey procurement of components to customer supplied AVL and allocation of customer consigned material. Top level integration assembly (box

## Facility:

- 25,000 SQF Facility in Newbury Park, CA, USA
- 500,000 Component Placement capability per shift
- Three Shift capacity
- ESD Controlled Manufacturing

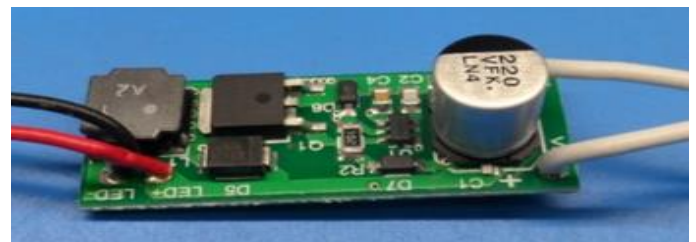
build) services are also offered. Certified manufacturing process and Quality System in accordance with ISO 9001:2008.

*DESIGN FOR MANUFACTURING (DFM)*  
*RAPID PROTOTYPE ASSEMBLY*  
*QUALITY CONTROL*

Our full Service Electronics Manufacturer well known for its high quality, accurate, rapid, flexible and low cost electronics manufacturing. In providing consignment, turnkey and box build manufacturing options, WCE, Inc. specializes in the following services:

## Manufacturing Services:

- Electrical & Mechanical
- Prototype & Production
- Printed Circuit Board Assembly
- Cable & Harness Assembly
- SMT, Thru-Hole, BGA, Press Fit
- Turnkey & Consignment
- Global Order Fulfillment



## ENGINEERING SERVICES

- In-House X-Ray Inspection
- DFM Assistance
- Test & Troubleshooting
- PCB & PWB lay-out
- Conversion of Thru-Hole to SMT

## EQUIPMENT LIST

### A. Solder Paste Printers:

Measures Volume, Height, Area, Bridge, XY position/  
Detects Insufficient Paste, Excessive Paste, Shape  
Deformity, No Paste, Bridges, Paste Displacement/  
Large Print Area: 850mm x 450mm (33.46" x 17.0")/  
speed: 104 cm<sup>2</sup>/sec:

- SJ Innotech HP-850 SPI Unloader/Printer w/3D Post Print Inspection
- MPM Momentum w/2D Post Print Inspection
- Juki GL w/2D Post Print Inspection

### B. Pick and Place:

Machine placement rates to 110,000 CPH/Part sizes from  
0402 metrics (01005 in) to 45mm x 45mm/ PCB size from  
L50mm x W50mm to L700mm x W460mm:

- Yamaha YS24X
- Assembleon MC-5
- Assembleon Opal XII
- Assembleon Topaz
- Assembleon Emerald w/Tray Station



### C. Reflow Ovens: Lead Free Capable

- Juki RS-800II
- ABW Systems 1210
- ABW Systems 1008



### D. BGA and QFN Components:

X-Ray/ Science scope X-Scope 2000/ Real Time  
Imaging/ 750X System Magnification/ 70 Degree  
Sample Tilt/ Extra Large Table Size 22" (X) x 21" (Y)  
and Glenbrook RTX-1138

### E. Solder:

ERSA Wave Solder and Hakko Solder Fountain

### F. PCBA Cleaning:

WestKleen Triton Aqueous Cleaner

### G. PCBA and Component Baking:

Tenney TempGard IV Chamber

H. Testing: ICT and Functional Testing can be  
designed and developed per customer  
requirements and/or customer supplied  
equipment.

## PARTNERS



Hours of operation:

M – F: 8:00 am to 5:00 pm PST

**Your Full Service Electronics Manufacturing  
Partner**

## SOLDER TYPES

1. *SMT*: Leaded/ Lead Free/ Water Soluble/ No Clean and RMA
2. *Wave Solder*: Leaded/ Water Soluble/ No Clean and RMA
3. *Hand Solder*: Leaded/ Lead Free/ Water Soluble/ No Clean/ RMA

### Quality System:

- ISO 9001:2008
- IPC 610, Class 2&3
- ANSI/J-STD-001C
- UL Registered

WCE, Inc. is committed to providing the highest quality in electronics manufacturing through constant attention to detail and continuous quality improvement beginning with the materials used to the end product and the aftermarket care and support.

