

# VIASYSTEMS JUAREZ

EMS



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## MECHANICAL ASSEMBLY

- » 5 Progressive Conveyor Assembly Lines
- » 2 Digital Torque Analyzer Mountz, 1HIOS
- » 5 Mountz Manual, 30 Sturtevant Manual, 33 (HIOS, AIMCO Electra, Mount)
- » 1EFD Ohesive Dispenser Station
- » AMP/Molex Precision Crimping Tools
- » Mitutoyo Digital Calipers

## METAL FABRICATION EQUIPMENT

- » 1 C-5 Turret, Manual Loader
- » 1 C-5 Express Turret, Auto Load and Unloader
- » 2 E-50 Press Brakes with Manual Back Gages
- » 2 E-50 Press Brakes with Auto Back Gages
- » 2 Spot Welders
- » 1 Pem Engineering Manual Insertion Machine
- » 1 Pem Engineering Auto Insertion Machine
- » 1 10ft Shear
- » Amada Tool Sharpener
- » Precision Extrusion Cutting Saw
- » Stand up Drilling and Tapping Unit

## CORE COMPETENCY

- » Precision Metal Fabrication
- » Backplane Assembly - SMT, through-hole and Press Fit
- » Printed Circuit Board Assembly
- » Chassis Assembly
- » Rack and Sub-rack Assembly
- » Full System Integration and Test
- » Custom Design Services
- » Design for Manufacturing

## KEY DATA

- » 89,000 square feet in Juarez, Mexico
- » 29,000 square feet logistics warehouse in El Paso, TX
- » 1 Double Press-fit Pin Insertion Line
- » 2 Press-fit Connector Lines
- » 2 Large Format Flexible SMT Lines
- » 1 PCBA Line
- » 1 Wave Solder Line Tin Lead / 1 Wave Solder Line Lead Free
- » Electrical Test
- » BGA Rework
- » Audit/Inspection
- » Profiling & Calibration
- » Metal Capabilities:
  - Turret Press - 33 ton
  - Programmable Press Brakes - up to 200 ton
  - CMM and Laser Fabrivision
  - Support Processes (welding (mig and tig), spot welding, stud welding, hardware insertion, tumble deburr and time saver)
- » Electrical Test
- » BGA Rework
- » Audit/Inspection
- » Profiling & Calibration
- » Paint and Plating Validation

## CERTIFICATIONS

- » ISO 9001:2000
- » Bellcore Compliant
- » UL, CSA and ETL Compliant
- » BASC
- » C-TPAT

## BACKPLANE PRESS-FIT

- » 6 ASG AEP-12T Automatic Electronic Connector Presses
- » 1 ASG MEP-6T Semi-Automatic Electronic Connector Press
- » 1 Cambridge Automatic Pem Inserter
- » 1 Pin Cutter
- » 2 Marco Semi-Automatic Pin Insertion Presses
- » 1 ASG Oasis Straightener & Inspection Machine (Large and Normal)



## JUAREZ

### TEST & INSPECTION

- » 3 Hipot Quad Tech Sentry 20 Plus AC/DC
- » Hipot Quad Tech Sentry 30 Plus AC/DC
- » 2 Network Analyzer 875E
- » Keithley Multimeter 2000-2001
- » 3 TTI 3400; 0.100", Grid; 44,000 Test Points
- » 4 Angle Gages
- » 1 Fabrivation
- » TTI 3400; 0.125", Grid; 3,700 Test Points
- » DIT-MCO 2508; 1000 Volt; 0.125" Grid 27,648 Test Points
- » ECT Scorpion HV90
- » Teradyne Spectrum 8800 ICT: 1,280 Test Points
- » Teradyne Optima 7300 AOI
- » HP 3070; Series 3 Tester
- » Quad Tech 1920 Precision LCR Meter
- » ROD-L M100 DC Hi-Pot Tester
- » Yestech AOI YTV2000

### LARGE FORMAT FLEXIBLE LINES

- » Quad AVX500 Automatic Screen Printer, 20" x 23" print area
- » SMT BAM 2444 Screen Printer; 24" x 44" print area
- » Quad QSV1 Pick & Place
- » Quad QSV1 Pick & Place; capable 30" x 48" board size
- » Conceptronic HVNHT155 High Velocity Convection Reflow
- » Conceptronic Profile 117 Reflow; 27" Rail
- » 6 Mantis Vision Systems Scopes
- » Vision Engineering TS4 Stereo Dynascope
- » Vision Engineering LINX Scope

### PCBA PRODUCTION LINES

- » 1 FUJI CPVI
- » 1 Conceptronic HVA102 High Velocity Air Reflow
- » 1 GSM1 Fine Pitch Pick & Place
- » 1 DEK 265 LT

### THROUGH HOLE WAVE SOLDER

- » 2 Technical Devices Nu-Era 24MP; 24" Dual Wave w/ Spray Fluxer
- » Unit Design ABC3500 Board Cleaner; capable 26"x 26"

### REWORK

- » Pace and JBC Desoldering and Soldering Units
- » Glenbrook RT113Q 2 X-Ray
- » 1 Conceptronic Freedom HGR 2000 BGA Repair Station
- » 1 Despatch Oven LAC Series
- » 1 CNC Machine, Anilam 5000m

### AUDIT, PROFILING & CALIBRATION

- » 1 Cyberoptics LSM2000 Solder Paste Inspection
- » 3 Datapaq Thermal Profilers
- » Gage Master 89/GM5 Optical Comparator
- » 1 Aqueous Technologies Ionic Tester; capable 18" x 24"
- » Starret Gage Block
- » Digital Calipers, Micrometers
- » CMM Machine, Sheffield Endeavor + 9.12.7