



A TOTAL SOLUTION
FOR ALL OF YOUR BUSINESS NEEDS

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INTRODUCTION



- AA Technology Inc. was founded 1994 in Bohemia, NY. The original focus was on Printed Circuit Board Manufacturing and Electrical Testing. After years of success in these fields, we began to offer more services like PCB design, PCB Lay-Out, Reverse Engineering and PCB Assembly

BIRDS EYE VIEW



- We moved to our present Ronkonkoma facility in the spring of 2004. This 8,300 sq foot facility was just recently expanded to 16,000 sq feet. We have state of the art automated assembly equipment, much of which is the fastest and most accurate available.

ENGINEERING



- Our Engineering staff serves many different functions.
- Reverse Engineering.
- Computer Aided Design.
- Computer Aided Manufacture.
- Electrical Test Set Up.
- Pick and Place Programming.
- Thru-Hole programming.

ELECTRICAL TESTING



AA Technology Inc. is a military approved testing lab used for testing Mil Spec bare boards by facilities all over the country.

PASTE APPLICATION



- Our Automatic Stencil printers apply paste on the bare boards Using cameras to align to the fiducials on the board they perfectly place paste every time.

STATE OF THE ART SURFACE MOUNT EQUIPMENT



- The Universal Advantis-Lightning, places parts at 30,000 an hour.



- Our 2 multifunction Autotronic MC390V's and 1 MC386V machines give us the versatility to place any part.

SURFACE MOUNT CAPICITY



- Four Surface mount placement machines give us the versatility to run several jobs at once.

REFLOW



- Our 10 Zone Reflow oven allows us to process leaded and unleaded solders.

AUTOMATIC OPTICAL INSPECTION



- After coming out of the Reflow Oven all boards are inspected by our state of the art Automatic Optical Inspection machine for:
- Absence of Parts
- Part number
- Orientation
- Solder joints.
- This ensures that all boards leaving the surface mount area are perfect.

INSPECTION



- We check all BGA's with X-Ray and video to check hidden solder connections.



- Our technicians load programs, and perform functional tests using test fixtures and equipment specified by our customers in conjunction with our engineers. You can be assured that your product is defect free.

THRU-HOLE AUTOMATION



- Our Radial Automatic Insertion machine allows us to insert 23,000 Thru-Hole parts per hour.



- Our Axial Automatic Insertion machine inserts parts at an amazing 26,000 Thru-Hole parts an hour

WAVE SOLDER FLEXABILITY



- Our Leaded Wave Solder Machine gives us conventional soldering capability.



- Our Lead Free Wave solder machine gives us the ability to Process all of your RoHS requirements.

FIXTURES / CLEANING



- Our Minima Driller/Router allows us to create fixtures to speed up our production and lower your bottom line.



- Our state of the art Vapor Degreaser ensures that your product is squeaky clean and ionic free using the most environmentally friendly solvent available.

CONCLUSION

- We consider our customers as our partners and are proud that they depend upon us for their continued success. Our manufacturing experience, engineering capability, high degree of automation and commitment to quality has made us a factor in the assembly environment on Long Island.