



NPD



NPD Technology

AUTOMATED PCB ASSEMBLY

MEXICO

MANUFACTURING CAPABILITIES AND CAPACITY

SMD Placement Capabilities

- 0201 8mm paper tape
- TSOP'S, CSP'S, BGA'S, QFP'S placement capacity
- Gray scale vision system
- Tray module 56mm²
- 194 (8mm) feeder inputs
- Mark fiducial recognition

SMD Placement Capacity

- 30,000 Comp/Hr

Through Hole Assembly Capabilities

- Dip Inserter Machines
- 4 Axial Insertion Machines
- 4 Axiales sequencer Machines
- Manual Assembly
- Wave Soldering

Through Hole Capacity

- 80,000 Comp/Hr



SMT EQUIPMENT AND FACILITIES



QUALITY ACHIEVEMENTS



DELPHI JUAREZ DESIGN CENTER

- Recognition for Technical Support & Quality.
- Approved supplier for short runs and prototypes. (The only one).

DRS Preferred Supplier

Sippican Approved Supplier

QS- 9000 Registration in process.

THROUGH HOLE EQUIPMENT AND FACILITIES



COMPANY PROFILE

NPD technology is a Mexican private company established in Juarez Mexico, with a target market in the Electronic Assembly, Contract Manufacturing Business, the present capabilities include the full range of surface mount components, from chips to BGAs.

We have our own building and installations in the Juarez area and we also have offices in el Paso Texas for your convenience.

Operating under the Maquiladora fiscal scheme.

The functions performed in the company are:

- 1.- Incoming inspection of material (acquired, customer provided, consigned).
- 2.- Custom profiles for SMD solder reflow, and solder paste curing,
- 3.- Conductive flooring, conductive smocks, ESD wrist straps used,
- 4.- Controlled environment (refrigerated),
- 5.- Process engineering available on site,
- 6.- Ability to translate product math data to XY coordinates,
- 7.- Processes run under controlled and fully documented conditions,
- 8.- ESD protection verification on a daily basis,
- 9.- Final Inspection of all products (100% visual inspection).
- 10.- Product design critique for manufacturability and assembly, (continuous improvement),
- 11.- Findings report for each prototype and pilot runs,
- 12.- Ability to document PFMEA, PCP (quality plans), MSA studies (gauge R & R, linearity, stability, bias), statistical process control, SPC charting, statistical, statistical sampling inspection, Capability Studies, PPAP,
- 13.- Familiar and able to apply 6 sigma methodology for process improvement (Define, Measure, Analyze, Improve, Control). DOE full factorial, fractional factorial, response surface DOE techniques.
- 14.- Ability to document incidents in 5 phase, 8D or any custom document for corrective action purposes,
- 15.- Lot traceability.

EXISTING CUSTOMER LIST

- Delphi Design Center
- INJECTOCLEAN
- SIPPICAN INC
- Sherwood Engineering
- FIRST TEXAS Inc
- Scientific Atlanta Inc



COMPANY PROFILE

We have the following disciplines in the company:

- 1.- Process / Manufacturing engineering
- 2.- Manufacturing technicians
- 3.- Quality Control and Quality Engineering
- 4.- Marketing and sales
- 5.- Manufacturing Management
- 6.- Operations Management
- 7.- Purchasing

- 1.- Manufacturing management, more than 12 years in the automatic assembly area with Axial insertion, Radial insertion, surface mount technologies,
- 2.- Quality management, more than 15 years in the automotive, truck industry. We are familiar and can comply with all contracted requirements of ISO 9000 and QS 9000,
- 3.- Door to door JIT delivery in the neighborhood, JIT delivery to any other location,
- 4.- National and international shipment (FOB Mexico, USA),

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