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## Advanced Electronic Manufacturing Solutions

# AUTOMATED ASSEMBLY EQUIPMENT

### SMT

#### Screen Printers:

Fuji GSP-3  
Programmable Knead Cycle  
Automatic Alignment and Vision Correction  
18" x 14" Max and 80mm x 60 mm Minimum Board Sizes

#### Chip Shooters:

Fuji CP4-3  
160-Feeder Capability

#### Pick and Place Machines:

Fuji IP3  
BGA and  $\mu$ BGA Placement  
QFP, GQFP Placement Accuracy of +/- 0.025mm (1mil)  
Multi Tray and Multi Feeders  
50mm x 80mm to 457 x 356mm Board Sizes

#### Reflow Ovens:

Vitronics SMD-722  
IR Heating – 10 Zones for Top and Bottom Reflow

#### Inspection:

BGA-3500 Series Rework System  
Glenbrook Technologies RTX MINI X-RAY  
Vision Engineering Microscopes

### Plated Through Hole (PTH)

#### Wave Solder Machines:

Electrovert Dual Wave Solder with Chip Wave for Double Sided SMT Assemblies  
Hollis Wave Solder  
Manncorp Lead-Free Wave Solder

#### Axial:

Dynapert UCSM-G Sequencer  
Dynapert Intellisert V12000 Axial Inserter  
60 Stations

#### Radial:

Universal Radial Lead Inserter  
457 X 457mm Table Area  
Board Error Correction  
10,000 inserts per hour

#### DIP Packages:

Universal Multi Mod DIP Inserter  
.300 and .600 Series Packages  
3,600 parts per hour

### Programming and Testing

Full Programming Capabilities for EEPROMS, FPGA, PIC or Microprocessors  
Full Functional Testing and Continuous Support for Customer-Supplied Jigs  
Genrad 228X Stinger In-Circuit Tester (ICT)  
Programmable Power supplies, Voltmeters and Oscilloscopes