



CYPRESS
TECHNOLOGIES
RUGGED RELIABLE MANUFACTURING

PRINTED CIRCUIT BOARD ASSEMBLY SERVICES

SMT PCBA Capability

- Nordson Model YTV-FX - Inline Automated Optical Inspection capable of 2 million checks per hour
- AAT Inline Board Washing
- Juki W510 Dual Head Selective Solder - 0.15 mm repeatability
- Hand Soldering - IPC3 levels
- Ersas Solder Smart Robot
- Glenbrook X-ray inspection - 0 kV, 30 micron resolution
- Air-Vac PCBRM-12 Wave Drag
- Hanwha SM482plus - RoHS Compliant (Lead Free)
- High Temp Functional Burn-in & Delta Testing
- Ersas Versaprint stencil printer with post print AOI
- Heller Ten zone reflow oven AOI

CREATIVE HARDWARE DESIGNERS & BUILDERS

Located in Leander, Texas, Cypress Technologies is an industry leader in electronic contract manufacturing. We operate out of a 35,000 sq. ft facility, focusing on rugged and reliable electromechanical and electronic assemblies, serving a wide customer base.

We are your one-stop shop for electronic manufacturing, offering engineering & design support, custom machining, quality testing, full turnkey box & panel assemblies, Through Hole and SMT PCB assembly, precision conformal coating, Cable & Harness assembly, NPI Prototyping, and Troubleshooting and system repair. Our assemblers are trained to IPC-A-610 Level 3 standards and our box & panel assemblies are QAR & QAN compliant. We are ISO 9001 certified and RoHS compliant.

INVESTING IN THE LATEST TECHNOLOGY

Hanwha SM482 Plus

- 30,000 CPH
- Capable of placing components as small as an 0201 (.02 x .01 in or .6 x .3mm) or as large as 55mm
- 120-8mm feeder capacity
- High Accuracy $\pm 30\mu\text{m}$ @ 3σ /QFP, $\pm 40\mu\text{m}$ @ 3σ /Chip
- Maximum board size of 460x400mm; 0.38-4.2mm board thickness

Ersa Versaprint 2 Elite

- 2D SPI - for sufficient pad coverage
- Under stencil cleaning (wet, dry, and vacuum)
- Paste height control
- Printing accuracy: $\pm 25\mu\text{m}$ @ 6 sigma
- Min. board size of 50 x 50 mm to Max. board size of 680 x 500mm, and 0.5-6mm board thickness

Ersa Solder Smart SR500

- Software controlled temperature, dwell time, and solder feeding
- 500 x 400mm work surface.
- Axis accuracy $\pm 0.02\text{ mm}$
- Complete process monitoring, built-in software



CYPRESS
TECHNOLOGIES
RUGGED RELIABLE MANUFACTURING

Leander, TX • 512.267.9973
www.cypressmfg.com